

CURRICULUM VITAE
Thomas B. Casale, MD

Thomas B Casale

January 31, 2023

Personal Data

Citizenship Status: U.S.A.

Office Address:

Division of Allergy and Immunology

Department Of Internal Medicine

University Of South Florida

12901 Bruce B Downs Blvd, MDC19, Tampa, FL 33612-4799 (office)

13801 Bruce B Downs Blvd, Suite 505, Tampa, FL 33613 (Clinical research site)

Education

<u>Year</u>	<u>Degree</u>	
1973	B.S. (cum laude)	University of Illinois, Chicago
1973-74	---	Graduate School in Microbiology, University of Illinois Medical School
1974-77	M.D.	The Chicago Medical School
1980-82	---	Graduate School at the National Institutes of Health, Bethesda, MD

Post-Graduate Education

<u>Year</u>	<u>Degree</u>	
1977-80	Resident, Internal Medicine	Baylor College of Medicine Houston, Texas
1980-84	Medical Staff Fellow Bethesda, MD	Laboratory of Clinical Investigation, NIAID, NIH,
1982-83	Chief Medical Staff Fellow Bethesda, MD	Laboratory of Clinical Investigation, NIAID, NIH,

Academic Appointments

2014-Date	Professor	Department Pediatrics, University Of South Florida School Of Medicine
2013 – Date	Professor	Department Internal Medicine, University Of South Florida School Of Medicine
2004 –2013	Professor	Department Medical Microbiology/ Immunol Creighton University, School of Medicine
2004-2007	Asst. Dean of Research	Creighton University School of Medicine
2004-2007	Associate Chair	Department of Medicine, Creighton University School of Medicine
2000-2003	Assistant Chair	Department of Medicine, Creighton University School of Medicine
2000-2007	Director of Clinical Research	Creighton University School of Medicine Omaha, NE
2001-2013	Chief, Allergy/Immunology	Creighton University School of Medicine Omaha, NE
2000-2001	Assoc Chief Allergy/Immunology	Creighton University School of Medicine Omaha, NE
2000-2013	Professor	Department of Medicine, Creighton University School of Medicine
1997-99	Clinical Professor	Department of Medicine, Creighton Univ. School of Medicine, Omaha, NE
1996-	Adjunct Professor	Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE
1994-96	Professor	Dept. Internal Medicine, Univ. Iowa College of Medicine, Iowa City, IA
1993-96	Div Director	Allergy/Immunology Division, Dept. Internal Medicine, Univ. Iowa College of Medicine, Iowa City, IA
1993-96	Faculty, Interdisciplinary Immunology Graduate Degree Program	University of Iowa Graduate College, Iowa City, IA
1992	Acting Director	Allergy/Immunology Division, Dept. Internal Medicine, Univ. Iowa College of Medicine, Iowa City, IA

1989-94	Associate Professor Internal Medicine with Tenure	University of Iowa College of Medicine, Iowa City, IA
1989-92	Assistant Division Director for Teaching	Allergy/Immunology Division, Dept. Internal Medicine, Univ. Iowa College of Medicine
1984-89	Assistant Professor	University of Iowa College of Medicine Dept. Internal Medicine Iowa City, IA

Other Employment Pertaining to Professional Appointments

<u>Year</u>	<u>Position</u>	<u>Institution</u>
1974	Graduate Assistant of Illinois Medical School	Department of Microbiology, University
1980-83	Lt. Commander Bethesda, MD	Commissioned Corps, USPHS,
1983-97	Inactive Reserve	Commissioned Corps, USPHS
1984-96	Attending Physician Medical Service Center,	Veterans Administration Medical Iowa City, Iowa
1986-96	Staff Physician Iowa City, IA	Veterans Administration Medical Center,
1991-96	Clinical Investigator Iowa City, IA	Veterans Administration Medical Center,
1996-99	Director Papillion, NE	Nebraska Medical Research Institute,
1996- 99	Staff Physician Papillion, NE	The Asthma and Allergy Center,
1996- 99	Board of Directors	Clinical Research Network
2008-18	Executive VP	American Academy of Allergy Asthma and Immunology
2019-	Chief Medical Advisor	Food Allergy Research and Education (FARE)

Certification and Licensure

A. Board Certification:

	<u>Date</u>	<u>Number</u>
American Board of Internal Medicine	1980	77244
American Board of Allergy & Immunology	1983	2313

B. Licensure:

<u>State</u>	<u>Date</u>	<u>Perm./Temp.</u>	<u>Number</u>	<u>Renewal Date</u>
Texas	1978	Perm.	F1438	---
Maryland	1983	Perm.	D29277	---
D.C.	1983	Perm.	13947	---
Iowa	1984	Perm.	24407	not active
Nebraska	1996	Perm.	20014	not active
Florida	2014	Perm.	11853	01/31/2022

Clinical Activities: Current Hospital/Staff Privileges:

- | | |
|--------------------------------------|--------------------------|
| 1. James A. Haley Veterans' Hospital | Medical Staff Privileges |
| 2. Tampa General Hospital | Medical Staff Privileges |
| 3. Moffitt Cancer Center | Medical Staff Privileges |

Professional Affiliations (including offices held)

- 1980 **American College of Physicians**, Fellow
- 1982 **American Academy of Allergy, Asthma and Immunology**, Fellow
- Cutaneous Allergy Committee, 1985-1990
 - Postgraduate Education Committee, 1988-1991; Chairman 1989-1990
 - Program Committee, Dermatologic Diseases Section, 1988-1993
 - Editorial Board, Journal of Allergy and Clinical Immunology, 1988-1993
 - Dermatologic Diseases Section, Secretary 1989-1990; Vice-Chairman,
 - Professional Education Council, Member 1989-90, 1993-94; Secretary 1994-1996; Vice-Chair 1996-98; Chair 1998-2000.
 - Fellowship Grants Subcommittee of the Training Program Directors' Committee, 1990-1992
 - Bronchoalveolar Lavage Committee, Chairman 1991-95; Member 1991-97;
 - Conjoint Board Review Committee, Member 1991-1999, Chair 1993-1995
 - Distinguished Lecture Series Subcommittee, 1993-2004
 - Liaison to American Thoracic Society, 1994-1997
 - Abstract Review Committee, Member 1995-2000; Vice-Chair 1996-98, Chair 1998-2000
 - Advisory Committee for Physicians On-line Web Site, 1997-2003
 - Planning Committee; 1998 World Asthma Meeting, Barcelona, Spain, 1997-1998
 - AAAAI Annual Meeting Program Committee, Chair, 1998-2000
 - Assessment of Ozone-Depleting Agents Committee, Member 2000-2001, Vice Chair, 2001-2002 Chair 2002-2004
 - AAAAI Board of Directors 2001-2009: Executive Vice President 2008-; President, 2007-2008; President-Elect, 2006- 2007, Vice President, 2005-2006, Chair, Specialty Development and Relations Subcommittee 2001-2003; Chair, Practice and Policy Subcommittee 2003-2004; Secretary/Treasurer, 2004-2005; Practice and Policy Division Member, 2004-2006; Finance Committee, Member, 2004-2009; Education Division, Member, 2003-2006 Executive Committee, Member, 2004-2008.
 - Immunomodulation Committee Member, 2003-2009
 - Related Industries Committee Member, 2003-2007
 - Needs Assessment Task Force, Vice Chair, 2004-2005, Chair, 2005-2006
 - ERT Oversight Committee Member, 2004-2005
 - Awards, Memorials & Commemorative Lectureships Committee, Member, 2004-2007
 - Joint Lay Organizations Strategic Planning Task Force, AAAAI Co-Chair, 2004-2006
 - Mini-Primer Task Force, Member, 2004-2007
 - World Asthma Meeting Planning Committee, 2004-2006
 - Confederation of Lay Charitable Organizations, Vice-Chair 2005-2007
 - Nominating Committee, Member, 2006-2009 Chair, 2008-2009
 - Immunomodulator Use and Promotion Task Force (IS) Member, 2006-2009
 - Joint Task Force on Quality and Performance Measures , AAAAI Rep, 2007-2009

- Website, Internet and Related Technologies Committee Member
03/01/2011 02/28/2022

- 1982 **American Federation for Medical Research**
- 1982 **American Thoracic Society**
 –Program Committee, Allergy, Immunology, and Inflammation Scientific Assembly, 1987-1993
 –Allergy, Immunology, & Inflammation Scientific Assembly, Secretary 1990-91; Chair-Elect 1991-1993; Chair, 1993-1995
 –Long-Range Planning and Policy Committee, Scientific Assembly on Allergy, Immunology and Inflammation, 1991-1997
 –Scientific Conference Committee, 1991-1993
 –Program Committee for Joint American Thoracic Society and American Academy of Allergy, Asthma & Immunology Asthma Meeting, Asthma '95 Theory to Treatment, 1994-1995.
 –Asthma Advisory Committee, Chair 1995-1998; Member 1995- Present
 –Working Group on Investigative Use of Bronchoscopy and Related Procedures, 1996-1997.
 –Committee on Evaluation and Treatment of Refractory Asthma, 1996-1999
 –Asthma '99 Theory to Treatment Program Committee, 1998-1999
 –Asthma Management in the Primary Care Setting, Program Director, 1996-2000
 – Program Review Subcommittee 2000-01
- 1985 **Iowa Society of Allergy and Immunology**
 –Vice President, 1987-1989
 –President, 1989-1991
- 1986 **American Association of Immunologists**
- 1987 **American College of Allergy, Asthma and Immunology**, Fellow
 –Professional Allergy/Immunology Education Committee, 1989-1997
- 1987-97 **Iowa Thoracic Society**
- 1987 **Central Society for Clinical Research**
- 1989 **American Lung Association**
 –Asthma Technical Advisory Group, American Lung Association, 1989-1995
 –American Lung Association Research Coordinating Committee, 1996-1999
- 1992 **American Society for Clinical Investigation**
- 1995 **European Respiratory Society**
 - Joint ERS/ATS Task Force on Asthma Control and Exacerbation Outcomes, 2004
- 1995 **Association of Subspecialty Professors**
- 1996-00 **American Medical Association**
- 1996- **Nebraska Society of Allergy and Immunology**
- 1999 **World Allergy Organization (WAO)**
 2008-12 Board of Directors
 Awards Committee – Asthma Specialty
 Credentials Committee- Clinical Trials in A/I
 Fund Raising Special Committee
 U.S. Gloria Advisory Committee – Research Council
 Editorial Board, 2008 -
 2010-2011 Scientific & Clinical Issues Council
 2010-2011 Special Committee on Asthma
 2010-2011 Scientific Program Committee, Vice Chair
 2009-2011 Small Airways Diseases Steering Committee
- 2017- European Academy of Allergy and Clinical Immunology
 2019-2020, Task force on biologics for severe asthma
 2020- Advisory Board for the EAACI Research and Outreach Committee

Other Professional Activities (Boards, Editorships, Etc.)

A. American Board of Allergy and Immunology

1999-2007	Director
2001-2002	Secretary
2002-2003	Co-chair Elect
2003-2004	Co-chair
2005-2006	Chair

B. Grant Reviews:

1985	Consultant, Review Panel for Minority Biomedical Grants, National Institutes of Health
1986	Ad Hoc Grant Reviewer for American Lung Association
1986-1996	Ad Hoc Grant Reviewer for Veterans Administration
1989	Ad Hoc Grant Reviewer for National Institutes of Health
1992	United States-Israel Bi-National Science Foundation
1996- 2004	Asthma Clinical Research Network, NHLBI, NIH, Data Safety Monitoring Board
2014	NIH Study Section: Special emphasis panel for review Of Inner city asthma consortium (UM1), April, 2014

C. Journal Reviews:

1982-Pres	Reviewer, <i>Journal of Allergy and Clinical Immunology</i>
1982-Pres	Reviewer, <i>Annals of Allergy, Asthma & Immunology</i>
1985-Pres	Reviewer, <i>American Journal of Respiratory and Critical Care Medicine</i>
1985-Pres	Reviewer, <i>Chest</i>
1987-Pres	Reviewer, <i>Journal of Immunology</i>
1989-2010	Reviewer, <i>Archives of Internal Medicine</i>
1990-Pres	Reviewer, <i>Journal of Clinical Investigation</i>
1995-Pres	Reviewer, <i>Allergy</i>
1995-Pres	Reviewer, <i>Clinical and Experimental Allergy</i>
1998-Pres	Reviewer, <i>Journal of the American Medical Association</i>
2000-Pres	Reviewer, <i>European Respiratory Journal</i>
2005-Pres	Reviewer, <i>New England Journal of Medicine</i>
2004-Pres	Reviewer, <i>Medical Letter</i>
2010-Pres	Reviewer, <i>Journal of Allergy and Clinical Immunology In Practice</i>

D. Editorial Board:

1988-1993	Editorial Board, <i>Journal of Allergy and Clinical Immunology</i>
1996-1999	Editorial Board, <i>Clinical Asthma Reviews</i>
1997- 2003	Editorial Board, <i>Allergy and Clinical Immunology International</i>
1999- 2009	Editor, <i>Respiratory Digest</i>
1999-2006	Editorial Board, <i>Annals of Allergy, Asthma and Immunology</i>
2003- 2014	Editorial Board, <i>Journal of the World Allergy Organization (JWAO)</i>
2004- pres	Editorial Board, <i>Expert Review of Clinical Immunology</i>
2009 -2017	Advisory Board, Allergy Asthma & Immunology Research

2013-2018 Editorial Board, European Respiratory Journal
 2017- Editorial Board, *Journal of Allergy and Clinical Immunology In Practice*

E. Abstract Reviews:

1988-1993 American Thoracic Society Annual Meeting
 1989-1992 American Academy of Allergy, Asthma and Immunology
 1995 Asthma '95 Theory to Treatment, Chicago, Illinois
 1995-2000 American Academy of Allergy, Asthma & Immunology
 Annual Meeting
 1998 World Asthma Meeting, Barcelona, Spain
 1999 Asthma '99 Theory to Treatment, Honolulu, Hawaii
 2011 World Allergy Meeting, Cancun, Mexico

Collegiate, University, University Hospitals, VA Committees

A. Collegiate, University, University Hospitals:

1986 Member, Clinical Practice Advisory Committee, University of Iowa
 1987 Member, Senior Honor Program
 1987-1988 Member, Senior Honor Program, Department of Internal Medicine, University of Iowa
 1988-1996 Member, Continuing Medical Education Committee, Department of Internal Medicine, University of Iowa
 1990-1993 Member, CRC Grant Review Committee, University of Iowa College of Medicine
 1991 Member, Department of Medicine Promotions Committee to Evaluate Associates, Instructors and Assistant Professors, University of Iowa
 1993 Member, Department of Internal Medicine HMO Planning Committee, University of Iowa
 1994-96 Chairman, Latex Allergy Committee, University of Iowa Hospitals
 1994-96 Member, Univ of Iowa Ad Hoc Committee on Clinical Research
 1995-96 Member, Univ of Iowa Ad Hoc Committee to review university policies and procedures related to human subjects research
 2002 Member, Creighton University Research Compliance Committee
 2002 Member, Creighton University Research Design Team
 2000-2002 Member, Creighton University Research Advisory Council
 2003-06 Member, Creighton Univ. Biomedical Research Advisory Committee
 2003-04 Member, Presidential Task Force for Promoting Clinical Research, Creighton University
 2004-05 Co-Chair, School of Medicine, Research Task Force
 2007-2009 Research task force, Dept of Medicine, Creighton University
 2019- Research Task force, USF College of Medicine

B. Veterans Administration:

1991-1994 Research and Development Committee, VA Medical Center, Iowa City, IA

Honors and Awards

1973		Phi Kappa Phi
1977		Dr. John J. Sheinin Research Award, Chicago Medical School
1981		Travel Grant Recipient, American Academy of Allergy and Immunology
1982		Chief Medical Staff Fellow, LCI, NIAID, NIH
1984		Travel Grant Recipient, American College of Allergy
1985		Travel Grant Recipient, International Congress of Allergology and Clinical Immunology, Washington D.C.
1988		International Travel Grant Recipient, International Congress of Allergology and Clinical Immunology, Montreux, Switzerland
1991-96		Clinical Investigator Award, Veterans Administration
1992		American Society for Clinical Investigation
1996-Pres		Named to "Who's Who in Medicine and Health"
1996-Pres		Named to "The Best Doctors In America"
2000		Pfizer Visiting Professorship in Allergic Diseases
	and	Asthma
2001		Creighton Univ School of Medicine- Distinguished Research Career Award
2004		John C. Selner Lecture Award, Colorado Allergy Society, The Given Institute
2004		Beta Chapter, Alpha Omega Alpha Honor Medical Society, member
2004		Jaros Memorial Lecturer, American College of Allergy, Asthma & Immunology (11/13/04)
2009		The Monroe Coleman Memorial Lecture, New England Society of Allergy October 25, 2009.
2010		R Jerry Dolovich MD, Memorial Lectureship, 27 th Annual Symposium Allergy Update 2010 - Toronto, Ontario April 17, 2010.
2010		Andrew Grant, MD, Honorary Lectureship, May 1, 2010.
2011		Gail G. Shapiro Memorial Lecture, 2011 Northwest Allergy Forum, October 22, 2011, Portland OR.
2011		Ira Finegold Lectureship, American College of Allergy Asthma & Immunology, November 5, 2011, Boston, MA.
2011		World Allergy Organization Board of Directors Service Award, December 2011
2011		World Allergy Organization Vice Chair, Scientific Program Committee Award, December 2011.
2012		Harold Kaiser Lectureship. Minneapolis, MN Mar 16, 2012,
2014		ARTrust and Stephen D Lockey Lectureship, AAAAI, San Diego, CA, March 2014
2014		Betty Wray Lectureship. Georgia Allergy and

	Immunology Annual Society Meeting. Atlanta, Georgia, April 2014
2015	Carolyn and Warren Richards Allergy Lectureship, Children's Hospital, Los Angeles, CA, April 3, 2015
2016	Harold S Nelson Lectureship 2016 American Academy of Allergy Asthma & Immunology Annual meeting, Los Angeles, CA
2016	Distinguished Service Award, American Academy of Allergy Asthma & Immunology
2019	Andrew Grant, MD distinguished Lecture, TAAIS

Masters' and Ph.D. Theses Directed and Postdoctoral Fellows Supervised

- Jesse Joad, M.D., Pediatric Allergy-Immunology Fellow. Directly supervised research efforts as a recipient of an NIH Immunology Training Grant, 1985-86. Currently an Associate Professor of Pediatrics at University of California at Davis.
- Marta Little, M.D., Allergy-Immunology Fellow. Directly supervised research efforts as a recipient of NIH and American Lung Association Training Grants, 1985-90. Currently a Clinical Assistant Professor of Medicine at University of Iowa.
- Robert M. Smith, M.D., Allergy-Immunology Fellow. Directly supervised research studies from 1987-88. Currently in private practice in Sioux Falls, SD.
- Scott Trapp, D.D.S. Directly supervised research efforts as undergraduate and dental student at University of Iowa from 1985-90.
- Diana Cavanah, M.D., Allergy-Immunology Fellow. Directly supervised research efforts from 1989-91. Currently in private practice in Bowling Green, KY.
- Stephen Smart, M.D., Allergy-Immunology Fellow. Directly supervised research efforts as recipient of an NIH Immunology Training Grant and Allen & Hansburys Respiratory Institute Allergy Fellowship Training Grant Award, 1991-93. Currently in private practice in Peoria, Illinois.
- David Bittleman, M.D., Allergy-Immunology Fellow. Directly supervised research efforts from 1992-94 as recipient of an NIH Cardiovascular Research Training Award. Currently in private practice in Cedar Rapids, Iowa.
- Francisco G. Peralta, M.D., Allergy-Immunology Fellow. Directly supervised research efforts from 1994-1996. Currently in private practice in Fort Dodge, IA.
- Rajendra A. Chiplunkar, B.S. Bioengineering Graduate Student. Supervised research efforts, 1994-97. Victoria M. Steelman, R.N., M.A., Ph.D. Candidate in Nursing. Supervised research efforts, 1995-1997.
- Lary Ciesemier, D.O., Allergy/Immunology Fellow; Directly supervised research efforts from 2000-2002. Currently a faculty member at Kirksville College of Osteopathic Medicine.
- Jehad H. Edwan, M.S., Candidate in Department of Medical Microbiology/Immunology. Served on Thesis/Research Committee.
- D. Todd Griffith, M.D., Allergy/Immunology Fellow; Directly supervised research efforts from 2001-2003. Currently in private practice in Brandon, Florida.
- Kevin M. Boesel, M.D., Allergy/Immunology Fellow; Directly supervised research efforts from 2001-2003. Currently in private practice in Glendale, Arizona.
- Henry Lin, M.D., Allergy/Immunology Fellow; Directly supervised research efforts from 2001-2003.
- Christopher Clark, M.D., Allergy/Immunology Fellow; Directly supervised research efforts from 2002-2003. Currently in private practice in Gallipolis, Ohio.
- Dean Chiang, M.D., Allergy/Immunology Fellow; Directly supervised research efforts from 2003-2005.

Justin Clark, D.O., Allergy/Immunology Fellow; Directly supervised research efforts from 2003-2005.

Kevin Parks, M.D., Allergy/Immunology Fellow; Overview of research efforts from 2004-2006.

Abdo Berro, Ph.D., Directly supervised post-doctoral research efforts 2005 - 2011.

Daniel Waggoner, M.D., Allergy/Immunology Fellow; Overview of research efforts 2005-2007.

Manav Segal, MD, Allergy/Immunology Fellow; Overview of research efforts from 2006-2008.

Priya Warriar, M.D., Allergy/Immunology Fellow; Overview of research efforts from 2007-2009.

Bina Patel, M.D., Allergy/Immunology Fellow, Overview of research efforts from 2007-2008.

Manbir Sandhu, M.D. Allergy/Immunology Fellow; Overview of research efforts from 2008-2010.

Vesselin Dimov, M.D. Allergy/Immunology Fellow; Overview of research efforts from 2008-2010.

Tran Hoai Nguyen, M.D. Allergy/Immunology Fellow; Overview of research efforts from 2009-2011.

Petra Jonsson-Razdan, M.D. Allergy/Immunology Fellow; Overview of research efforts from 2010-2012.

Ningzi Zhu, MD Allergy/Immunology Fellow; Overview of research efforts from 2011-2013

Harold DelasAlas, MD, PharmD, Allergy Fellow; Overview of research efforts from 2011-2013.

Christina Cruz, MD, Allergy Fellow: Overview of research efforts from 2012-2014.

Farnaz Tabatabaian, M.D., Allergy/Immunology Fellow University of South Florida, 2014 - 2016

Adeeb Bulki, M.D., Allergy/Immunology Fellow University of South Florida, 2014 – 2016

Amber Pepper, MD, Allergy/Immunology Fellow University of South Florida, 2016 –2018

Current Research Projects

- A . Role of mast cell mediators in the pathophysiology of allergic asthma and lung inflammation.
- B. The role of cigarette smoke in the pathogenesis of airway hyperresponsiveness in asthma and COPD
- C. Novel therapies of allergic and respiratory diseases
- D. The role of RGS2 in airway hyperresponsiveness and asthma and COPD
- E. Effects of e-cigarettes on airway parameters

Research Personnel Currently Supervised

Michelle Twitmeter, BS	Clinical Research Coordinator
Tiffani Kage, BS	Clinical Research Coordinator
Catherine Renee Smith, CMA, CCRC	Clinical Research Coordinator

Financial Support

A. Federal

	<u>Title</u>	<u>Period</u>	<u>Amount</u>
1.	VA Merit Review: "Lung Beta and Muscarinic Receptors and IgE-Mediated Pulmonary Responses"	4/01/86-3/31/89	\$176,500
2.	NIH Specialized Center of Research (NHLBI): "Occupational and Immuno-	12/01/86-11/30/91	\$ 85,000

logic Lung Disease"
Principal Investigator: Gary W.
Hunninghake. Dr. Casale is a
Co-Investigator on 1 subproject.

- | | | | |
|-----|--|-----------------------|--------------|
| 3. | NIH Asthma and Allergic Disease Centers Grant (NIAID): "Immunologic Mechanisms in Atopic Bronchial Asthma" Dr. Casale is Principal Investigator on 1 subproject, "Effects of Mast Cell Mediators and Drugs on Lung Receptors", and is a Co-Investigator on 2 other subprojects. Support listed is for Dr. Casale only. The total grant support is for \$305,000/year | 9/01/87-
8/31/90 | \$195,000 |
| 4. | NIH Immunology Training Grant for Dr. Marta Little's salary to work in Dr. Casale's laboratory. | 7/01/87-
6/30/89 | \$ 26,000/yr |
| 5. | VA Merit Review: "Neutrophil and Eosinophil Migration in Asthma" | 4/01/89-
9/30/92 | \$261,000 |
| 6. | NIEHS Environmental Health Science Core Center Grant. Program Director: James A. Merchant, M.D. Dr. Casale is Director of Immunology Facility. Support listed for salary (5% effort) and supplies for Dr. Casale. | 12/01/90-
3/31/96 | \$237,000 |
| 7. | VA Clinical Investigator Award: "Neutrophil and Eosinophil Migration in Asthma" | 7/01/91-
6/30/96 | \$535,000 |
| 8. | NIEHS Environmental Health Science Core Center Grant: "Cytokine-Induced Neutrophil and Eosinophil Migration In Environmentally-Induced Lung Diseases" | 2/01/92-
8/31/92 | \$ 10,000 |
| 9. | VA Merit Review: "Neutrophil and Eosinophil Migration in Asthma" | 10/01/92-
9/30/96 | \$375,000 |
| 10. | NIH Immunology Training Grant for Dr. Stephen Smart salary to work in Dr. Casale's laboratory | 7/01/92-
6/30/93 | \$ 28,000 |
| 11. | NIH Cardiovascular Training Grant for Dr. David Bittleman salary to work in Dr. Casale's laboratory | 01/01/93-
01/01/94 | \$ 28,000 |
| 12. | NIEHS ES05605: "Assessment of Dynamic Airway Responses in Asthma" [Pilot Grant from Environmental Health Sciences Research | 04/01/94
03/31/95 | \$10,000 |

Center, Prog. Dir: J.A. Merchant]			
13.	CDC: "Identify the Relationship Between Exposures and Health Concerns in Persian Gulf War Veterans"	12/01/94-11/30/95	\$ 7,157
14.	NIEHS: Environmental Health Science Core Center Grant. Program Director: James A. Merchant, M.D., Dr. Casale is an Investigator. Support listed is for entire program per year.	04/01/96-03/31/01	\$791,000
15.	NIEHS ES05605: "Prevalence and Risk Factors of Adverse Reactions to Products Containing Natural Rubber Among Nursing Staff" [Pilot Grant from Environmental Health Sciences Research Center, Prog. Dir: J.A. Merchant]	4/1/96-3/31/97	\$ 15,000
16.	NIH #1RO1HL70885-01 - "Flt3-Ligand", Immunomodulation and Therapy in Asthma" (T.B. Casale, M.D. sub-investigator)	12/1/03-11/30/08	\$1,150,000
17.	NIH;NIAID: Immune Tolerance Network : "Allergen Immunotherapy Co-Administered with Anti-IgE mAb (E25). (T.B. Casale, M.D. Principal Investigator)	1/1/03-6/30/05	\$1,500,000
18.	NIH/NHLBI: "Probiotic prophylaxis of Ventilator Associated Pneumonia". Lee Morrow, M.D. K08 Award; T.B. Casale is mentor at 5%	10/01/05-09/30/10	\$ 126,427/yr
19.	NIH/NHLBI: 1 R01 HL116849-01A1 Principal Investigator: Tu, Yaping Casale T(SI) : "Dysregulation of RGS2 Protein and Airway Hyperresponsiveness in Asthma" (T.B. Casale, M.D. is a co-investigator)	07/01/2013-06/30/2017	
20.	PCORI: Elliott Israel, PI, Casale TB investigator and member of steering committee; PREPARE – <u>Pe</u> Rson <u>Em</u> Powered <u>A</u> sthma <u>Re</u> lief.	2016-22	
21.	NIH;NIAID: Immune Tolerance Network : Covid-19-004 Systemic Allergic Reactions To Sars-Cov-2 Vaccination (T.B. Casale, M.D. site Principal Investigator)	2021-date	

Financial Support

B. Foundation / State Grants

Title

- | | | | |
|-----|--|-------------------------|-------------|
| 1. | Health Future Foundation Grant:
"Clinical Trials Office Development" | 07/01/00 -
06/30/06 | \$1,323,000 |
| 2. | Health Future Foundation Grant:
"Development of Clinical Trials Office" | 07/01/01-
06/30/02 | \$ 10,000 |
| 3. | Development of Allergic Airway Disease
Center, LB692 06/30/02 | 09/01/01- | \$ 20,000 |
| 4. | Development of Center Of Immunomodulation
Of Inflammatory Diseases, LB692 | 07/15/03-
06/30/06 | \$ 20,000 |
| 5. | Dyspnea and Obesity in African-American Females.
LB692. | 12/05-06/07 | \$ 36,000 |
| 6. | Neo-Natal Smoke and Nicotine Exposure In the
Development of Asthma in a Murine Model.
LB595 | 07/06-07/09 | \$240,000 |
| 7. | State of Nebraska LB-692: Relationship of RGS2
expression and airway hyperresponsiveness. | 03/09 – 06/10 | \$ 50,000 |
| 8. | Health Future Foundation Grant: Effects of PPAR γ
Agonist Rosiglitazone on Airway Hyperactivity.
\$25,000 | 10/01/2008 – 05/01/2010 | |
| 9. | State of Nebraska LB-595 – RGS2 expression and
airway hyperresponsiveness in smokers | 07/11 – 06/13 | |
| 10. | 2011 American Asthma Foundation (AAF) Early
Excellence Award: Regulator of G protein signaling
Proteins: Targets for treatment of Asthma. (T. Casale
Sub-I) | 07/11 – 06/14 | |
| 11. | American Academy of Allergy, Asthma and Immunology (AAAAI) Examination
of ASTHMA IQ to improve Practice Outcomes in a Primary Care Setting
(T.Casale P.I.) | 2012 – 2015 | |
| 12. | American Lung Association Airways Clinical Research Center (T Casale, PI) | 2016- | |
| 13. | Florida Department of Health- University of South Florida Integrated Clinical Trial
Network Structuring and Enhancement for Execution of Zika Virus Vaccine and
Diagnostic Clinical Trials, and testing of other Emerging Infectious Disease (EID)
Solutions for Florida (T Casale, PI) | 2017-2019 | |

C. Non-Federal (Dr. Casale is Principal Investigator unless indicated)

1. Carter Wallace Company: "The Mechanism of Action of Azelastine" 4/86-7/88
2. Fisons Corporation: "A Multicenter Double Blind Group Comparative Study of the Efficacy and Safety of Nedocromil Sodium 2% Ophthalmic Solution in the Treatment of Ragweed Seasonal Allergic Conjunctivitis" Dr. Casale is Co-Principal Investigator 7/87-6/88
3. Fisons Corporation: "Effects of Nedocromil on Neutrophil and Eosinophil Migration in Asthma" 3/89-6/96
4. Merrell Dow Research Institute: (Protocol 048-147) "A Double Blind Randomized Parallel Study Comparing the Safety and Efficacy of Terfenadine 60mg BID, Astemizole 10mg QD and Placebo in the Treatment of Seasonal Allergic Rhinitis in an "In The Park" Setting. 8/89-7/90
5. Fisons Corporation: (Protocol 88-49) "A Multicenter Double Blind Placebo Controlled Group Comparative Study of the Efficacy, Safety and Onset of Action of Nedocromil Sodium (1% Nasal Solution, QID) in the Treatment of Ragweed Seasonal Allergic Rhinitis" 8/89-7/90
6. Fisons Corporation: (Protocol 1601-2134) "A Double Blind Placebo Controlled Group Comparative Study of the Onset of Action of Nedocromil Sodium (1% Nasal Solution QID), vs. Placebo in the Treatment of Ragweed Seasonal Allergic Rhinitis" 7/90-6/91
7. Fisons Corporation: (Protocol 1120-2116) "A Multicenter Double Blind Placebo Controlled Group Comparative Study of the Safety and Onset of Action of 4% Cromolyn Sodium Nasal Solution, (QID) in the Treatment of Ragweed Seasonal Allergic Rhinitis" 7/90-7/91
8. DeVilbiss Health Care: "Validation of Histamine" Principal Investigator: David Schwartz, M.D. 7/90-7/91
9. Fisons Corporation: (Protocol 1901-2204) "A Dose Ranging Multicenter Double Blind Placebo Controlled Group Comparative Study of Tipredane Nasal Spray in Seasonal Allergic Rhinitis Caused by Ragweed Pollen" 7/91-9/92
10. ICI Pharmaceuticals Group: (Protocol 9188 US0011:0001) "The Effectiveness and Safety of Oral ICI 204,219 in the Treatment of Acute Seasonal Allergic Rhinitis: A Dose Ranging Study" 7/91-9/92
11. ICI Pharmaceuticals Group: (Protocol 9188 IL/0020:0017) Multicenter Double Blind Efficacy Study to Compare the Steroid-Sparing Effect of ICI 204,219 With Placebo Given Over Six Weeks to Patients with Asthma" 7/92-6/93
12. Fisons Corporation: (Protocol 1901-2348) "A Dose Ranging Multicenter Double Blind Placebo Controlled Group Comparative Study of Tipredane Nasal Spray in Seasonal Allergic Rhinitis Caused by Ragweed Pollen" 7/92-6/93

13. Janssen Research Foundation: (Protocol AST/D – USA-27-13) “A Multicenter Placebo Controlled Study to Compare the Efficacy and Safety of Histamanal\ -D and Seldane-D\ in the Treatment of Seasonal Allergic Rhinitis” 7/92-6/93
14. ICI Pharmaceuticals Group: (Protocol 9188IL/0029:0005) “A Multicenter Double Blind Placebo Controlled Trial of Accolate (ICI 204,219) in Mild to Moderate Asthmatic Patients Needing Chronic Treatment: 13 Weeks Efficacy and Up to Two Year Open Label Safety Extension” 2/93- 8/95
15. Merck & Co., Inc.: (Protocol 017-00) “ A Single Center Double Blind Randomized, Parallel-Group Study Comparing the Clinical Effect of Two Oral Doses of MK-0467 to Loratadine and Placebo in Patients with Allergic Rhinitis. 7/93-12/93
16. Abbott Laboratories: (Protocol M92-785) “Phase III Study of the Effects of Zileuton vs. Placebo in Bronchial Hyperresponsivity in Asthma Patients” 7/93-9/94
17. Rhone-Poulenc Rorer Pharmaceuticals: (Protocol RG5029-605) “Nasacort Once Daily vs. Beconase AQ Twice Daily in Patients with Perennial Allergic Rhinitis” 7/93-12/94
18. Genentech Inc. (Protocol Q0624g). “A Phase II Prophylactic Study to Determine the Safety and Efficacy of Anti-IgE Recombinant Humanized Monoclonal Antibody E-25(rhuMAbE-25) in Adults with a History of Seasonal Ragweed-Induced Allergic Rhinitis 7/94-6/95
19. Glaxo Inc. (Protocol SLGA 5005/5006). “A Double Blind Parallel Group Evaluation of the Efficacy and Quality of Life Outcomes of Salmeterol vs. Placebo in Asthma Subjects” 7/94-6/95
20. Astra USA. (Protocol 05-3038). “A Double-Blind Comparison of Four Doses of Rhinocort Aqua Pump Spray (Budesonide) and Placebo in the Treatment of Adults and Children with Seasonal Allergic Rhinitis” 8/94-7/95
21. Dey Laboratories. (Protocol 16578 {Award DL-003}). “Beclomethasone Nasal Spray Therapeutic Equivalency Study” 7/94-6/95
22. Fisons Corporation (Protocol CR2508) “A Multicenter, Randomized Double Blind Placebo Controlled, Parallel Study of the Efficacy and Safety of Chlorofluorocarbon (CFC) and Non-CFC Formulations of Intal (Cromolyn Sodium (MDI 2mg QID) in the Treatment of Asthma in Patients 12 Years and Older Using PRN β 2-Agonists Administered by MDI” 12/94-3/96
23. Fisons Corporation (Protocol CR2505) “An Open Label, Multicenter Study of the Safety of Non-CFC INTAL (Cromolyn Sodium) Metered Dose Inhaler (MDI) 2mg QID in the Treatment of Asthma in Patients 12 Years and Older. 10/95-12/99
24. Sanofi Research (Protocol DFI 2588) “A Multicenter, Double Blind Placebo-Controlled Dose Ranging Study to Assess and Compare the Activity of an Oral Administration of SR27417A-2.5, 10 and 30mg Once a Day During 12 Weeks-in Moderate Asthmatic Patients. 11/95-3/96
25. Astra, U.S.A. Inc.(Protocol SD-004-0009) “A Double Blind Randomized Placebo Controlled Study to Determine the Efficacy, Maintenance Effect, and Safety 200 μ g and 400 μ g Pulmicort Turbuhaler Given Once Daily to Adults with Mild to Moderate Asthma 4/95-3/96

26. ImmuLogic Pharmaceutical Corp. (Protocol P95-01) "A Safety and Efficacy Study of ALLERVAX RAGWEED Using a Seasonal Model" 5/95-11/95
27. Zeneca Pharmaceuticals, Protocol (9188IL/0124) "A Randomized, Double Blind, Parallel Group Trial to Compare the Safety and Effectiveness of Zafirlukast (ACCOLATE™), vs. Loratadine vs. Placebo in Subjects with Seasonal Allergic Rhinitis: A Day in the Park Trial" 7/95-6/96
28. Glaxo, Inc. Protocol (SLGA-5014) "A Randomized, Double Blind Placebo Controlled Parallel Group Evaluation of the Effect of Salmeterol on Methacholine Induced Bronchial Hyperresponsiveness Over Twenty-Four Weeks in Adolescents and Adults with Asthma" Dr. Casale is Co-Principle Investigator. 8/95-7/96
29. Glaxo Wellcome, Protocol (SALA 3002) "A Randomized, Double Blind Parallel Group 12-Week Study to Evaluate the Safety and Efficacy of Switching From Albuterol 200 µg (180µg Ex-Actuator) in CFC Propellant 11 and 12 Administered QID to Albuterol 200 µg (180µg Ex-Actuator) in GR 106642X Propellant Administered QID and to Albuterol 200µg (180µg Ex-Actuator) in GR106642X Propellant Administered as Needed in Adolescent and Adult Subjects with Asthma" 7/96-6/97
30. Glaxo Wellcome, Protocol (SFCA3003) "A Randomized Double Blind Parallel Group Trial Evaluating Safety and Efficacy of Salmeterol 50mcg BID and Fluticasone Propionate 250mcg BID Individually and in Combination with Placebo in Subjects with Asthma. 7/96-6-97
31. Glaxo Wellcome, Protocol (FLTA4023) "A Double Blind Placebo Controlled Study to Compare the Effects of Inhaled Fluticasone Propionate (100mcg BID or 250mcg BID), Triamcinolone Acetonide (200mcg QID or 400mcg BID) Via the Metered Dose Inhaler and Oral Prednisone 10mgQD on the HPA Axis" 8/96-7/97
32. Dura, Protocol (DDPOAS-III-01-0694) "A Double Blind Randomized Placebo Controlled, Parallel Group, Multi-Dose, Multicenter, 12 week Safety and Efficacy Study of Albuterol Sulfate Dry Powder Inhaler and Albuterol Metered-Dose Inhaler in Asthmatics" 5/96-4/97
33. ImmuLogic, Protocol (P96-01) "An Exploratory and Safety Study of ALLERVAX® Ragweed Peptides Using a Seasonal Model" 6/96-12/96
34. SmithKline Beecham, Protocol (SB205312/080), " A Double Blind Double Dummy, Placebo-Controlled, Randomized Parallel-Group Study to Examine the Effects of Oral SB205312 300mg BID in Patients with Asthma and Concomitant Seasonal Allergic Rhinitis – a Comparison to Patients Taking Inhaled Vanceril 168mcg BID and as Required Nasal Rescue Medication" Dr. Casale is Co-P I 6/96-5-97
35. Genentech, Inc. Protocol (Q0694g), " A Phase II Multicenter Double Blind Placebo Controlled Study to Evaluate the Safety and Efficacy of Anti- IgE Recombinant Humanized Monoclonal Antibody (rhuMAb-E25) in Subjects with Moderate to Severe Allergic Asthma. 3/96-12/97
36. Dey Laboratories Protocol (DL-019), "A Multicenter Randomized Double Blind Placebo Controlled Parallel Group Study of the Safety and Efficacy of a Low Dose Albuterol Sulfate Inhalation Solution for Pediatric Subjects with Asthma" 8/96-7/97

37. Bayer Protocol (D96-024), "Prospective Randomized Double Blind Comparison of the Safety and Efficacy of BAY 12-8039 400mg PO QD for 7 Days vs. Cefuroxime Axetil 250mg BID for 10 Days for the Treatment of Patients with Acute Bacterial Maxillary Sinusitis" 11/96-10/98
38. Bayer Protocol (D96-025), "Prospective, Uncontrolled, Non-Blind, Multicenter Clinical Trial of the Safety and Efficacy of BAY 12-8039 400mg PO QD in the Treatment of Patients with Community Acquired Pneumonia" 11/96-10/98
39. Bayer Protocol (D96-027), "Prospective, Randomized Double Blind Comparison of the Safety and Efficacy of BAY 12-8039 400mg QD x 10 Days vs. 400mg QD x 5 Days vs. Clarithromycin 500 BID x 10 Days for the Treatment of Patients with Acute Exacerbations of Chronic Bronchitis" 11/96-10/98
40. Hoechst Marion Roussel Protocol (PJPR0067) "A Multicenter Double Blind Randomized Placebo Controlled Parallel Study Comparing the Efficacy and Safety of Four Dosage Strengths of Fexofenadine HCL (20, 60, 120 & 240mg BID) in the Treatment of Chronic Idiopathic Urticaria" 11/96 – 10/97.
41. SmithKline Beecham Protocol (205312/070) "A Multicenter Double Blind Placebo Controlled Parallel Group Study to Evaluate the Safety and Efficacy of Two Doses of SB 205312 Administered as an Oral Suspension (75mg BID and 150mg BID) for 12 Weeks in Pediatric Out-Patients with Asthma. 10/96-9/97
42. Astra USA (Protocol SD-004-0111) "START – Inhaled Steroid Treatment As Regular Therapy in Early Asthma"; A Study of the Effect of Early Intervention with Long-Term Inhaled Budesonide (Pulmicort Turbuhaler) in Newly Diagnosed Asthma 10/96-10/00
43. Dura Protocol (DDPIAS-III-02-0995) "An Open Label, Multicenter, 12-Month Safety Study of Spiros Dry Powder Inhaled (Albuterol Sulfate) in Asthmatics" 10/96-4/98
44. Glaxo Wellcome Protocol (SLGA5021) "A Randomized Double Blind Clinical Trial Comparing the Efficacy and Safety of Salmeterol Xinafoate 42mcg BID Plus Fluticasone Propionate 88mcg BID vs. Fluticasone Propionate 220mcg BID Alone in Subjects with Asthma Not Well Controlled on Fluticasone Propionate 88mcg BID" 10/96-9/97
45. Schering-Plough Protocol (C96-252-02) "Efficacy and Safety of Mometasone Furoate Nasal Spray in the Prevention of Recurrences of Sinusitis" 1/97-6/98
46. Schering-Plough Protocol (C96-367-02) "Claritin-D 12 Hour and Guaifenesin (600mg BID) Alone in Combination with Seasonal Allergic Rhinitis and Cough" 4/97-10/97
47. Abbott Laboratories Protocol (M95-337) "Phase III Study of the Efficacy of Zileuton 1200mg BID Controlled-Release (CR), and 600mg QIS, Immediate Release, and Placebo in Patients with Moderate Asthma" 10/96-9/97
48. Zeneca Pharmaceuticals Protocol (9188IL/0139) "A Dose Ranging Safety, and Efficacy Trial with Zafirlukast (ACCOLATE™) in the Treatment of Pediatric Subjects with Mild to Moderate Asthma" 2/97-2/98
49. Sepracor, Inc. Protocol (110-007) "The Evaluation of Three Different Doses of Norastemizole (5mg, 20mg, 62.5 mg) and Placebo Using a Two Day Outdoor Allergen Challenge Model" 4/97-6/97

50. Novartis Protocol (HSC-306) "A One Day Multicenter Randomized Double Blind Double Dummy, Placebo Controlled, Parallel Group Study to Assess the Efficacy and Safety of Clemastine Triple Combination (CTC), TheraFlu Sinus and Placebo in the Treatment of Seasonal Allergic Rhinitis" 9/97-
51. Boehringer Ingelheim Pharmaceuticals Inc. Protocol (244.2475) "Randomized Double Blind Parallel, Placebo Controlled Multicenter Trial of ATROVENT Nasal Spray 0.06% (84 mcg/nostril administered QID) in Patients with Seasonal Allergic Rhinitis That Are Sensitive to Ragweed Pollen" 8/97-9/97
52. Hoechst Marion Roussel, Inc. Protocol (M016455B/3081) "A Double Blind Randomized Placebo Controlled Parallel Study Comparing the Efficacy and Safety of Fexofenadine HCl 120mg and 180 mg QD in the Treatment of Autumn Seasonal Allergic Rhinitis" 8/97-11/97
53. Hoechst Marion Roussel, Inc. Protocol (PJR0077) "A Double Blind Randomized Placebo-Controlled Parallel Study Comparing the Efficacy and Safety of Three Dosage Strengths of Fexofenadine HCl (15,30 and 60mg BID) in Pediatric Patients (Ages 6 to 11 Years) in the Treatment of Seasonal Allergic Rhinitis" 8/97-11/97
54. Novartis Protocol (rhuMAb-E25 01 006) "A Phase IIb Randomized Double Blind Placebo Controlled Multiple Dose (Subcutaneous administrations of 50mg, 150mg or 300mg), Multicenter Dose Ranging Trial to Assess the Efficacy, Safety, Tolerability, Pharmacokinetics and Biological Effect of Anti-IgE Recombinant Humanized Monoclonal Antibody-E25 (rhuMAb-E25) vs. Placebo for Symptom Prevention in Patients with Ragweed Induced Seasonal Allergic Rhinitis" 6/97-2/98
55. Merck and Company, Inc. Protocol (070-00/SNG 421) "A Randomized Double Blind Placebo Controlled Multicenter Study Evaluating the Effect of Montelukast Sodium Compared to Inhaled Beclomethasone Dipropionate in Adult Asthmatics". 8/97 – 3/98
56. Glaxo Wellcome Protocol (FLTA4008) "Double Blind Double Dummy, Randomized, Placebo-Controlled, Parallel Group Comparison of Fluticasone Propionate Aqueous Nasal Spray and Triamcinolone Acetonide Aqueous Nasal Spray in Subjects with Seasonal Allergic Rhinitis" 8/97-11/97
57. Glaxo Wellcome Protocol (SLGA5024) "A Randomized Double Blind Parallel Group Comparison of Inhaled Salmeterol Xinafoate (42mcg BID) with Oral Zafirlukast (20mg BID) in Subjects with Mild to Moderate Asthma" 9/97-12/97
58. ViroPharma Protocol (843-013) "A Double Blind, Placebo Controlled Exploratory Evaluation of Pleconaril (VP 63843) in the Treatment of Rhinovirus Upper Respiratory Tract Infections in Patients with Moderately Severe Bronchial Asthma" 9/97-8/98
59. Schering-Plough Protocol (C97-251-08) "Efficacy and Safety of 800mcg or 400mcg of Mometasone Furoate Nasal Spray of Placebo in the Treatment of Acute Episodes of Sinusitis" 10/97-5/98
60. Sepracor (051-027) "A Comparison of the Effect of Two Doses of Levalbuterol with Ventolin on Pulmonary Function in Subjects with Mild to Moderate Asthma" 3/98-3/99
61. Bayer (100107) "Prospective, Randomized Double Blind Comparison of the Safety and Efficacy of Oral Moxifloxacin (Bay 12-8039) 400mg QD for Ten Days vs. Oral Cefuroxide

- Axetil 250mg BID for Ten Days for the Treatment of Patients with Acute Bacterial Maxillary Sinusitis” 3/98-3/99
62. Novartis (rhuMAb-E25 01 010) “A Phase III, 7-Month Double Blind Randomized, Parallel Group, Placebo Controlled Multicenter Trial with a 5-Month Open Label Extension Period to Assess Safety and Tolerability, Steroid-Reduction, Pharmacokinetics, and Pharmacodynamics of Subcutaneous rhuMAb-E25 in Children (6-12 years) with Allergic Asthma Requiring Daily Treatment with Inhaled Corticosteroids”2/98-12/99
 63. TAP Holdings, Inc. (CEF-97-005) “Comparative Safety and Efficacy of Cefditoren Pivoxil and Clarithromycin in the Treatment of Acute Bacterial Exacerbation of Chronic Bronchitis”4/98-4/99
 64. TAP Holdings, Inc. (CEF-97-004) “Comparative Safety and Efficacy of Cefditoren Pivoxil and Augmentin (Amoxicillin/Clavulanate Potassium) in the Treatment of Patients with Acute Maxillary Sinusitis” 4/98-4/99
 65. Biogen, Inc. (C97-708) “A Randomized Double Blind Placebo Controlled Parallel Group Dose Response Study of BG9273 on Subjects with Moderate to Severe Plaque Psoriasis”5/98-4/99
 66. Forest Laboratories (ANC-MD-02-000) “A Long Term Open Label Study to Evaluate the Safety of HFA Flunisolide in Adult and Adolescent Patients with Mild to Moderate Asthma” 5/98-8/99
 67. Forest Laboratories (ANC-MD-04-00) “A One Year Open Label Study to Evaluate the Safety of HFA Flunisolide in Children with Mild to Moderate Asthma”5/98-8/99
 68. Novartis Pharmaceuticals (rhuMAb-E25 P006 extension) “An Open Label Extension Trial to Assess the Safety of rhuMAb-E25 in Patients with Seasonal Allergic Rhinitis Previously Treated in the Core Protocol 006” 7/98-10/98
 69. Hoechst Marion Roussel (M016455/4092) “Safety Evaluation of Once Daily Dosing of Fexofenadine HCl 180mg in Subjects with Seasonal Allergic Rhinitis and Concomitant Mild to Moderate Asthma” 8/98-12/98
 70. TAP Holdings, Inc. (CEF-97-009) “Comparative Safety and Efficacy of Cefditoren Pivoxil and Cefuroxime Axetil in the Treatment of Patients with Uncomplicated Skin or Skin Structure Infections” 7/98
 71. UCB Pharma (A236) “A Randomized Double Blind Placebo Controlled Parallel Group Multicenter Study Comparing the Efficacy and Safety of Three Doses (4mg, 15mg, or 60mg) of ucb 28754 Efenitidine Dihydrochloride Administered Twice a Day for 7 Days, to Placebo in Adult Outpatients with Seasonal Allergic Rhinitis Caused by Ragweed Pollen” 8/98-10/98
 72. Novartis Pharmaceuticals (rhuMAb-E25 P009) “A Phase III, 7-Month Double Blind Randomized Parallel Group Placebo Controlled, Multicenter Trial with a 5-Month Blinded Extension Period to Assess Efficacy, Safety, Tolerability, Steroid-Reduction, Pharmacokinetics, and Pharmacodynamics of Subcutaneous rhuMAb-E25 in Adolescents and Adults with Moderate to Severe Allergic Asthma Requiring Daily Treatment with Inhaled Corticosteroids” 7/98

73. Hoechst Marion Roussel (M0165455M/3097) "A Double Blind, Randomized, Parallel Study Comparing the Efficacy and Safety of Fexofenadine HCl 120mg QD, 180mg QD, Cetirizine HCl 10mg QD, and Placebo QD in the Treatment of Perennial Allergic Rhinitis" 10/98
74. Forest Laboratories (AER-MD-08) "An Open Label Parallel Group Randomized Placebo Controlled Study to Compare the Endocrine Effects of Aerobid Inhaler System (flunisolide) Flovent Inhalation Aerosol (fluticasone propionate), and Oral Prednisone in Patients with Mild to Moderate Asthma" 9/98-3/99
75. F Hoffmann-LaRoche (WV157598) "A Double Blind Randomized, Stratified, Placebo Controlled Study of Ro 64-0796 (Also Known As GS4104) in Children With Influenza" 10/98-4/99
76. F Hoffmann-LaRoche (WV 15799B) "A Double Blind Randomized Placebo Controlled Study of Ro 64-0796 (Also Known As GS4104) In the Treatment of Influenza in Children With Chronic Asthma" 10/98-4/99
77. F Hoffmann-LaRoche (WV15799B) "A Double Blind Randomized Placebo Controlled Study of Ro 64-0796 (Also Known As GS4104) Used for the Prevention of Clinical Influenza Post Exposure in Families" 10/98-4/99
78. F Hoffmann-LaRoche (WV15825) "A Double Blind Randomized Placebo Controlled Study of Ro 64-0796 (Also Known As GS4104) Used in Elderly Subjects for the Prevention of Clinical Influenza During the Influenza Season" 10/98-4/99
79. F Hoffmann LaRoche (M76001) "A Randomized Double Blind Placebo Controlled Multicenter Study of the Efficacy Based in the Time to Treatment of Influenza Infection with the Neurominidase Inhibitor Ro 64-0796 (Also Known As GS4104)" 12/98-4/99
80. Biogen, Inc. (C98-710) "A Blinded Multiple Dose Study to Determine the Tolerability of Repeated Courses of LFA3TIP (LFA-3/IgG1 Fusion Protein) in Subjects with Moderate, Moderate to Severe, and Severe Plaque Psoriasis" 1/99
81. Merck & Co., Inc. (102-00) "A Multicenter Double Blind Randomized, Parallel Group Study Investigating the Clinical Effect of Combination Montelukast/Loratadine in Patients with Seasonal Allergic Rhinitis Who Have a History of Asthma" 3/99-7/99
82. Pfizer, Inc.(L-0364) "A Second Randomized Double Blind Placebo Controlled Multicenter Study of the Efficacy, Safety and Effect on Quality of Life of Zyrtec® (Cetirizine HCl) vs. Placebo in the Treatment of Seasonal Allergic Rhinitis" 4/99-6/99
83. Hoechst Marion Roussel (M016455/4104) "Multicenter Double Blind Randomized Comparison of the Efficacy, Onset of Action and Safety of a Single Dose of Fexofenadine 180mg vs. Loratadine 10 mg vs. placebo in treating seasonal allergic rhinitis in an outdoor environment". 4/99-6/99
84. Merck & Co., Inc. (113-00) "A Randomized Double Blind Placebo Controlled Pilot Study Evaluating the Effects of Montelukast Sodium vs. Salmeterol Xinafoate on Rescue Beta-agonist Induced Bronchodilation Following Challenge – (Exercise) Induced Bronchoconstriction" 7/99-8/99

85. Schering-Plough (900355) "Efficacy and Safety of SCH 34117+ Pseudoephedrine, BID, vs Its Components in the Treatment of Subjects with Seasonal Allergic Rhinitis" 7/99-11/99
86. Schering-Plough (P00372) "Efficacy and Safety of SCH 34117 in the Prophylaxis of Subjects with Seasonal Allergic Rhinitis" 7/99-11/99
87. Schering-Plough (P00687) "Efficacy and Safety of SCH 29854 8mg QD in Subjects with Seasonal Allergic Rhinitis" 7/99-11/99
88. Merck & Co., Inc. (117-00) "A Multicenter Double Blind Randomized Parallel Group Study Investigating the Clinical Effect of Combination Montelukast/Loratadine in Patients with Seasonal Allergic Rhinitis - Fall Study" 8/99-11/99
89. Agouron Pharmaceuticals (AG7088-304) "A Phase II Double Blind Placebo-Controlled Randomized, Multicenter, Parallel Study of AG7088 Nasal Spray, 2% Suspension for the Treatment of Natural Rhinovirus Infection in the General Population Including Patients with a History of Chronic Respiratory Disease" 12/99
90. Dura Pharmaceuticals (DPIBDP-07) "An Open Label Multiple-Dose Multicenter Study to Evaluate the Safety of Beclomethasone Dipropionate and Reliability of the "To Be Marketed" Spiros Dry Powder Inhaler in Patients with Asthma" 10/99-12/99
91. Novartis Pharmaceuticals (CIGE025 0114) "A Phase IIIB, Multicenter, Multiple Dose, 4-Month Randomized Parallel Group Double Blind, Placebo Controlled, Study to Assess the Efficacy, Safety and Tolerability of rhuMAb-E25 For the Treatment of Symptomatic Patients 12-75 Years Old with Perennial Allergic Rhinitis" 10/99-12/99
92. AstraZeneca (9188IL/0156) "A Randomized Double Blind Placebo Controlled Parallel Group Multicenter Trial to Evaluate the Effect of Oral Zafirlukast (ACCOLATE™) on Growth in Prepubescent Children with Mild-to-Moderate Asthma" 9/99-12/99
93. Biogen (C99-714) "An Open Label Study to Determine the Tolerability and Efficacy of Repeat Courses of LFA3TIP (LFA-3/IgG1 Fusion Protein) in Subjects with Chronic Plaque Psoriasis Who Have Previously Completed C97-708 or C98-709 Study" 11/99-12/99
94. Biogen (C99-711) "A Randomized, Double Blind Comparison of Intravenous vs. Placebo in Subjects with Chronic Plaque Psoriasis" 12/99
95. Alkermes, Inc. (AIR01-003) "A Phase I/II Multicenter Placebo Controlled Study of Albulast in Adults with Asthma" 1/00
96. AstraZeneca, Inc. LP (SC-397-5099) "A Multicenter Double Blind Placebo Controlled Group Comparative Study to Investigate the Long Term Safety of AR-C68397AA via pMDI in Adult Patients with Chronic Obstructive Pulmonary Disease (COPD)" 1/00
97. Merck & Co., Inc. "Single Site Double Blind Randomized Placebo Controlled Parallel Study Comparing the Efficacy and Safety of Montelukast 10mg QD in the Treatment of Chronic Idiopathic Urticaria" 1/00
98. AstraZeneca, LP (SC-397-5098) "A Multicenter Multinational Double Blind Placebo Controlled Group Comparative Study to Investigate the Effects of Viozan (TID) via pMDI

- Compared with Placebo (TID) in Adult Patients with Chronic Obstructive Pulmonary Disease (COPD)” 2/00
99. Biogen C99-712 “A Randomized Double Blind Placebo Controlled Dose Comparison Study to Evaluate the Efficacy and Safety of Intramuscular Administration of LFA3TIP in Subjects with Chronic Plaque Psoriasis” 2/00
 100. Merck & Co., Inc.(162-00); “Multicenter Double Blind, Randomized, Parallel-Group Study Investigating the Clinical Effect of Combination Montelukast/Loratadine in Patients with Seasonal Allergic Rhinitis – Spring Study” 2/00
 101. Aventis Pharmaceuticals, Inc. (M0164551/3112) “A Multicenter, Double-blind, Randomized, Placebo Controlled, Parallel Study to Assess the Safety and Tolerability of Fexofenadine HCl 30 MG Twice A Day During Treatment of Children 2 Through 5 Years of Age With Allergic Rhinitis”2/00
 102. Genentech, Inc. (ACD2059g) “A Phase III, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Multicenter, Multidose Study to Evaluate the Efficacy and Safety of Subcutaneously Administered Anti-CD11a in Adults with Moderate to Severe Plaque Psoriasis Who Are Candidates for Systemic Therapy”. 3/00
 103. Pfizer, Inc. – “Randomized, Double-Blind, Parallel Group, Placebo-Controlled Multicenter Study of the Efficacy and Safety of Cetirizine-Pseudoephedrine vs. Loratadine-Pseudoephedrine (Claritin-D 12 hour) vs. Placebo in the Treatment of Subjects Twelve Years and Older with seasonal allergic rhinitis”. 4/00
 104. Merck & Co., Inc. – “Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Acute Bronchodilatory Effect of Montelukast in 6-14 Year Old children with Persistent Asthma” 4/00
 105. Merck & Co., Inc. – “Single Site, Double-Blind, Randomized, Placebo-Controlled, Crossover Study of the Efficacy and Safety of montelukast 5mg QD in Acutely Preventing Exercise-Induced bronchoconstriction in 6-14 Year Old Children”. 4/00
 106. Biogen (C99-718) – “Randomized Open Label Controlled Study to Assess the Effect of Intravenous LFA3TIP (LFA-3/IgG₁ Human Fusion Protein) on T Cell-Dependent Humoral Responses to Recall and Neo-Antigens in Subjects with Chronic Plaque Psoriasis” 7/00
 107. Aventis (M016488C/3212) – “Double Blind Randomized Placebo Controlled Parallel Group Study Assessing the Efficacy and Safety of Oral Fexofenadine HCl Tablets 30 mg Twice a Day in Pediatric Subjects (6-11 Years) in the Treatment of Seasonal Allergic Rhinitis”. 8/00
 108. Immunex (013.0017) – “Phase II Safety and Efficacy Study of Nebulized Recombinant Human IL-4 Receptor in Asthma” 8/00
 109. Biogen C99-717 – “Double Blind Dose Comparison Retreatment Study to Evaluate the Efficacy and Safety of Intramuscular Administration of LFA3TIP (LFA-3IgG₁ Human Fusion Protein) in Subjects With Chronic Plaque Psoriasis Who Have Previously Completed Study C99-712.” 7/00
 110. Novartis (CCOX189 114) “A 13 Week Multicenter Randomized, Double-Blind, Double-Dummy, Placebo-Controlled Parallel Group Trial of 2 Doses of COX189 (200 and 400 mg

- qd) in Patients with Rheumatoid Arthritis Using Celecoxib (200 mg bid) as a Comparator". 7/00
111. Merck, Inc. Protocol #120-04. "A Randomized, Double-Blind, Multicenter Study to Evaluate the Effect of Adding Either Montelukast Sodium or Salmeterol Xinafoate to Inhaled Fluticasone in Adult Asthmatics" (Challenge Rescue Substudy #2). 9/00
 112. Alkermes (Protocol AIR01-004) "A Phase IIa Cross-Over Study of Once Daily Inhalations of AlbuLast™ Compared to Placebo in Adults with Asthma". 9/00
 113. Immunex Corporation (Protocol 013.0019) "Phase II Safety and Efficacy Study of Nebulized Recombinant Human IL-4 Receptor in Asthma Patients Using Inhaled Corticosteroids". 12/00
 114. Forest Laboratories: "A Double-Blind, Placebo-Controlled, Parallel Group Study of the Efficacy and Safety of Once Daily Flunisolide HFA Inhaler System in Patients with Asthma Currently Treated with Inhaled Steroids". 04/01
 115. Whitehall Robins Healthcare, Protocol # AD-99-02: "Advil Multi-Symptom Allergy Sinus Efficacy and Safety Study". 4/01
 116. Pfizer, Inc. "A Randomized, Double-Blind, Parallel Group, Placebo Controlled, Multicenter Study of the Efficacy and Safety of Zyrtec® (Cetirizine HCl) Syrup vs. Claritin® (Loratadine) Syrup vs. Placebo in the Treatment of Children with Seasonal Allergic Rhinitis". 5/01
 117. Muro – "Double-Blind, Placebo-Controlled, Randomized, Parallel Group Study of Four Doses of Loteprednol Etabonate Nasal Spray (100 µg, 200 µg, 400 µg and 800 µg) with Flonase® (200µ) as an Open Active-Control in the Treatment of Adults and Adolescents with Allergic Rhinitis Induced by Grass Pollen". 5/01
 118. Protein Design Labs – "A Phase II, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Pilot Study of SB 240683 in Patients with Symptomatic Steroid-Naïve Asthma". 08/01
 119. IDEC –(protocol #152-02) – A Placebo-Controlled, Multiple-Dose, Sequential Dose-Escalating Study to evaluate the Safety and Clinical Activity of IDEC-152 (Anti-CD23) Monoclonal Antibody in Patients with Mild Persistent to Severe Persistent Allergic Asthma 09/01
 120. Genentech – Effects of Omalizumab (Xolair®) on Allergen-Induced Endpoint Skin Titrations and Nasal Challenges: Onset of Action. 09/01
 121. Alkermes – A Double-Blind Placebo-Controlled Phase IIa Cross-Over Study of Single Doses of AIR-Salmeterol Compared to Placebo and Active Control in Adults with Asthma. 09/01
 122. Aventis – A Phase III, Double-Blind, Placebo Controlled, Parallel-Group, Multicenter, Efficacy, Safety, and Dose Response Study of Ciclesonide Metered Dose Inhaler 50 µg/Day, 100 µg/Day and 200 µg/Day (ex-valve) Administered Once Daily for 12 Weeks in the Treatment of Children with Persistent Asthma. 08/01

123. Novartis Pharmaceuticals Corp., CASM 981 US03: "A 6-month, randomized, multicenter, parallel-group, double-blind, vehicle-controlled study to evaluate the efficacy of mild to severe atopic dermatitis in adults".09/01
124. Novartis Pharmaceuticals Corp., CFOF258 F2303: "A 12-Week Randomized, Multicenter, Double-Blind, Double-Dummy, Placebo and Active Controlled, Parallel Group Study Evaluating the Safety, Efficacy, and Pharmacokinetics of Foradil® (Formoterol Fumarate) (10 µg BID) Delivered By the Multi-Dose Dry Powder Inhaler (MDDPI) vs. Placebo vs. Albuterol pMDI QID in Patients with Persistent Asthma".10/01
125. Merck Protocol 246-00: "A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study Investigating the Clinical Effects of Montelukast in Patients with Perennial Allergic Rhinitis". 12/01
126. Whitehall-Robins Protocol AC-02-03: "A Repeat-Dose, Placebo-and Active- Controlled Multicenter Efficacy and Safety Study of a Tablet Containing Ibuprofen 200mg Pseudoephedrine Hydrochloride 30mg, and Dextromethorphan Hydrobromide 15mg in Subjects with Symptoms of Cold or Flu." 12/01
127. Schering-Plough Research Institute P02772: " A Double-Blind, Placebo-Controlled Study of the Effect of Desloratadine in Subjects with Perennial Allergic Rhinitis". 12/01
128. Novartis Pharmaceuticals Corp. CFOR258D2307:"A Randomized, Multicenter, Placebo-Controlled Parallel Group Study of Four Months Duration per Patient to Evaluate the Safety and Efficacy of Treatment with 24µg BID and 12µg BID Formoterol, Double- Blind, and 12 µg BID Formoterol with Additional On-Demand Formoterol Doses, Open-Label, in Adolescent and Adult Patients with Persistent Stable Asthma". 12/01
129. Pfizer, Inc. A3771007: "A Multicenter, Randomized, Double-Blind, Placebo Controlled Study of the Efficacy and Safety of Zyrtec-D 12 Hour™ (Cetirizine HCl/Pseudoephedrine HCl) versus Placebo in Patients with Seasonal Allergic Rhinitis and Concomitant Mild to Moderate Asthma". 01/02
130. Aventis Pharmaceuticals, Inc. MO16455P/3002: "A Multicenter, Double-blind Randomized, Parallel Group Placebo-Controlled Study to Assess the Efficacy and Safety of Fexofenadine 120 mg BID in Subjects with Mild to Moderate Persistent Asthma".01/02
131. Aventis Pharmaceuticals, Inc. XRP1526B-342-LT:"A Multicenter, Randomized, Open-Label, One Year Long Term Safety Study of Ciclesonide Metered Dose Inhaler 50µg/Day to 200 µg/Day (Ex-Valve) Administered Once Daily or Fluticasone Dry Powder Inhaler Flovent® Rotadisk®) 50 µg or 100µg Administered Twice Daily for the Treatment of Children with Persistent Asthma". 02/02
132. IDEC Pharmaceuticals Corporation IDEC 152-04:"A Phase II, Randomized, Blinded, Placebo-Controlled, Multiple-Dose, Dose-Finding Study to Evaluate the Safety and Clinical Activity of IDEC-152 in Patients with Ragweed-Induced Seasonal Allergic Rhinitis". 02/02
133. Pfizer Inc. "A Multicenter, Randomized, Double-Blind, Placebo Controlled Study of the Efficacy and Safety of Zyrtec-D 12 Hour™ (Cetirizine HCl/Pseudoephedrine HCl) Versus Placebo in Patients with Seasonal Allergic Rhinitis and Concomitant Mild to Moderate Asthma". 04/02

134. IDEC Pharmaceuticals Corporation “A Phase II, Randomized, Blinded, Placebo-Controlled, Multiple-Dose, Dose-Finding Study to Evaluate the Safety and Clinical Activity of IDEC-152 in Patients with Ragweed-Induced Seasonal Allergic Rhinitis 06/02
135. Biogen, Inc. “An Open-Label, Multicenter Study to Evaluate the Safety and Tolerability of Intramuscular Administration of Alefacept (LFA-3/IgG₁ Fusion Protein) in Subjects with Chronic Plaque Psoriasis who have Completed Studies C99-717 or C99-712” 7/02
136. Muro Pharmaceutical, Inc. “Evaluation of the Onset of Action (Day-in-the-Park) of a Single Dose of 400 µg Loteprednol Etabonate Nasal Spray in Adults and Adolescents with Ragweed Induced Seasonal Allergic Rhinitis (“Intermittent Rhinitis”).07/02
137. A Twelve-Week, Randomized, Double-Blind, Double-Dummy, Placebo and Active Controlled Study of SYMBICORT™ pMDI Administered Once Daily in Adults and Adolescents with Asthma – STEM (AstraZeneca Protocol SD-039-0726) 11/02
138. Merck, Inc. (Protocol #269-00) “A Multicenter, Double-Blind, Randomized Study Investigating the Clinical Effect of Montelukast on Allergic Rhinitis in Patients with Seasonal Allergic Rhinitis and Chronic Asthma”– Spring 2003. 5/03
139. Sepracor (Protocol #110-086) “Assessment of Skin Biopsies Following Treatment with Tecastemizole for 4 Months”. 5/03
140. A Multicenter, Double-Blind, Randomized, Parallel-Group Study Investigating the Clinical Effects of L-000888839 in Patients with Seasonal Allergic Rhinitis – a Pilot Study During the Fall Season (Merck & Co., Inc. Protocol 005-00) 7/03
141. Merck 265-00 – A Multicenter Double Blind Randomized Placebo Controlled Parallel Group Study Investigating the Clinical Effects of Montelukast in Patients with Perennial Allergic Rhinitis. 10/03
142. ONO, Pharmaceuticals: A Four Week Double Blind Placebo Controlled Exploratory Evaluation of FEV_{1.0} Changes and Safety of ONO-6126 in Patients with Chronic Obstructive Pulmonary Disease (COPD). 11/03
143. Corixa Corporation (CCMA001-01): A Phase I Double-Blind, Placebo-(Saline) Controlled, Dose Escalating, Ragweed Allergen Challenge Study in Adults Allergic to Ragweed to Evaluate the Safety, Tolerability and Clinical Outcomes of the Intranasal Application of CRX-675. 01/04
144. Novartis Pharma/Genentech Inc.: A Phase II, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Oral Food Challenge Trial of Xolair® (Omalizumab) In Peanut Allergy. 01/04
145. Novartis Pharma/Genentech Inc.: The Effects of Omalizumab (Xolair®) on Airway Hyperresponsiveness. 01/04
146. Merck & Co., Inc.: (289-00): A Multicenter, Double-Blind, Placebo-Controlled, Randomized, Parallel-Group Study to Evaluate the Clinical Effect of Oral Montelukast

Versus Placebo During the Allergy Season in Patients with Seasonal Aeroallergen Sensitivity and Chronic Asthma Which is Also Active During Allergy Season.01/04

147. Dynavax (DVI-SAR-06): A Phase IIb, Double-Blind, Randomized, Placebo-Controlled Study of the Efficacy, Safety, Tolerability, and Immunogenicity in Ragweed Allergic Adults Following Subcutaneous Administration of Dynavax Amb a 1 Immunostimulatory Oligodeoxyribonucleotide Conjugate (AIC). 01/04
148. Pfizer (A9001244) A Randomized, Double-Blind, Placebo-Controlled 3-Way Crossover Study to Determine the Effects of Single and Multiple (7 Days) Doses of Allegra-D™ (Fexofenadine 60mg/Pseudoephedrine Hydrochloride 120 mg) on Objective (A_{min} and Nasal Volume Via Acoustic Rhinometry) and Subjective (Symptom Score) Measures of Nasal Congestion in Response to Nasal Allergen Provocation in Subjects with Seasonal Allergic Rhinitis. (01/05)
149. Medicinova (MN-001-CL-001) A Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Effects of MN-001 in Subjects with Mild to Moderate Asthma.(02/05)
150. Dynavax (Protocol DV1-SAR-08) A Phase III, Non-Pivotal, Double-Blind, Randomized Study of the Efficacy, Safety and Tolerability of Subcutaneously Administered Dynavax *Amb a 1* Immunostimulatory Oligodeoxyribonucleotide Conjugate (AIC) Plus Anti-histamine and Decongestant versus Antihistamine and Decongestant Alone in Ragweed Allergic Children. (03/05)
151. Capnia (Protocol SAR-2005) Feasibility Study to Evaluate the Efficacy of Carbon Dioxide Gas (CO₂) for the Relief of Symptoms Associated with Seasonal Allergic Rhinitis. (04/05)
152. Astellas Pharma, Inc. (Protocol 04-0-213) A Phase II, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study of the Safety and Efficacy of Tacrolimus Inhalation Aerosol in Subjects with Persistent Asthma. (05/05)
153. Novartis: Exhaled breath condensate and nitric oxide: Non-invasive evaluation of lung disease after treatment with Xolair. 5/05
154. Schering-Plough: The Effects of Mometasone DPI on Markers of Airway Inflammation. (08/05)
155. Novartis Pharmaceuticals (CIGE025AUS23) A 26-Week, Randomized, Double-Blind, Parallel-Group Placebo-Controlled, Multi-Center Study to Evaluate the Effect of Xolair (omalizumab) on Improving the Tolerability of Specific Immunotherapy in Patients with Persistent Allergic Asthma.(9/05)
156. CSL Behring GmbH CE1145-3003: Open label extension study of human pasteurized C1 esterase inhibitor concentrate (CE1145) in subjects with congenital C1-INH deficiency and acute HAE attacks. 09/05
157. Dynavax Technologies Corporation (Protocol DV1-SAR-09) A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study of the Efficacy and Safety of Subcutaneously Administered TOLAMBA™ in Ragweed-Allergic Adults.(01/06)
158. Pharmaxis (Protocol DPM-A-305) A Phase III Multicenter Study to Demonstrate the Sensitivity of Aridol (Mannitol) Challenges as Compared with Methacholine Challenge to Predict Bronchial Hyperresponsiveness as Manifested By a Positive Exercise Challenge

- in Subjects Presenting with Signs and Symptoms Suggestive of Asthma but Without a Definitive Diagnosis. (01/06)
159. ZLB Behring: Human Pasteurized C1 Esterase Inhibitor Concentrate (CE1145) In Subjects with Congenital C1-INH Deficiency and Acute Abdominal or Facial HAE Attacks. 1/06 (SI)
 160. Aperon – Monitoring the Fractional Concentration of Exhaled Nitric Oxide (F_ENO) in Uncontrolled Asthma Before and After Steroid Therapy Using the Aperon NO Analyzer. (01/06)
 161. Novartis Pharmaceuticals Corp.: The Effect of Xolair on Inhibiting Leukotriene and Cytokine (IL-4 and IL-13) Release From Blood Basophils. 3/06 (SI)
 162. Novartis Inc: Effect of Xolair on inhibiting leukotriene and cytokine (IL-4 and IL-13) release from blood basophils. 3/06
 163. Alcon Research, Ltd.: C-05-69- Safety Study of Olopatadine Nasal Spray. (11/06)
 164. Allergy Therapeutics: A Randomized, Placebo-Controlled Double-Blind Study to Test the Efficacy and Safety/Tolerability of Grass MATAMPL. (01/07)
 165. Curalogic: Randomized, Double-Blind, Parallel Group, Placebo-Controlled Study to Study the Efficacy and Safety of Oral Microencapsulated Ragweed Pollen extract Administered Prior and During Ragweed Pollen Season. (01/07)
 166. Novartis: A 26-Week Treatment, Multicenter, Randomized, Double-Blind, Double-Dummy, Placebo-Controlled Adaptive, Seamless, Parallel-Group Study to Assess the Efficacy, Safety and Tolerability of 2 Doses of Indacaterol (selected from 75,150,300 & 600 µg/o.d.) in Patients with Chronic Obstructive Pulmonary Disease Using Blinded Formoterol (12 µg b.i.d.) and Open Label Tiotropium (18 µ.g. o.d.) as Active Controls. (03/07) (SI)
 167. Allied Therapeutics: A Randomized, Placebo-Controlled Double-Blind Study to Test the Efficacy and Safety/Tolerability of Ragweed MATAMPL. (03/07)
 168. Amgen, Inc: Randomized, Double-Blind, Placebo-Controlled, Multiple Dose, Phase II Study to Determine the Safety and Efficacy of AMG317 in Subjects with Moderate to Severe Asthma. (02/07)
 169. Novartis, Inc.: The Effect of Xolair on Inhibiting Leukotriene and Cytokine (IL-4 and IL-13) Release from Blood Basophils. (03/07) (SI)
 170. Altana, Inc.: The Effect of Roflumilast In-Vitro on Basophil, Histamine and Leukotriene, IL-4 and IL-13 Release. (04/07) (SI)
 171. Abbott Labs.: A Phase IIa, Multi-Center, Randomized, Double-Blind, Placebo-Controlled Parallel, Dose- finding Study to Evaluate the Safety, Efficacy and Pharmacokinetics of Adalimumab on Subjects with Refractory Asthma. (05/07)
 172. Novartis, Pharmaceuticals: A 26-Week Treatment, Randomized Multicenter, Double-Blind, Double-Dummy, Parallel-Group Study to Assess the Safety of Indacaterol (300

- and 600µg o.d.) in Patients with Moderate to Severe Persistent Asthma, Using Salmeterol (50 µg b.i.d.) as an Active Control. (05/07)
173. Quintiles/Innovex: Randomized, Double-Blind, Parallel Group, Placebo-Controlled Study to Assess the Efficacy and Safety of Oral Microencapsulated Ragweed Pollen Extract administered Prior to and During Ragweed Pollen Season. (04/07)
 174. Amgen: A Randomized, Double-Blind, Placebo-Controlled, Multiple Dose, Phase II Study to Determine the Safety and Efficacy of AMG 317 in Subjects with Moderate to Severe Asthma. (06/07)
 175. Novartis – Randomized double-blinded, placebo controlled, PARALLEL group, multicenter study to assess safety, tolerability, pharmacokinetics, pharmacodynamics, and efficacy of intravenous doses of QAX576 in moderate persistent allergic asthmatics following inhaled corticosteroid withdrawal.(9/07)
 176. Pfizer: Randomized Double-Blind, Double-Dummy, Placebo-Controlled, Four-way Crossover Study to Determine the Effects of an H3 Receptor Antagonist -PF-03654756 on Congestion Following a Nasal Allergen Challenge in Subjects with Seasonal Allergic Rhinitis. (10/07)
 177. Alcon C-07-01– Safety and efficacy of olopatadine HCL nasal spray in 6-11 year old patients. (10/07)
 178. Barofold, Inc.: Research testing agreement. (03/08)
 179. Greer Labs. (SLIT 07-01) – Parallel, randomized double-blind, placebo-controlled trial in adults for the sublingual-oral immunotherapy (SLIT) of allergic rhinoconjunctivitis with or without asthma caused by ragweed pollen. (04/08)
 180. Capnia C215: Randomized, double-blind, placebo-controlled multicenter study to evaluate the efficacy and safety of nasal carbon dioxide in the treatment of seasonal allergic rhinitis. (5/07)
 181. Merck: Effect of montelukast in–vitro on basophil, histamine and leukotriene, IL-4 and IL-13 release in subjects with allergic rhinitis or allergic asthma. (5/08)
 182. MedImmune MI-CP143 – Phase IIa randomized double-blind placebo-controlled dose-escalating study to evaluate the safety and effect on exercise challenge testing of multiple fixed subcutaneous doses of MEDI-528, a humanized anti-interleukin-9 monoclonal antibody in adults with stable asthma and exercise-induced bronchoconstriction. (07/08)
 183. Pfizer A8801003 – Randomized double-blind double dummy placebo-controlled four-way crossover study to determine the effects of an H₃ receptor antagonist (PF-03654746) on congestion following a nasal allergen challenge in subjects with seasonal allergic rhinitis.(07/08)
 184. Merck & Co., Inc.: Phase 1B randomized, placebo-controlled, clinical trial to study the safety and bronchodilatory effect of MK-0476 in patients with chronic asthma. (07/08)
 185. Stallergenes, SA: Randomized, double-blind, placebo-controlled multicenter Phase III study of the efficacy and safety of 300 IR sublingual immunotherapy

- (SLIT) administered as allergen-based tablets once daily to adult patients suffering from grass pollen. (10/08)
186. Boehringer-Ingelheim 1012.57: Multicenter randomized study starting with a 4-week, 2-way crossover double-blind treatment dose comparing the efficacy and safety of Combinvent® CFC MDI to albuterol HFA MDI followed by a 4-week open-label Combivent Respimat® treatment phase when all study drugs are used for symptom relief “as needed” in patients with moderate to severe asthma (GINA 2207treatment steps 3 to 5). (12/08)
 187. Pfizer PF-04191834: Phase 2A randomized, double-blind (3rd party open) double-dummy, placebo and active controlled 5-way crossover study to assess the bronchodilatory action, safety, toleration and pharmacokinetics of single oral doses of PF-0419834 in asthmatic patients. (3/09)
 188. Novartis Protocol CNVA237-A 52-Week Treatment, Randomized, Double-Blind, Placebo-Controlled, With Open Label Tiotropium, Parallel-Group Study To Assess The Efficacy, Safety and Tolerability of NVA237 In Patients With Chronic Obstructive Pulmonary Disease.
 189. Novartis Protocol CQMF149A2210- A randomized, multi-center, parallel group, double blind, study to assess the safety of QMF Twisthaler® (500/400µg) and mometasone furoate Twisthaler® (400µg) in adolescent and adult patients with persistent asthma.
 190. Capnia Protocol C218- A Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Pilot Study to Evaluate the Efficacy and Safety of Nasal Carbon Dioxide Used Four Times a Day in the Symptomatic Treatment of Seasonal Allergic Rhinitis. (5/08)
 191. Genentech. A Phase II, Randomized, Double-Blind, Placebo-Controlled study to Evaluate the Safety, Tolerability and Efficacy of Lebrikizumab (MILR 444A) in Adult Patients with Asthma who are Inadequately Controlled on Inhaled Corticosteroids (MILLY) 9/09 (SI)
 192. Schering-Plough P05234- A Multi-Center, Randomized, Double-Blind, Multiple-Dose, Placebo- Controlled, Parallel-Group Study Evaluating the Efficacy and Long-Term Safety of Ragweed (*Ambrosia artemisiifolia*) Sublingual Tablet (SCH39641) in Adult Subjects With a History of Ragweed- Induced Rhinoconjunctivitis With or Without Asthma. (12/09)
 193. Roche. Effects of Intranasal Corticosteroid and Montelukast On Nasal Allergen Challenges (10/10)
 194. Boehringer Ingelheim 205.418 A Phase III randomised, double-blind, placebo-controlled, parallel group trial to evaluate efficacy and safety of tiotropium inhalation solution delivered via Respirimat® inhaler (2.5 and 5 µg once daily) compared with placebo and salmeterol HFA MDI (50 µg twice daily) over 24 weeks in patients with moderate persistent asthma. (11/10)
 195. Roche Collection of Nasal Epithelium Lining Fluid Samples from Allergic Rhinitis Patients (3/11)

196. GenentechQ4882g A phase III, multicenter, randomized, double-blind, dose ranging, placebo-controlled study to evaluate the efficacy, response duration and safety of Xolair® (Omalizumab) in patients with chronic idiopathic urticaria (CIU) who remain symptomatic despite antihistamine treatment (H1). (6/11)
197. Sanofi Aventis Protocol ACT11457: A randomized, double-blind, placebo-controlled, parallel group study to assess the efficacy, safety, and tolerability of SAR231893/REGN668 administered subcutaneously (SC) once weekly for 12 weeks in patients with persistent eosinophilic asthma who are partially controlled/uncontrolled by inhaled corticosteroid (ICS) plus long-acting beta 2 agonist (LABA) therapy. (6/11)
198. Sun Micro - A 2 week randomized double-blind placebo controlled parallel group, safety and efficacy study of Ciclosonide nasal aerosol in subjects 6-11 years with seasonal allergic rhinitis. (6/11)
199. Schering-Plough Research Institute – A multicenter, double-blind randomized placebo-controlled parallel group study evaluating the efficacy and safety of grass (phleum pretense) sublingual tablet (SCH 697243) in subjects between 5 and 65 years of age with history of grass pollen-induced rhinoconjunctivitis, with or without asthma. (7/11)
200. Medimmune/AstraZeneca – Phase IIb randomized double-blind study to evaluate the efficacy of Tralokinumab in adults with uncontrolled severe asthma. (10/11)
201. Medimmune, Inc. – MI-CP198: A phase IIB, randomized study to evaluate the efficacy and safety of subcutaneous Medi-528 in adults with uncontrolled asthma. (12/11)
202. AstraZeneca - A phase II double-blind, randomized, parallel-group placebo-controlled multicenter study, comparing Budesonide Pmd 160µG BID with placebo; a 6-week efficacy and safety study in children aged 6 - 12 years with asthma. (D589GC00001) (12/11)
203. Merck – A 26 week, randomized, double-blinded, active controlled study comparing the safety of Mometasone furoate, formoterol fumarate MDI fixed dose combination versus mometasone furoate MDI monotherapy in adolescents and adults with persistent asthma. (2011)
204. Sunovion – A 2 week, randomized, double-blind, placebo-controlled, parallel group safety and efficacy study of Ciclesonide nasal aerosol in subjects 6 – 11 years with seasonal allergic rhinitis. (2012)
205. Circasia – A double-blind, randomized, placebo-controlled, multicenter field study to assess the efficacy and safety of cat-pad peptide immunotherapy in cat allergic subjects. (2012)
206. Cytos – A randomized, placebo-controlled, phase IIB, dose-finding study of CYT003-QBG10, a TLR9-agonists in patients with moderate to severe allergic asthma not sufficiently controlled on current standard therapy (GINA steps 3+4) (2012)
207. Chiltern/Mylan – A randomized, double-blind, placebo-controlled 3-way crossover incomplete block study to assess the dose-responsiveness of exhaled nitric oxide to Advair® Diskus® inhaler in adult asthmatic subjects. (2012)

208. Novartis – A randomized, placebo-controlled, dose-ranging, multicenter trial of QAW039 (1-450 mg PO) to investigate the effect of FEV1 and ACQ in patients with moderate to severe, persistent, allergic asthma, inadequately controlled with ICS therapy. (2012)
209. WB Roche - A Phase III, Randomized, Double-Blind, Placebo-Controlled Study to Assess Tolerability of Lebrikizumab in Adolescent Patients with Uncontrolled Asthma who are Taking Corticosteroids and a Second Controller Medication a phase III, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy, Safety, and Tolerability of Lebrikizumab in Adolescents with Uncontrolled Asthma Who are on Inhaled Corticosteroids and a Second Controller.
210. Dyax - Phase 1b, Double-Blind, Multiple Ascending Dose Study to Assess Safety, Tolerability and Pharmacokinetics of DX-2930 in Hereditary Angioedema Subjects ROTOCOL NO.: DX-2930-02 (Sub-I) (2014).
211. Optinose - A 16-Week RaNdomized, Double-Blind, Placebo-Controlled, PArallel-Group, Multicenter Study EValuatInG the Efficacy and Safety of Intranasal Administration of 100, 200, and 400 µg of FluticAsonE Propionate Twice a Day (BID) Using a Novel Bi-DirecTional DEvice in Subjects with Bilateral Nasal Polyposis Followed by an 8-Week Open-Label Extension Phase to Assess Safety (Sub-I) (2014).
212. Pharming: (HAE) A Phase 2 Multicenter, Randomized, Double-Blind, Placebo-Controlled, 3-Period Crossover Study to Evaluate the Efficacy and Safety of Recombinant Human C1 Inhibitor in the Prophylaxis of Angioedema Attacks in Patients with Hereditary Angioedema (Sub-I) (2014).
213. SHIRE: (HAE) A Multicenter, Open-Label, Non-Randomized Study to Assess the Pharmacokinetics, Tolerability, and Safety of a Single Subcutaneous Administration of Icatibant in Children and Adolescents with HAE (Sub-I) (2014).
214. Sanofi: (Asthma) A randomized, double blind, placebo-controlled, parallel group study to evaluate the efficacy and safety of dupilumab in patients with persistent asthma (2015).
215. LAS-MD-45: (COPD) Double-blind, Randomized, Placebo-controlled, Parallel-group, Phase IV Study to Evaluate the Effect of Acclidinium Bromide on Long-term Cardiovascular Safety and COPD Exacerbations in Patients with Moderate to Very Severe COPD (Sub-I) (2014).
216. SUMMIT: (COPD) A Clinical Outcomes Study to compare the effect of Fluticasone Furoate/Vilanterol Inhalation Powder 100/25mcg with placebo on Survival in Subjects with moderate Chronic Obstructive Pulmonary Disease (COPD) and a history of or at increased risk for cardiovascular disease (Sub-I) (2015).
217. ROF-MD-07: (COPD) A 52-Week, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study to Evaluate the Effect of Roflumilast 500 µg on Exacerbation Rate in Patients With Chronic Obstructive Pulmonary Disease (COPD) Treated With a Fixed-Dose Combination of Long-Acting Beta Agonist and Inhaled Corticosteroid (LABA/ICS) (Sub-I) (2015).
218. Circassia: (Dust Mite) A Double-Blind, Randomised, Placebo-Controlled, Multi-Centre Field Study to Assess the Efficacy and Safety of HDM-SPIRE in Subjects with a History of House Dust Mite-Induced Rhinoconjunctivitis (Sub-I) (2015).
219. Genentech: (Urticaria) XTEND-CIU (XOLAIR TREATMENT EFFICACY OF LONGER DURATION IN CHRONIC IDIOPATHIC URTICARIA): A Phase IV, Multicenter,

- Randomized, Double-Blind, Placebo Controlled study to evaluate the efficacy and safety of Omalizumab through 48 weeks in patients with Chronic Idiopathic Urticaria (Sub-I) (2015).
220. COMPLEWARE U-SS-M-AS312: A randomized, double-blind, double-dummy, placebo-controlled, four way crossover multicenter study to compare the Bronchoprotective effects of Albuterol Sulfate HFA pMDI with the reference product, Albuterol Sulfate HFA pMDI Proventil HFA. (2015).
221. VERTEX VX14-787-103: (FLU) A phase 2B, randomized, double-blind, placebo-controlled, parallel-group, multicenter study of 2 dose levels of VX-787 administered as monotherapy and one dose level of VX-787 administered in combination with Oseltamivir for the treatment of acute uncomplicated seasonal influenza A in adult Subjects (2015).
222. STALLERGENES SL75.14: (DUST MITE) A randomized, double-blind, placebo-controlled, multi-center study of the efficacy and safety of STG320 sublingual tablets of house dust mite (HDM) allergen extracts in adults and adolescents with HDM-associated allergic rhinitis (2015).
223. AFFERENT PHARMACEUTICALS, INC. AF219-012; A 12-Week Study to Assess the Efficacy and Safety of AF-219 in Subjects with Treatment Refractory Chronic Cough (2016).
224. AIMMUNE THERAPEUTICS, INC: PEANUT ALLERGY ORAL IMMUNOTHERAPY STUDY OF AR101 FOR DESENSITIZATION IN CHILDREN AND ADULTS (THE PALISADE STUDY) (2016)
225. SANOFI, INC. A randomized, double blind, placebo-controlled, parallel group study to evaluate the efficacy and safety of dupilumab in patients with persistent asthma. (2016)
226. DYAX. A randomized, double-blind, placebo-controlled safety and efficacy study to Evaluate DX-2930 for long term prophylaxis against acute attacks of HAE, T Casale, SI (2016).
227. Regeneron: Efficacy and safety of Dupilumab MAb monotherapy administered in patients with moderate to severe Atopic Dermatitis. (2017).
228. Sanofi Efc14146:Nasal Polyps: A randomized, 24 week treatment, double blind, placebo controlled efficacy and safety study of dupilumab MAb in patients with bilateral nasal polyposis on a background therapy with intranasal corticosteroids. T Casale, SI (2017).
229. Watson ACT-2015-075-0AA Severe Asthma. (2017).
230. Aimmune Peanut allergy: Oral peanut immunotherapy. (2017).
231. Mercedes Benz Allergic Asthma: Study to determine the tolerability of new car odors on patients with asthma. (2017).
232. A Phase Iii, Randomized, Multicenter, Double-Blind, Placebo-Controlled Clinical Trial Of Omalizumab In Patients With Chronic Rhinosinusitis With Nasal Polyps
233. A Double-Blind, Randomized, Placebo Controlled Study Of The Efficacy And Safety Of Three Doses Of Orvepitant In Subjects With Chronic Refractory Cough

234. Open-Label Extension Study Of Omalizumab In Patients With Chronic Rhinosinusitis With Nasal Polyps Wa40169
235. A Phase 2/3 Study Investigating The Pharmacokinetics, Safety, And Efficacy Of Dupilumab In Patients Aged ≥ 6 Months To < 6 Years With Severe Atopic Dermatitis R668-Ad-1539
236. An Open-Label Extension Study To Assess The Long-Term Safety And Efficacy Of Dupilumab In Patients ≥ 6 Months To < 18 Years Of Age With Atopic Dermatitis R668-Ad-1434
237. A Randomized, Double-Blind, Placebo-Controlled Study To Investigate The Efficacy And Safety Of Dupilumab Administered Concomitantly With Topical Corticosteroids In Patients, ≥ 6 Years To < 12 Years Of Age, With Severe Atopic Dermatitis R668-Ad-1652
238. A Phase 3 Randomized Withdrawal, Double-Blind, Placebo-Controlled, Multi-Center Study Investigating The Efficacy And Safety Of Pf-04965842 In Subjects Aged 12 Years And Over, With Moderate To Severe Atopic Dermatitis With The Option Of Rescue Treatment In Flaring Subjects B7451014
239. Chronic Refractory Cough Cohort Study (Coco)
240. Losartan Effects On Emphysema Progression (Leep)
241. A Randomized, Subject- And Investigator-Blinded, Placebo-Controlled, Multi-Center, Multiple Dose Study To Assess The Efficacy And Safety Of Cjm112 In Patients With Inadequately Controlled Moderate To Severe Asthma Ccjm112x2204
242. A Phase Ii, Multicenter, Randomized, Double-Blind, Placebo-Controlled Pilot And Dose-Ranging Study Of Gdc-0853 In Patients With Refractory Chronic Spontaneous Urticaria (Csu) Gs39684
243. A Phase Ii Open-Label Extension Study To Evaluate The Long-Term Safety And Efficacy Of Fenebrutinib In Patients Previously Enrolled In A Fenebrutinib Chronic Spontaneous Urticaria Study Gs40868
244. Help Study Extension: An Open-Label Study To Evaluate The Long-Term Safety And Efficacy Of Dx-2930 For Prevention Against Acute Attacks Of Hereditary Angioedema (Hae) Dx-2930-04
245. Real-World Ar101 Market-Supporting Experience Study In Peanut-Allergic Children, Active Treatment Arm Open-Label Extension Study (Ramses Ole) Arc011
246. A Multicenter, Open-Label, Long-Term Safety Study Of Ar101 Characterized Oral Desensitization Immunotherapy In Subjects Who Participated In A Prior Ar101 Study Arc008
247. Peanut Allergy Oral Immunotherapy Study Of Ar101 For Desensitization In Children And Adults (Palisade) Follow-On Study Arc004
248. Real-World Ar101 Market-Supporting Experience Study In Peanut-Allergic Children Ages 4 To 17 Years (Ramses) Arc007
249. A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study In Pediatric Subjects With Peanut Allergy To Evaluate The Efficacy And Safety Of Dupilumab As Adjunct To Ar101-Codit (Peanut Oral Immunotherapy) R668-Alg-16114

250. A Study To Evaluate The Efficacy And Safety Of Dupilumab Monotherapy In Pediatric Patients With Peanut Allergy R668-Alg-1702.

251. An Open-Label Extension Study to Assess the Long-Term Safety and Efficacy of Dupilumab in Patients ≥ 6 Months to < 18 Years of Age with Atopic Dermatitis R668-AD-1434—Regeneron Pharmaceuticals

252. A Randomized, Double-Blind, Placebo-Controlled Study to Investigate the Efficacy and Safety of Dupilumab Administered Concomitantly with Topical Corticosteroids in Patients, ≥ 6 Years to < 12 Years of Age, with Severe Atopic Dermatitis R668-AD-1652—Regeneron Pharmaceuticals

253. A Phase 3 Randomized Withdrawal, Double-Blind, Placebo- Controlled, Multi-Center Study Investigating the Efficacy and Safety of PF-04965842 in Subjects Aged 12 Years and Over, With Moderate to Severe Atopic Dermatitis with the Option of Rescue Treatment in Flaring Subjects B7451014---Pfizer Pharmaceuticals

254. Real-World AR101 Market-Supporting Experience Study in Peanut-Allergic Children, Active Treatment Arm Open-Label Extension Study (RAMSES OLE) ARC011---Aimmune Pharmaceuticals

255. A Multicenter, Open-Label, Long-Term Safety Study of AR101 Characterized Oral Desensitization Immunotherapy in Subjects who Participated in a Prior AR101 Study ARC008---Aimmune Pharmaceuticals

256. Peanut Allergy Oral Immunotherapy Study of AR101 for Desensitization in Children and Adults (PALSIDES) Follow-On Study ARC004---Aimmune Pharmaceuticals

257. Real-World AR101 Market-Supporting Experience Study in Peanut-Allergic Children Ages 4 to 17 Years (RAMSES) ARC007---Aimmune Pharmaceuticals

258. 24-Week Treatment Study to Compare Standard of Care Versus the eMDPI DS in Patients 13 Years or Older with Asthma

259. An Open-Label Extension Study Evaluating the Safety and Efficacy of ADP101 for Oral Immunotherapy in Food-Allergic Children and Adults (The Encore Study)

260. VLP-Peanut101: A Phase I clinical trial to evaluate the safety and tolerability of VLP Peanut in healthy subjects and subjects with peanut allergy and to explore preliminary signals of its efficacy (PROTECT)

261. A Phase 3 Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of ISIS 721744 in Patients with Hereditary Angioedema (HAE)

262. Observational study of innate and adaptive immune cells from blood of highly allergic donors

D. Pub Med Cited Publications

- 1: Riahi H, Burman SO, Casale T, Narula O, Greenberg S, Downing S, Schumer W. An experimental model of cardiomyopathy. *Surg Forum*. 1976;27(62):278-80. PMID: 1019886.
- 2: Kumpuris AG, Casale TB, Mokotoff DM, Miller RR, Luchi RJ. Right bundle-branch block. Occurrence following nonpenetrating chest trauma without evidence of cardiac contusion. *JAMA*. 1979 Jul 13;242(2):172-3. doi: 10.1001/jama.242.2.172. PMID: 448893.
- 3: Casale TB. Aplastic anemia: the disease and its management. *Postgrad Med*. 1982 Apr;71(4):59-70. doi: 10.1080/00325481.1982.11716040. PMID: 7041101.
- 4: Macher AM, Casale TB, Fauci AS. Chronic granulomatous disease of childhood and *Chromobacterium violaceum* infections in the southeastern United States. *Ann Intern Med*. 1982 Jul;97(1):51-5. doi: 10.7326/0003-4819-97-1-51. PMID: 7092006.
- 5: Casale TB, Macher AM, Fauci AS. Complete hematologic and hepatic recovery in a patient with chloramphenicol hepatitis-pancytopenia syndrome. *J Pediatr*. 1982 Dec;101(6):1025-7. doi: 10.1016/s0022-3476(82)80038-3. PMID: 7143157.
- 6: Casale TB, Kaliner M. A rapid method for isolation of human mononuclear cells free of significant platelet contamination. *J Immunol Methods*. 1982 Dec 30;55(3):347-53. doi: 10.1016/0022-1759(82)90094-1. PMID: 7166649.
- 7: Macher AM, Casale TB, Gallin JI, Boltansky H, Fauci AS. *Chromobacterium violaceum* infectious and chronic granulomatous disease. *Ann Intern Med*. 1983 Feb;98(2):259. doi: 10.7326/0003-4819-98-2-259_2. PMID: 6824267.
- 8: Marom Z, Casale TB. Mast cells and their mediators. *Ann Allergy*. 1983 Jun;50(6):367-70. PMID: 6190421.
- 9: Casale TB, Marom Z. Mast cells and asthma. The role of mast cell mediators in the pathogenesis of allergic asthma. *Ann Allergy*. 1983 Jul;51(1 Pt 1):2-6. PMID: 6307082.
- 10: Casale TB, Halonen M, Kaliner M. Detection of beta-adrenergic receptors on rabbit mononuclear cells isolated free of significant contamination by other cell types. *Life Sci*. 1983 Sep 5;33(10):971-7. doi:10.1016/0024-3205(83)90753-1. PMID: 6310289.
- 11: Casale TB. The role of the autonomic nervous system in allergic diseases. *Ann Allergy*. 1983 Oct;51(4):423-9. PMID: 6354006.
- 12: Casale TB, Friedman M, Parada N, Plekes J, Kaliner M. Preparation of a human lung purified plasma membrane fraction: confirmation by enzyme markers, electron microscopy, and histamine H1 receptor binding. *J Membr Biol*. 1984;79(1):33-9. doi: 10.1007/BF01868524. PMID: 6330364.

- 13: Casale TB, Macher AM, Fauci AS. Concomitant pulmonary aspergillosis and nocardiosis in a patient with chronic granulomatous disease of childhood. *South Med J*. 1984 Feb;77(2):274-5. doi: 10.1097/00007611-198402000-00042. PMID: 6701605.
- 14: Casale TB, Kaliner M. Pathophysiology of asthma. *Ear Nose Throat J*. 1984 Feb;63(2):8, 10-2, 15 passim. PMID: 6705724.
- 15: Spitalny KC, Farnham JE, Witherell LE, Vogt RL, Fox RC, Kaliner M, Casale TB. Alpine slide anaphylaxis. *N Engl J Med*. 1984 Apr 19;310(16):1034-7. doi: 10.1056/NEJM198404193101607. PMID: 6708978.
- 16: Casale TB, Shelhamer JH, Parrillo JE, Kaliner MA. Dopamine inhibition of histamine-mediated cutaneous responses. *J Allergy Clin Immunol*. 1984 Jun;73(6):837-41. doi: 10.1016/0091-6749(84)90456-1. PMID: 6202732.
- 17: Casale TB, Bowman S, Kaliner M. Induction of human cutaneous mast cell degranulation by opiates and endogenous opioid peptides: evidence for opiate and nonopiate receptor participation. *J Allergy Clin Immunol*. 1984 Jun;73(6):775-81. doi: 10.1016/0091-6749(84)90447-0. PMID: 6327790.
- 18: Casale TB, Kaliner M. Demonstration that circulating human blood cells have no detectable alpha 1-adrenergic receptors by radioligand binding analysis. *J Allergy Clin Immunol*. 1984 Dec;74(6):812-8. doi: 10.1016/0091-6749(84)90184-2. PMID: 6094641.
- 19: Casale TB, Wescott S, Rodbard D, Kaliner M. Characterization of histamine H-1 receptors on human mononuclear cells. *Int J Immunopharmacol*. 1985;7(5):639-45. doi: 10.1016/0192-0561(85)90147-x. PMID: 4044092.
- 20: Casale TB, Rodbard D, Kaliner M. Characterization of histamine H-1 receptors on human peripheral lung. *Biochem Pharmacol*. 1985 Sep 15;34(18):3285-92. doi: 10.1016/0006-2952(85)90347-8. PMID: 2994680.
- 21: Casale TB, Keahey TM, Kaliner M. Exercise-induced anaphylactic syndromes. Insights into diagnostic and pathophysiologic features. *JAMA*. 1986 Apr 18;255(15):2049-53. PMID: 3514973.
- 22: Sertl K, Casale TB, Wescott SL, Kaliner MA. Immunohistochemical localization of histamine-stimulated increases in cyclic GMP in guinea pig lung. *Am Rev Respir Dis*. 1987 Feb;135(2):456-62. doi: 10.1164/arrd.1987.135.2.456. PMID: 2433977.
- 23: Casale TB, Wood D, Richerson HB, Trapp S, Metzger WJ, Zavala D, Hunninghake GW. Elevated bronchoalveolar lavage fluid histamine levels in allergic asthmatics are associated with methacholine bronchial hyperresponsiveness. *J Clin Invest*. 1987 Apr;79(4):1197-203. doi: 10.1172/JCI112937. PMID: 3549781; PMCID: PMC424309.
- 24: Casale TB, Rhodes BJ, Donnelly AL, Weiler JM. Airway responses to methacholine in asymptomatic nonatopic cigarette smokers. *J Appl Physiol* (1985).

1987 May;62(5):1888-92. doi: 10.1152/jappl.1987.62.5.1888. PMID: 3298197.

25: Casale TB, Wood D, Wescott S, Kaliner M. Immunohistochemical identification of lung cells responsive to beta-stimulation with a rise in cAMP. *J Appl Physiol* (1985). 1987 Jul;63(1):434-9. doi: 10.1152/jappl.1987.63.1.434. PMID: 2442131.

26: Casale TB, Hart JE. (-)[125I]pindolol binding to human peripheral lung beta-receptors. *Biochem Pharmacol*. 1987 Aug 1;36(15):2557-64. doi: 10.1016/0006-2952(87)90530-2. PMID: 3038128.

27: Joad JP, Casale TB. Comparison of two radiolabeled quinuclidinyl benzilate ligands for the characterization of the human peripheral lung muscarinic receptor. *Life Sci*. 1987 Sep 28;41(13):1577-84. doi: 10.1016/0024-3205(87)90724-7. PMID: 3626772.

28: Casale TB, Wood D, Richerson HB, Zehr B, Zavala D, Hunninghake GW. Direct evidence of a role for mast cells in the pathogenesis of antigen-induced bronchoconstriction. *J Clin Invest*. 1987 Nov;80(5):1507-11. doi: 10.1172/JCI113234. PMID: 3680512; PMCID: PMC442412.

29: Casale TB. Neuromechanisms of asthma. *Ann Allergy*. 1987 Dec;59(6):391-8. PMID: 2827541.

30: Joad JP, Casale TB. [3H]quinuclidinyl benzilate binding to the human lung muscarinic receptor. *Biochem Pharmacol*. 1988 Mar 1;37(5):973-6. doi: 10.1016/0006-2952(88)90193-1. PMID: 3345208.

31: Casale TB, Rhodes BJ, Donnelly AL, Weiler JM. Airway reactivity to methacholine in nonatopic asymptomatic adults. *J Appl Physiol* (1985). 1988 Jun;64(6):2558-61. doi: 10.1152/jappl.1988.64.6.2558. PMID: 3042735.

32: Joad J, Casale TB. Histamine and airway caliber. *Ann Allergy*. 1988 Jul;61(1):1-7. PMID: 3291648.

33: LaMarte FP, Merchant JA, Casale TB. Acute systemic reactions to carbonless copy paper associated with histamine release. *JAMA*. 1988 Jul 8;260(2):242-3. PMID: 2455072.

34: Casale TB, Ecklund P. Characterization of muscarinic receptor subtypes on human peripheral lung. *J Appl Physiol* (1985). 1988 Aug;65(2):594-600. doi: 10.1152/jappl.1988.65.2.594. PMID: 3170410.

35: Casale TB, Busse WW, Casale TB, Kaliner MA, Said SI, Barnes PJ. Neuropeptides in the pathogenesis of lung inflammation. *Am Rev Respir Dis*. 1988 Oct;138(4):1053-5. PMID: 3202433.

36: Casale TB, Sampson HA, Hanifin J, Kaplan AP, Kulczycki A, Lawrence ID, Lemanske RF, Levine MI, Lillie MA. Guide to physical urticarias. *J Allergy Clin Immunol*. 1988 Nov;82(5 Pt 1):758-63. doi: 10.1016/0091-6749(88)90076-0. PMID: 3057040.

- 37: Casale TB, Trapp S, Zehr B, Hunninghake GW. Bronchoalveolar lavage fluid histamine levels in interstitial lung diseases. *Am Rev Respir Dis*. 1988 Dec;138(6):1604-8. doi: 10.1164/ajrccm/138.6.1604. PMID: 3202511.
- 38: Casale TB. The interaction of azelastine with human lung histamine H1, beta, and muscarinic receptor-binding sites. *J Allergy Clin Immunol*. 1989 Apr;83(4):771-6. doi: 10.1016/0091-6749(89)90013-4. PMID: 2540229.
- 39: Little MM, Casale TB. Azelastine inhibits IgE-mediated human basophil histamine release. *J Allergy Clin Immunol*. 1989 May;83(5):862-5. doi: 10.1016/0091-6749(89)90096-1. PMID: 2469707.
- 40: Zehr BB, Casale TB, Wood D, Floerchinger C, Richerson HB, Hunninghake GW. Use of segmental airway lavage to obtain relevant mediators from the lungs of asthmatic and control subjects. *Chest*. 1989 May;95(5):1059-63. doi: 10.1378/chest.95.5.1059. PMID: 2539958.
- 41: Little MM, Wood DR, Casale TB. Azelastine inhibits stimulated histamine release from human lung tissue in vitro but does not alter cyclic nucleotide content. *Agents Actions*. 1989 Aug;28(1-2):16-21. doi: 10.1007/BF02022975. PMID: 2476920.
- 42: Casale TB, Little MM, Furst D, Wood D, Hunninghake GW. Elevated BAL fluid histamine levels and parenchymal pulmonary disease in rheumatoid arthritis. *Chest*. 1989 Nov;96(5):1016-21. doi: 10.1378/chest.96.5.1016. PMID: 2805829.
- 43: Casale TB, Ballas ZK, Kaliner MA, Keahey TM. The effects of intravenous endotoxin on various host-effector molecules. *J Allergy Clin Immunol*. 1990 Jan;85(1 Pt 1):45-51. doi: 10.1016/0091-6749(90)90219-t. PMID: 2137152.
- 44: Casale TB, Abbas MK. Comparison of leukotriene B4-induced neutrophil migration through different cellular barriers. *Am J Physiol*. 1990 Apr;258(4 Pt 1):C639-47. doi: 10.1152/ajpcell.1990.258.4.C639. PMID: 2159214.
- 45: Carolan EJ, Casale TB. Degree of platelet activating factor-induced neutrophil migration is dependent upon the molecular species. *J Immunol*. 1990 Oct 15;145(8):2561-5. PMID: 2170519.
- 46: Haley PJ, Schuyler M, Gott K, Casale TB. Mast cell hyperplasia in experimental hypersensitivity pneumonitis. *Int Arch Allergy Appl Immunol*. 1991;96(2):168-74. doi: 10.1159/000235489. PMID: 1769746.
- 47: Casale TB, Abbas MK. Effects of various barriers on platelet-activating factor-induced neutrophil chemotaxis. *J Allergy Clin Immunol*. 1991 Feb;87(2):565-74. doi: 10.1016/0091-6749(91)90016-h. PMID: 1993814.
- 48: Cavanah DK, Casale TB. Cutaneous responses to anticholinergics: evidence for muscarinic receptor subtype participation. *J Allergy Clin Immunol*. 1991 May;87(5):971-6. doi: 10.1016/0091-6749(91)90419-o. PMID: 2026847.
- 49: Casale TB. Neuropeptides and the lung. *J Allergy Clin Immunol*. 1991

Jul;88(1):1-14. doi: 10.1016/0091-6749(91)90292-v. PMID: 1649209.

50: Little MM, Casale TB. Comparison of platelet-activating factor-induced chemotaxis of normodense and hypodense eosinophils. *J Allergy Clin Immunol.* 1991 Aug;88(2):187-92. doi: 10.1016/0091-6749(91)90327-k. PMID: 1880319.

51: Cromar BW, Colvin M, Casale TB. Validity of skin tests to cyclophosphamide and metabolites. *J Allergy Clin Immunol.* 1991 Dec;88(6):965-7. doi: 10.1016/0091-6749(91)90256-n. PMID: 1744368.

52: Blumenthal M, Casale T, Dockhorn R, Jarmoszuk I, Kaiser H, Smith R, Zeitz HJ. Efficacy and safety of nedocromil sodium ophthalmic solution in the treatment of seasonal allergic conjunctivitis. *Am J Ophthalmol.* 1992 Jan 15;113(1):56-63. doi: 10.1016/s0002-9394(14)75754-x. PMID: 1309410.

53: Sogn DD, Evans R 3rd, Shepherd GM, Casale TB, Condemi J, Greenberger PA, Kohler PF, Saxon A, Summers RJ, VanArsdel PP Jr, et al. Results of the National Institute of Allergy and Infectious Diseases Collaborative Clinical Trial to test the predictive value of skin testing with major and minor penicillin derivatives in hospitalized adults. *Arch Intern Med.* 1992 May;152(5):1025-32. PMID: 1580706.

54: Casale TB, Abbas MK, Carolan EJ. Degree of neutrophil chemotaxis is dependent upon the chemoattractant and barrier. *Am J Respir Cell Mol Biol.* 1992 Jul;7(1):112-7. doi: 10.1165/ajrcmb/7.1.112. PMID: 1320901.

55: Erger RA, Casale TB. Comparison of methodologies to measure human lung histamine. *J Immunol Methods.* 1992 Jul 31;152(1):115-21. doi: 10.1016/0022-1759(92)90094-a. PMID: 1640106.

56: Carolan EJ, Casale TB. Effects of nedocromil sodium and WEB 2086 on chemoattractant-stimulated neutrophil migration through cellular and noncellular barriers. *Ann Allergy.* 1992 Oct;69(4):323-8. PMID: 1329582.

57: Casale TB, Erger RA, Little MM. Platelet-activating factor-induced human eosinophil transendothelial migration: evidence for a dynamic role of the endothelium. *Am J Respir Cell Mol Biol.* 1993 Jan;8(1):77-82. doi: 10.1165/ajrcmb/8.1.77. PMID: 8380250.

58: Casale TB. Acute effects of in vitro mast cell degranulation on human lung muscarinic receptors. *Am Rev Respir Dis.* 1993 Apr;147(4):940-5. doi: 10.1164/ajrccm/147.4.940. PMID: 7682044.

59: Donnelly A, Casale TB. Nedocromil sodium is rapidly effective in the therapy of seasonal allergic rhinitis. *J Allergy Clin Immunol.* 1993 May;91(5):997-1004. doi: 10.1016/0091-6749(93)90212-x. PMID: 8388007.

60: Carolan EJ, Casale TB. Effects of neuropeptides on neutrophil migration through noncellular and endothelial barriers. *J Allergy Clin Immunol.* 1993 Oct;92(4):589-98. doi: 10.1016/0091-6749(93)90083-r. PMID: 7691915.

- 61: Smart SJ, Casale TB. Interleukin-8-induced transcellular neutrophil migration is facilitated by endothelial and pulmonary epithelial cells. *Am J Respir Cell Mol Biol*. 1993 Nov;9(5):489-95. doi: 10.1165/ajrcmb/9.5.489. PMID: 8217189.
- 62: Smart SJ, Casale TB. TNF-alpha-induced transendothelial neutrophil migration is IL-8 dependent. *Am J Physiol*. 1994 Mar;266(3 Pt 1):L238-45. doi: 10.1152/ajplung.1994.266.3.L238. PMID: 8166294.
- 63: Smart SJ, Casale TB. Pulmonary epithelial cells facilitate TNF-alpha-induced neutrophil chemotaxis. A role for cytokine networking. *J Immunol*. 1994 Apr 15;152(8):4087-94. PMID: 8144974.
- 64: Bittleman DB, Stapleton J, Casale TB. Report of successful desensitization to itraconazole. *J Allergy Clin Immunol*. 1994 Aug;94(2 Pt 1):270-1. doi: 10.1016/0091-6749(94)90054-x. PMID: 8064084.
- 65: Bittleman DB, Casale TB. Allergic models and cytokines. *Am J Respir Crit Care Med*. 1994 Nov;150(5 Pt 2):S72-6. doi: 10.1164/ajrccm/150.5_Pt_2.S72. PMID: 7952597.
- 66: Erger RA, Casale TB. Comparative studies indicate that platelet-activating factor is a relatively weak eosinophilotactic mediator. *Am J Respir Cell Mol Biol*. 1995 Jan;12(1):65-70. doi: 10.1165/ajrcmb.12.1.7811471. PMID: 7811471.
- 67: Erger RA, Casale TB. Interleukin-8 is a potent mediator of eosinophil chemotaxis through endothelium and epithelium. *Am J Physiol*. 1995 Jan;268(1 Pt 1):L117-22. doi: 10.1152/ajplung.1995.268.1.L117. PMID: 7840216.
- 68: Bittleman DB, Casale TB. 5-Hydroxyeicosatetraenoic acid (HETE)-induced neutrophil transcellular migration is dependent upon enantiomeric structure. *Am J Respir Cell Mol Biol*. 1995 Mar;12(3):260-7. doi: 10.1165/ajrcmb.12.3.7873191. PMID: 7873191.
- 69: Donnelly AL, Glass M, Minkwitz MC, Casale TB. The leukotriene D4-receptor antagonist, ICI 204,219, relieves symptoms of acute seasonal allergic rhinitis. *Am J Respir Crit Care Med*. 1995 Jun;151(6):1734-9. doi: 10.1164/ajrccm.151.6.7767514. PMID: 7767514.
- 70: Bittleman DB, Casale TB. Interleukin-8 mediates interleukin-1 alpha-induced neutrophil transcellular migration. *Am J Respir Cell Mol Biol*. 1995 Sep;13(3):323-9. doi: 10.1165/ajrcmb.13.3.7654388. PMID: 7654388.
- 71: Donnelly A, Bernstein DI, Goldstein S, Grossman J, Schwartz HJ, Casale TB. Speed of onset of action of Tilarin. *Allergy*. 1996;51(28 Suppl):14-9. doi: 10.1111/j.1398-9995.1996.tb04774.x. PMID: 8651472; PMCID: PMC7159486.
- 72: Bittleman DB, Erger RA, Casale TB. Cytokines induce selective granulocyte chemotactic responses. *Inflamm Res*. 1996 Feb;45(2):89-95. doi: 10.1007/BF02265121. PMID: 8907590.

- 73: Erger RA, Casale TB. Eosinophil migration in response to three molecular species of platelet activating factor. *Inflamm Res*. 1996 Jun;45(6):265-7. doi: 10.1007/BF02280988. PMID: 8814455.
- 74: Casale TB, Costa JJ, Galli SJ. TNF alpha is important in human lung allergic reactions. *Am J Respir Cell Mol Biol*. 1996 Jul;15(1):35-44. doi: 10.1165/ajrcmb.15.1.8679220. PMID: 8679220.
- 75: Carolan EJ, Casale TB. Neutrophil transepithelial migration is dependent upon epithelial characteristics. *Am J Respir Cell Mol Biol*. 1996 Aug;15(2):224-31. doi: 10.1165/ajrcmb.15.2.8703478. PMID: 8703478.
- 76: Casale TB. Effects of in vitro mast cell degranulation on human lung beta-receptor binding parameters. *Ann Allergy Asthma Immunol*. 1996 Aug;77(2):140-6. doi: 10.1016/S1081-1206(10)63500-4. PMID: 8760780.
- 77: Rozell MD, Erger RA, Casale TB. Isolation technique alters eosinophil migration response to IL-8. *J Immunol Methods*. 1996 Oct 16;197(1-2):97-107. doi: 10.1016/0022-1759(96)00132-9. PMID: 8890897.
- 78: Erger RA, Sahl B, Casale TB. Human lung anaphylaxis results in rapid release of interleukin-4. *Ann Allergy Asthma Immunol*. 1997 Jun;78(6):566-8. doi: 10.1016/S1081-1206(10)63216-4. PMID: 9207719.
- 79: Casale TB, Bernstein IL, Busse WW, LaForce CF, Tinkelman DG, Stoltz RR, Dockhorn RJ, Reimann J, Su JQ, Fick RB Jr, Adelman DC. Use of an anti-IgE humanized monoclonal antibody in ragweed-induced allergic rhinitis. *J Allergy Clin Immunol*. 1997 Jul;100(1):110-21. doi: 10.1016/s0091-6749(97)70202-1. PMID: 9257795.
- 80: Carolan EJ, Mower DA, Casale TB. Cytokine-induced neutrophil transepithelial migration is dependent upon epithelial orientation. *Am J Respir Cell Mol Biol*. 1997 Dec;17(6):727-32. doi: 10.1165/ajrcmb.17.6.2745. PMID: 9409559.
- 81: Erger RA, Casale TB. Tumor necrosis factor alpha is necessary for granulocyte-macrophage-colony-stimulating-factor-induced eosinophil transendothelial migration. *Int Arch Allergy Immunol*. 1998 Jan;115(1):24-32. doi: 10.1159/000023826. PMID: 9430492.
- 82: Blumenthal MN, Casale TB, Fink JN, Uryniak T, Casty FE. Evaluation of a non-chlorofluorocarbon formulation of cromolyn sodium (Intal) metered-dose inhaler versus the chlorofluorocarbon formulation in the treatment of adult patients with asthma: a controlled trial. *J Allergy Clin Immunol*. 1998 Jan;101(1 Pt 1):7-13. doi: 10.1016/S0091-6749(98)70186-1. PMID: 9449494.
- 83: Erger RA, Casale TB. Interleukin-8 plays a significant role in IgE-mediated lung inflammation. *Eur Respir J*. 1998 Feb;11(2):299-305. doi: 10.1183/09031936.98.11020299. PMID: 9551728.
- 84: Peralta FM, Casale TB. Orientation and presence of epithelium are key to endotoxin-induced neutrophil migration. *Eur Respir J*. 1998 May;11(5):1053-9.

doi: 10.1183/09031936.98.11051053. PMID: 9648954.

85: Creticos P, Fireman P, Settipane G, Bernstein D, Casale T, Schwartz H. Intranasal budesonide aqueous pump spray (Rhinocort Aqua) for the treatment of seasonal allergic rhinitis. Rhinocort Aqua Study Group. *Allergy Asthma Proc.* 1998 Sep-Oct;19(5):285-94. doi: 10.2500/108854198778557692. PMID: 9801742.

86: Casale TB, Mower DA, Carolan EJ. The sequential migration of neutrophils through endothelium and epithelium: a new model system. *Exp Lung Res.* 1998 Nov-Dec;24(6):709-19. doi: 10.3109/01902149809099591. PMID: 9839160.

87: Busse WW, Casale TB, Murray JJ, Petrocella V, Cox F, Rickard K. Efficacy, safety, and impact on quality of life of salmeterol in patients with moderate persistent asthma. *Am J Manag Care.* 1998 Nov;4(11):1579-87. PMID: 10338904.

88: Casale TB, Carolan EJ. Cytokine-induced sequential migration of neutrophils through endothelium and epithelium. *Inflamm Res.* 1999 Jan;48(1):22-7. doi: 10.1007/s000110050379. PMID: 9987679.

89: Casale TB, Azzam SM, Miller RE, Oren J. Demonstration of therapeutic equivalence of generic and innovator beclomethasone in seasonal allergic rhinitis. SAR Study Group. *Ann Allergy Asthma Immunol.* 1999 May;82(5):435-41. doi: 10.1016/s1081-1206(10)62717-2. PMID: 10353573.

90: Casale TB, Andrade C, Qu R. Safety and efficacy of once-daily fexofenadine HCl in the treatment of autumn seasonal allergic rhinitis. *Allergy Asthma Proc.* 1999 May-Jun;20(3):193-8. doi: 10.2500/108854199778553046. PMID: 10389553.

91: McFadden ER, Casale TB, Edwards TB, Kemp JP, Metzger WJ, Nelson HS, Storms WW, Neidl MJ. Administration of budesonide once daily by means of turbuhaler to subjects with stable asthma. *J Allergy Clin Immunol.* 1999 Jul;104(1):46-52. doi: 10.1016/s0091-6749(99)70112-0. PMID: 10400838.

92: Casale TB, Erger RA, Rozell MD. Eosinophils isolated by magnetic cell sorting respond poorly to lipid chemoattractants. *Ann Allergy Asthma Immunol.* 1999 Aug;83(2):127-31. doi: 10.1016/S1081-1206(10)62623-3. PMID: 10480585.

93: Meltzer EO, Casale TB, Nathan RA, Thompson AK. Once-daily fexofenadine HCl improves quality of life and reduces work and activity impairment in patients with seasonal allergic rhinitis. *Ann Allergy Asthma Immunol.* 1999 Oct;83(4):311-7. doi: 10.1016/S1081-1206(10)62671-3. PMID: 10541423.

94: Casale TB, Carolan EJ. Combination of IL-8 plus TNF alpha induces additive neutrophil migration. *Allergy Asthma Proc.* 1999 Nov-Dec;20(6):361-3. doi: 10.2500/108854199778251852. PMID: 10624491.

95: Stokes JR, Hartel R, Ford LB, Casale TB. Cannabis (hemp) positive skin tests and respiratory symptoms. *Ann Allergy Asthma Immunol.* 2000 Sep;85(3):238-40. doi: 10.1016/S1081-1206(10)62473-8. PMID: 11030280.

96: Casale TB, Amin BV. Allergic rhinitis/asthma interrelationships. *Clin Rev*

Allergy Immunol. 2001 Aug;21(1):27-49. doi: 10.1385/CRIAI:21:1:27. PMID: 11471339.

97: Casale TB. Experience with monoclonal antibodies in allergic mediated disease: seasonal allergic rhinitis. *J Allergy Clin Immunol*. 2001 Aug;108(2 Suppl):S84-8. doi: 10.1067/mai.2001.116433. PMID: 11498678.

98: Casale TB. Anti-immunoglobulin E (omalizumab) therapy in seasonal allergic rhinitis. *Am J Respir Crit Care Med*. 2001 Oct 15;164(8 Pt 2):S18-21. doi: 10.1164/ajrccm.164.supplement_1.2103023. PMID: 11704613.

99: Casale TB, Nelson HS, Stricker WE, Raff H, Newman KB. Suppression of hypothalamic-pituitary-adrenal axis activity with inhaled flunisolide and fluticasone propionate in adult asthma patients. *Ann Allergy Asthma Immunol*. 2001 Nov;87(5):379-85. doi: 10.1016/S1081-1206(10)62918-3. PMID: 11730179.

100: Casale TB, Condemi J, LaForce C, Nayak A, Rowe M, Watrous M, McAlary M, Fowler-Taylor A, Racine A, Gupta N, Fick R, Della Cioppa G; Omalizumab Seasonal Allergic Rhinitis Trail Group. Effect of omalizumab on symptoms of seasonal allergic rhinitis: a randomized controlled trial. *JAMA*. 2001 Dec 19;286(23):2956-67. doi: 10.1001/jama.286.23.2956. PMID: 11743836.

101: Nelson HS, Stricker W, Casale TB, Raff H, Fourné JA, Aron DC, Newman KB. A comparison of methods for assessing hypothalamic-pituitary-adrenal (HPA) axis activity in asthma patients treated with inhaled corticosteroids. *J Clin Pharmacol*. 2002 Mar;42(3):319-26. doi: 10.1177/00912700222011355. PMID: 11865969.

102: Oppenheimer JJ, Casale TB. Next generation antihistamines: therapeutic rationale, accomplishments and advances. *Expert Opin Investig Drugs*. 2002 Jun;11(6):807-17. doi: 10.1517/13543784.11.6.807. PMID: 12036424.

103: Corren J, Casale T. Immunomodulation of asthma: where do we stand? *Curr Allergy Asthma Rep*. 2002 Nov;2(6):433-5. doi: 10.1007/s11882-002-0078-y. PMID: 12359111.

104: Lin H, Casale TB. Treatment of allergic asthma. *Am J Med*. 2002 Dec 16;113 Suppl 9A:8S-16S. doi: 10.1016/s0002-9343(02)01432-8. PMID: 12517577.

105: Corren J, Casale T, Deniz Y, Ashby M. Omalizumab, a recombinant humanized anti-IgE antibody, reduces asthma-related emergency room visits and hospitalizations in patients with allergic asthma. *J Allergy Clin Immunol*. 2003 Jan;111(1):87-90. doi: 10.1067/mai.2003.49. PMID: 12532101.

106: Meltzer EO, Casale TB, Gold MS, O'Connor R, Reitberg D, del Rio E, Weiler JM, Weiler K. Efficacy and safety of clemastine-pseudoephedrine-acetaminophen versus pseudoephedrine-acetaminophen in the treatment of seasonal allergic rhinitis in a 1-day, placebo-controlled park study. *Ann Allergy Asthma Immunol*. 2003 Jan;90(1):79-86. doi: 10.1016/S1081-1206(10)63618-6. PMID: 12546342.

107: Casale TB. Small airway inflammation: a new therapeutic target in asthma.

- Introduction. *Postgrad Med.* 2003 Feb;113(2 Suppl):5-6. doi: 10.3810/pgm.02.2003.suppl25.130. PMID: 19667622.
- 108: Casale TB. The pathophysiology of small airway inflammation in asthma. *Postgrad Med.* 2003 Feb;113(2 Suppl):7-12. doi: 10.3810/pgm.02.2003.suppl25.131. PMID: 19667623.
- 109: Casale TB. Asthma: imaging of the smaller airways. *Postgrad Med.* 2003 Feb;113(2 Suppl):13-4. doi: 10.3810/pgm.02.2003.suppl25.132. PMID: 19667624.
- 110: Casale TB. Small airway asthma therapy, challenges, and the future. *Postgrad Med.* 2003 Feb;113(2 Suppl):15-20. doi: 10.3810/pgm.02.2003.suppl25.133. PMID: 19667625.
- 111: Casale TB, Nelson HS, Kemp J, Parasuraman B, Uryniak T, Liljas B. Budesonide Turbuhaler delivered once daily improves health-related quality of life and maintains improvements with a stepped-down dose in adults with mild to moderate asthma. *Ann Allergy Asthma Immunol.* 2003 Mar;90(3):323-30. doi: 10.1016/S1081-1206(10)61801-7. PMID: 12669896.
- 112: Pauwels RA, Pedersen S, Busse WW, Tan WC, Chen YZ, Ohlsson SV, Ullman A, Lamm CJ, O'Byrne PM; START Investigators Group. Early intervention with budesonide in mild persistent asthma: a randomised, double-blind trial. *Lancet.* 2003 Mar 29;361(9363):1071-6. doi: 10.1016/S0140-6736(03)12891-7. PMID: 12672309.
- 113: Casale TB, Blaiss MS, Gelfand E, Gilmore T, Harvey PD, Hindmarch I, Simons FE, Spangler DL, Szeffler SJ, Terndrup TE, Waldman SA, Weiler J, Wong DF; Antihistamine Impairment Roundtable. First do no harm: managing antihistamine impairment in patients with allergic rhinitis. *J Allergy Clin Immunol.* 2003 May;111(5):S835-42. doi: 10.1067/mai.2003.1550. PMID: 12743547.
- 114: Chervinsky P, Casale T, Townley R, Tripathy I, Hedgecock S, Fowler-Taylor A, Shen H, Fox H. Omalizumab, an anti-IgE antibody, in the treatment of adults and adolescents with perennial allergic rhinitis. *Ann Allergy Asthma Immunol.* 2003 Aug;91(2):160-7. doi: 10.1016/S1081-1206(10)62171-0. PMID: 12952110.
- 115: Nayak A, Casale T, Miller SD, Condemi J, McAlary M, Fowler-Taylor A, Della Cioppa G, Gupta N. Tolerability of retreatment with omalizumab, a recombinant humanized monoclonal anti-IgE antibody, during a second ragweed pollen season in patients with seasonal allergic rhinitis. *Allergy Asthma Proc.* 2003 Sep-Oct;24(5):323-9. PMID: 14619332.
- 116: Gottlieb AB, Casale TB, Frankel E, Goffe B, Lowe N, Ochs HD, Roberts JL, Washenik K, Vaishnaw AK, Gordon KB. CD4+ T-cell-directed antibody responses are maintained in patients with psoriasis receiving alefacept: results of a randomized study. *J Am Acad Dermatol.* 2003 Nov;49(5):816-25. doi: 10.1016/s0190-9622(03)01836-x. PMID: 14576659.
- 117: Prussin C, Griffith DT, Boesel KM, Lin H, Foster B, Casale TB. Omalizumab treatment downregulates dendritic cell FcεpsilonR1 expression. *J Allergy Clin*

Immunol. 2003 Dec;112(6):1147-54. doi: 10.1016/j.jaci.2003.10.003. PMID: 14657874.

118: Lin H, Boesel KM, Griffith DT, Prussin C, Foster B, Romero FA, Townley R, Casale TB. Omalizumab rapidly decreases nasal allergic response and FcepsilonRI on basophils. *J Allergy Clin Immunol*. 2004 Feb;113(2):297-302. doi: 10.1016/j.jaci.2003.11.044. PMID: 14767445.

119: Casale TB, Dykewicz MS. Clinical implications of the allergic rhinitis-asthma link. *Am J Med Sci*. 2004 Mar;327(3):127-38. doi: 10.1097/00000441-200403000-00004. PMID: 15090751.

120: Casale TB; Prous Science. Omalizumab: an effective anti-IgE treatment for allergic asthma and rhinitis. *Drugs Today (Barc)*. 2004 Apr;40(4):367-76. doi: 10.1358/dot.2004.40.4.820082. PMID: 15190389.

121: Casale TB. Status of immunotherapy: current and future. *J Allergy Clin Immunol*. 2004 Jun;113(6):1036-9. doi: 10.1016/j.jaci.2004.04.017. PMID: 15208579.

122: Stokes J, Casale TB. Rationale for new treatments aimed at IgE immunomodulation. *Ann Allergy Asthma Immunol*. 2004 Sep;93(3):212-7; quiz 217-9, 271. doi: 10.1016/S1081-1206(10)61490-1. PMID: 15478378.

123: Brownell J, Casale TB. Anti-IgE therapy. *Immunol Allergy Clin North Am*. 2004 Nov;24(4):551-68, v. doi: 10.1016/j.iac.2004.06.002. PMID: 15474858.

124: Holgate S, Casale T, Wenzel S, Bousquet J, Deniz Y, Reisner C. The anti-inflammatory effects of omalizumab confirm the central role of IgE in allergic inflammation. *J Allergy Clin Immunol*. 2005 Mar;115(3):459-65. doi: 10.1016/j.jaci.2004.11.053. PMID: 15753888.

125: Stokes J, Kessler R, Philip G, Casale TB. Ragweed skin test responsiveness correlates with specific immunoglobulin E levels. *Allergy Asthma Proc*. 2005 Mar-Apr;26(2):103-7. PMID: 15971467.

126: Holgate ST, Djukanović R, Casale T, Bousquet J. Anti-immunoglobulin E treatment with omalizumab in allergic diseases: an update on anti-inflammatory activity and clinical efficacy. *Clin Exp Allergy*. 2005 Apr;35(4):408-16. doi: 10.1111/j.1365-2222.2005.02191.x. PMID: 15836747.

127: Lai L, Casale TB, Stokes J. Pediatric allergic rhinitis: treatment. *Immunol Allergy Clin North Am*. 2005 May;25(2):283-99, vi. doi: 10.1016/j.iac.2005.02.003. PMID: 15878456.

128: Kostis JB, Kim HJ, Rusnak J, Casale T, Kaplan A, Corren J, Levy E. Incidence and characteristics of angioedema associated with enalapril. *Arch Intern Med*. 2005 Jul 25;165(14):1637-42. doi: 10.1001/archinte.165.14.1637. PMID: 16043683.

129: Chiang DT, Clark J, Casale TB. Omalizumab in asthma: approval and

postapproval experience. *Clin Rev Allergy Immunol*. 2005 Aug;29(1):3-16. doi: 10.1385/CRIAI:29:1:003. PMID: 16222080.

130: Casale TB, Busse WW, Kline JN, Ballas ZK, Moss MH, Townley RG, Mokhtarani M, Seyfert-Margolis V, Asare A, Bateman K, Deniz Y; Immune Tolerance Network Group. Omalizumab pretreatment decreases acute reactions after rush immunotherapy for ragweed-induced seasonal allergic rhinitis. *J Allergy Clin Immunol*. 2006 Jan;117(1):134-40. doi: 10.1016/j.jaci.2005.09.036. Epub 2005 Dec 2. PMID: 16387596.

131: Busse WW, Casale TB, Dykewicz MS, Meltzer EO, Bird SR, Hustad CM, Grant E, Zeldin RK, Edelman JM. Efficacy of montelukast during the allergy season in patients with chronic asthma and seasonal aeroallergen sensitivity. *Ann Allergy Asthma Immunol*. 2006 Jan;96(1):60-8. doi: 10.1016/S1081-1206(10)61041-1. PMID: 16440534.

132: Brownell J, Lin H, Bewtra A, Townley R, Casale TB. Necrotizing pneumonia with a questionable lung mass in a 59-year-old man. *Ann Allergy Asthma Immunol*. 2006 Jan;96(1):116-21. doi: 10.1016/S1081-1206(10)61050-2. PMID: 16440543.

133: Stokes J, Fenstad E, Casale TB. Managing impairment in patients with allergic rhinitis. *Allergy Asthma Proc*. 2006 Jan-Feb;27(1):12-6. PMID: 16598987.

134: Clark J, Chiang D, Casale TB. Omalizumab in the treatment of allergic respiratory disease. *J Asthma*. 2006 Mar;43(2):87-93. doi: 10.1080/02770900500497891. PMID: 16517423.

135: Parks KW, Casale TB. Anti-immunoglobulin E monoclonal antibody administered with immunotherapy. *Allergy Asthma Proc*. 2006 Mar-Apr;27(2 Suppl 1):S33-6. PMID: 16722330.

136: Bateman E, Karpel J, Casale T, Wenzel S, Banerji D. Ciclesonide reduces the need for oral steroid use in adult patients with severe, persistent asthma. *Chest*. 2006 May;129(5):1176-87. doi: 10.1378/chest.129.5.1176. PMID: 16685007.

137: O'Byrne PM, Pedersen S, Busse WW, Tan WC, Chen YZ, Ohlsson SV, Ullman A, Lamm CJ, Pauwels RA; START Investigators Group. Effects of early intervention with inhaled budesonide on lung function in newly diagnosed asthma. *Chest*. 2006 Jun;129(6):1478-85. doi: 10.1378/chest.129.6.1478. PMID: 16778264.

138: Stokes JR, Casale TB. Allergy immunotherapy for primary care physicians. *Am J Med*. 2006 Oct;119(10):820-3. doi: 10.1016/j.amjmed.2006.02.019. PMID: 17000208.

139: Casale TB, Kessler J, Romero FA. Safety of the intranasal toll-like receptor 4 agonist CRX-675 in allergic rhinitis. *Ann Allergy Asthma Immunol*. 2006 Oct;97(4):454-6. doi: 10.1016/S1081-1206(10)60934-9. PMID: 17069098.

140: Cheng YX, Foster B, Holland SM, Klion AD, Nutman TB, Casale TB, Metcalfe DD, Prussin C. CD2 identifies a monocyte subpopulation with immunoglobulin E-dependent, high-level expression of Fc epsilon RI. *Clin Exp Allergy*. 2006

Nov;36(11):1436-45. doi: 10.1111/j.1365-2222.2006.02578.x. PMID: 17083354; PMCID: PMC1661841.

141: Nassef M, Shapiro G, Casale TB; Respiratory and Allergic Disease Foundation. Identifying and managing rhinitis and its subtypes: allergic and nonallergic components--a consensus report and materials from the Respiratory and Allergic Disease Foundation. *Curr Med Res Opin.* 2006 Dec;22(12):2541-8. doi: 10.1185/030079906x158057. PMID: 17265594.

142: Nelson H, Kemp J, Berger W, Corren J, Casale T, Dube L, Walton-Bowen K, LaVallee N, Stepanians M. Efficacy of zileuton controlled-release tablets administered twice daily in the treatment of moderate persistent asthma: a 3-month randomized controlled study. *Ann Allergy Asthma Immunol.* 2007 Aug;99(2):178-84. doi: 10.1016/S1081-1206(10)60642-4. PMID: 17718106.

143: Klunker S, Saggarr LR, Seyfert-Margolis V, Asare AL, Casale TB, Durham SR, Francis JN; Immune Tolerance Network Group. Combination treatment with omalizumab and rush immunotherapy for ragweed-induced allergic rhinitis: Inhibition of IgE-facilitated allergen binding. *J Allergy Clin Immunol.* 2007 Sep;120(3):688-95. doi: 10.1016/j.jaci.2007.05.034. Epub 2007 Jul 12. PMID: 17631952.

144: Sugiura H, Liu X, Duan F, Kawasaki S, Togo S, Kamio K, Wang XQ, Mao L, Ahn Y, Ertl RF, Bargar TW, Berro A, Casale TB, Rennard SI. Cultured lung fibroblasts from ovalbumin-challenged "asthmatic" mice differ functionally from normal. *Am J Respir Cell Mol Biol.* 2007 Oct;37(4):424-30. doi: 10.1165/rcmb.2007-0089OC. Epub 2007 Jun 15. PMID: 17575074; PMCID: PMC2176123.

145: Greenberger PA, Ballou M, Casale TB, Platts-Mills TA, Sampson HA. Sublingual immunotherapy and subcutaneous immunotherapy: issues in the United States. *J Allergy Clin Immunol.* 2007 Dec;120(6):1466-8. doi: 10.1016/j.jaci.2007.08.055. Epub 2007 Oct 22. PMID: 17936891.

146: Casale TB, Romero FA, Spierings EL. Intranasal noninhaled carbon dioxide for the symptomatic treatment of seasonal allergic rhinitis. *J Allergy Clin Immunol.* 2008 Jan;121(1):105-9. doi: 10.1016/j.jaci.2007.08.056. Epub 2007 Oct 29. PMID: 18028997.

147: Casale TB, Stokes JR. Immunomodulators for allergic respiratory disorders. *J Allergy Clin Immunol.* 2008 Feb;121(2):288-96; quiz 297-8. doi: 10.1016/j.jaci.2007.11.040. PMID: 18269921.

148: Busse WW, Pedersen S, Pauwels RA, Tan WC, Chen YZ, Lamm CJ, O'Byrne PM; START Investigators Group. The Inhaled Steroid Treatment As Regular Therapy in Early Asthma (START) study 5-year follow-up: effectiveness of early intervention with budesonide in mild persistent asthma. *J Allergy Clin Immunol.* 2008 May;121(5):1167-74. doi: 10.1016/j.jaci.2008.02.029. Epub 2008 Apr 11. PMID: 18405951.

149: Jones DH, Romero FA, Casale TB. Time-dependent inhibition of histamine-induced cutaneous responses by oral and intramuscular diphenhydramine and oral

- fexofenadine. *Ann Allergy Asthma Immunol.* 2008 May;100(5):452-6. doi: 10.1016/S1081-1206(10)60470-X. PMID: 18517077.
- 150: Casale TB, van Wijk RG. Guidelines for treatment of pediatric asthma. *JAMA.* 2008 Jun 25;299(24):2855; author reply 2855. doi: 10.1001/jama.299.24.2855-a. PMID: 18577728.
- 151: Schwartz LB, Delgado L, Craig T, Bonini S, Carlsen KH, Casale TB, Del Giacco S, Drobnic F, van Wijk RG, Ferrer M, Haahtela T, Henderson WR, Israel E, Lötvall J, Moreira A, Papadopoulos NG, Randolph CC, Romano A, Weiler JM. Exercise-induced hypersensitivity syndromes in recreational and competitive athletes: a PRACTALL consensus report (what the general practitioner should know about sports and allergy). *Allergy.* 2008 Aug;63(8):953-61. doi: 10.1111/j.1398-9995.2008.01802.x. PMID: 18691297.
- 152: Taylor DR, Bateman ED, Boulet LP, Boushey HA, Busse WW, Casale TB, Chanez P, Enright PL, Gibson PG, de Jongste JC, Kerstjens HA, Lazarus SC, Levy ML, O'Byrne PM, Partridge MR, Pavord ID, Sears MR, Sterk PJ, Stoloff SW, Szeffler SJ, Sullivan SD, Thomas MD, Wenzel SE, Reddel HK. A new perspective on concepts of asthma severity and control. *Eur Respir J.* 2008 Sep;32(3):545-54. doi: 10.1183/09031936.00155307. PMID: 18757695.
- 153: Schatz M, Stempel D; American College of Allergy, Asthma and Immunology Task Force; American Academy of Allergy, Asthma and Immunology Task Force. Asthma quality-of-care measures using administrative data: relationships to subsequent exacerbations in multiple databases. *Ann Allergy Asthma Immunol.* 2008 Sep;101(3):235-9. doi: 10.1016/s1081-1206(10)60487-5. PMID: 18814445.
- 154: Segal M, Stokes JR, Casale TB. Anti-immunoglobulin e therapy. *World Allergy Organ J.* 2008 Oct;1(10):174-83. doi: 10.1097/WOX.0b013e318187a310. PMID: 23282676; PMCID: PMC3651047.
- 155: Waggoner D, Stokes J, Casale TB. Asthma and obesity. *Ann Allergy Asthma Immunol.* 2008 Dec;101(6):641-3. doi: 10.1016/S1081-1206(10)60229-3. PMID: 19119710.
- 156: Waggoner D, Stokes J, Romero F, Casale TB. Dyspnea and obesity in African American women. *Ann Allergy Asthma Immunol.* 2008 Dec;101(6):644-5. doi: 10.1016/S1081-1206(10)60230-X. PMID: 19119711.
- 157: O'Byrne PM, Pedersen S, Lamm CJ, Tan WC, Busse WW; START Investigators Group. Severe exacerbations and decline in lung function in asthma. *Am J Respir Crit Care Med.* 2009 Jan 1;179(1):19-24. doi: 10.1164/rccm.200807-1126OC. Epub 2008 Oct 31. Erratum in: *Am J Respir Crit Care Med.* 2010 Oct 1;182(7):983-4. PMID: 18990678.
- 158: Rachelefsky GS, Casale TB, Blaiss MS. Introduction. *Clin Cornerstone.* 2009;9(3):6-8. doi: 10.1016/s1098-3597(09)80007-0. PMID: 19781510.
- 159: Casale TB, Martin RJ. Clinical importance of identifying immunoglobulin E-mediated disease in patients with asthma. *Clin Cornerstone.* 2009;9(3):20-9.

doi: 10.1016/s1098-3597(09)80009-4. PMID: 19781512.

160: Quan M, Casale TB, Blaiss MS. Should clinicians routinely determine rhinitis subtype on initial diagnosis and evaluation? A debate among experts. *Clin Cornerstone*. 2009;9(3):54-60. doi: 10.1016/s1098-3597(09)80014-8. PMID: 19781517.

161: Anderson SD, Charlton B, Weiler JM, Nichols S, Spector SL, Pearlman DS; A305 Study Group. Comparison of mannitol and methacholine to predict exercise-induced bronchoconstriction and a clinical diagnosis of asthma. *Respir Res*. 2009 Jan 23;10(1):4. doi: 10.1186/1465-9921-10-4. PMID: 19161635; PMCID: PMC2644668.

162: Warriar P, Casale TB. Omalizumab in idiopathic anaphylaxis. *Ann Allergy Asthma Immunol*. 2009 Mar;102(3):257-8. doi: 10.1016/S1081-1206(10)60091-9. PMID: 19354075.

163: Casale TB, Stokes J. Anti-IgE therapy: clinical utility beyond asthma. *J Allergy Clin Immunol*. 2009 Apr;123(4):770-1.e1. doi: 10.1016/j.jaci.2009.02.016. PMID: 19348915.

164: Corren J, Casale TB, Lanier B, Buhl R, Holgate S, Jimenez P. Safety and tolerability of omalizumab. *Clin Exp Allergy*. 2009 Jun;39(6):788-97. doi: 10.1111/j.1365-2222.2009.03214.x. Epub 2009 Mar 17. PMID: 19302249.

165: Warriar PJ, Bellamkonda P, Stokes JR, Casale TB. Utility and limitations of objective measures of asthma. *Ann Allergy Asthma Immunol*. 2009 Jun;102(6):518-22. doi: 10.1016/S1081-1206(10)60127-5. PMID: 19558012.

166: Bellamkonda P, Warriar P, Stokes JR, Chiang DT, Clark JP, Romero FA, Casale TB. Limitations of objective measures of asthma. *Ann Allergy Asthma Immunol*. 2009 Jun;102(6):530-1. doi: 10.1016/S1081-1206(10)60129-9. PMID: 19558014.

167: Reddel HK, Taylor DR, Bateman ED, Boulet LP, Boushey HA, Busse WW, Casale TB, Chanez P, Enright PL, Gibson PG, de Jongste JC, Kerstjens HA, Lazarus SC, Levy ML, O'Byrne PM, Partridge MR, Pavord ID, Sears MR, Sterk PJ, Stoloff SW, Sullivan SD, Szefer SJ, Thomas MD, Wenzel SE; American Thoracic Society/European Respiratory Society Task Force on Asthma Control and Exacerbations. An official American Thoracic Society/European Respiratory Society statement: asthma control and exacerbations: standardizing endpoints for clinical asthma trials and clinical practice. *Am J Respir Crit Care Med*. 2009 Jul 1;180(1):59-99. doi: 10.1164/rccm.200801-060ST. PMID: 19535666.

168: Mehta V, Stokes JR, Berro A, Romero FA, Casale TB. Time-dependent effects of inhaled corticosteroids on lung function, bronchial hyperresponsiveness, and airway inflammation in asthma. *Ann Allergy Asthma Immunol*. 2009 Jul;103(1):31-7. doi: 10.1016/S1081-1206(10)60140-8. PMID: 19663124.

169: Bousquet J, Bachert C, Canonica GW, Casale TB, Cruz AA, Lockey RJ, Zuberbier T; Extended Global Allergy and Asthma European Network, World Allergy Organization and Allergic Rhinitis and its Impact on Asthma Study Group. Unmet needs in severe chronic upper airway disease (SCUAD). *J Allergy Clin Immunol*.

2009 Sep;124(3):428-33. doi: 10.1016/j.jaci.2009.06.027. Epub 2009 Aug 5. PMID: 19660803.

170: Casale TB, Canonica GW, Bousquet J, Cox L, Lockey R, Nelson HS, Passalacqua G. Recommendations for appropriate sublingual immunotherapy clinical trials. *J Allergy Clin Immunol*. 2009 Oct;124(4):665-70. doi: 10.1016/j.jaci.2009.07.054. Epub 2009 Sep 19. PMID: 19766297.

171: Dimov VV, Stokes JR, Casale TB. Immunomodulators in asthma therapy. *Curr Allergy Asthma Rep*. 2009 Nov;9(6):475-83. doi: 10.1007/s11882-009-0070-x. PMID: 19814921.

172: Berger WE, Ratner PH, Casale TB, Meltzer EO, Wall GM. Safety and efficacy of olopatadine hydrochloride nasal spray 0.6% in pediatric subjects with allergic rhinitis. *Allergy Asthma Proc*. 2009 Nov-Dec;30(6):612-23. doi: 10.2500/aap.2009.30.3298. PMID: 20031007.

173: Canonica GW, Bousquet J, Casale T, Lockey RF, Baena-Cagnani CE, Pawankar R, Potter PC, Bousquet PJ, Cox LS, Durham SR, Nelson HS, Passalacqua G, Ryan DP, Brozek JL, Compalati E, Dahl R, Delgado L, van Wijk RG, Gower RG, Ledford DK, Filho NR, Valovirta EJ, Yusuf OM, Zuberbier T. Sub-lingual immunotherapy: world allergy organization position paper 2009. *World Allergy Organ J*. 2009 Nov;2(11):233-81. doi: 10.1097/WOX.0b013e3181c6c379. Epub 2009 Nov 19. PMID: 23268425; PMCID: PMC3488881.

174: Jiang H, Abel PW, Toews ML, Deng C, Casale TB, Xie Y, Tu Y. Phosphoinositide 3-kinase gamma regulates airway smooth muscle contraction by modulating calcium oscillations. *J Pharmacol Exp Ther*. 2010 Sep 1;334(3):703-9. doi: 10.1124/jpet.110.168518. Epub 2010 May 25. PMID: 20501633; PMCID: PMC2939661.

175: Massanari M, Nelson H, Casale T, Busse W, Kianifard F, Geba GP, Zeldin RK. Effect of pretreatment with omalizumab on the tolerability of specific immunotherapy in allergic asthma. *J Allergy Clin Immunol*. 2010 Feb;125(2):383-9. doi: 10.1016/j.jaci.2009.11.022. PMID: 20159249.

176: Canonica GW, Bousquet J, Casale T, Lockey RF, Baena-Cagnani CE, Pawankar R, Potter PC, Bousquet PJ, Cox LS, Durham SR, Nelson HS, Passalacqua G, Ryan DP, Brozek JL, Compalati E, Dahl R, Delgado L, van Wijk RG, Gower RG, Ledford DK, Filho NR, Valovirta EJ, Yusuf OM, Zuberbier T, Akhanda W, Almarales RC, Ansotegui I, Bonifazi F, Ceuppens J, Chivato T, Dimova D, Dumitrascu D, Fontana L, Katelaris CH, Kaulsay R, Kuna P, Larenas-Linnemann D, Manoussakis M, Nekam K, Nunes C, O'Hehir R, Olaguibel JM, Onder NB, Park JW, Priftanji A, Puy R, Sarmiento L, Scadding G, Schmid-Grendelmeier P, Seberova E, Sepiashvili R, Solé D, Togias A, Tomino C, Toskala E, Van Bever H, Vieths S. Sub-lingual immunotherapy: World Allergy Organization Position Paper 2009. *Allergy*. 2009 Dec;64 Suppl 91:1-59. doi: 10.1111/j.1398-9995.2009.02309.x. PMID: 20041860.

177: Sandhu MS, Casale TB. The role of vitamin D in asthma. *Ann Allergy Asthma Immunol*. 2010 Sep;105(3):191-9; quiz 200-2, 217. doi: 10.1016/j.anai.2010.01.013. Epub 2010 Mar 1. PMID: 20800785.

178: Brozek JL, Bousquet J, Baena-Cagnani CE, Bonini S, Canonica GW, Casale TB, van Wijk RG, Ohta K, Zuberbier T, Schünemann HJ; Global Allergy and Asthma European Network; Grading of Recommendations Assessment, Development and Evaluation Working Group. Allergic Rhinitis and its Impact on Asthma (ARIA) guidelines: 2010 revision. *J Allergy Clin Immunol*. 2010 Sep;126(3):466-76. doi: 10.1016/j.jaci.2010.06.047. PMID: 20816182.

179: Bousquet PJ, Bachert C, Canonica GW, Casale TB, Mullol J, Klossek JM, Zuberbier T, Bousquet J. Uncontrolled allergic rhinitis during treatment and its impact on quality of life: a cluster randomized trial. *J Allergy Clin Immunol*. 2010 Sep;126(3):666-8.e1-5. doi: 10.1016/j.jaci.2010.06.034. PMID: 20816198.

180: Dimov VV, Casale TB. Immunomodulators for asthma. *Allergy Asthma Immunol Res*. 2010 Oct;2(4):228-34. doi: 10.4168/aair.2010.2.4.228. Epub 2010 May 17. PMID: 20885907; PMCID: PMC2946700.

181: Bousquet J, Schünemann HJ, Zuberbier T, Bachert C, Baena-Cagnani CE, Bousquet PJ, Brozek J, Canonica GW, Casale TB, Demoly P, Gerth van Wijk R, Ohta K, Bateman ED, Calderon M, Cruz AA, Dolen WK, Haughney J, Lockey RF, Lötval J, O'Byrne P, Spranger O, Togias A, Bonini S, Boulet LP, Camargos P, Carlsen KH, Chavannes NH, Delgado L, Durham SR, Fokkens WJ, Fonseca J, Haahtela T, Kalayci O, Kowalski ML, Larenas-Linnemann D, Li J, Mohammad Y, Mullol J, Naclerio R, O'Hehir RE, Papadopoulos N, Passalacqua G, Rabe KF, Pawankar R, Ryan D, Samolinski B, Simons FE, Valovirta E, Yorgancioglu A, Yusuf OM, Agache I, Ait-Khaled N, Annesi-Maesano I, Beghe B, Ben Kheder A, Blaiss MS, Boakye DA, Bouchard J, Burney PG, Busse WW, Chan-Yeung M, Chen Y, Chuchalin AG, Costa DJ, Custovic A, Dahl R, Denburg J, Douagui H, Emuzyte R, Grouse L, Humbert M, Jackson C, Johnston SL, Kaliner MA, Keith PK, Kim YY, Klossek JM, Kuna P, Le LT, Lemiere C, Lipworth B, Mahboub B, Malo JL, Marshall GD, Mavale-Manuel S, Meltzer EO, Morais-Almeida M, Motala C, Naspitz C, Nekam K, Niggemann B, Nizankowska-Mogilnicka E, Okamoto Y, Orru MP, Ouedraogo S, Palkonen S, Popov TA, Price D, Rosado-Pinto J, Scadding GK, Sooronbaev TM, Stoloff SW, Toskala E, van Cauwenberge P, Vandenplas O, van Weel C, Viegi G, Virchow JC, Wang DY, Wickman M, Williams D, Yawn BP, Zar HJ, Zernotti M, Zhong N; WHO Collaborating Center of Asthma and Rhinitis (Montpellier). Development and implementation of guidelines in allergic rhinitis – an ARIA-GA2LEN paper. *Allergy*. 2010 Oct;65(10):1212-21. doi: 10.1111/j.1398-9995.2010.02439.x. PMID: 20887423.

182: Morrow LE, Kollef MH, Casale TB. Probiotic prophylaxis of ventilator-associated pneumonia: a blinded, randomized, controlled trial. *Am J Respir Crit Care Med*. 2010 Oct 15;182(8):1058-64. doi: 10.1164/rccm.200912-1853OC. Epub 2010 Jun 3. PMID: 20522788; PMCID: PMC2970846.

183: Bousquet J, Mantzouranis E, Cruz AA, Ait-Khaled N, Baena-Cagnani CE, Bleecker ER, Brightling CE, Burney P, Bush A, Busse WW, Casale TB, Chan-Yeung M, Chen R, Chowdhury B, Chung KF, Dahl R, Drazen JM, Fabbri LM, Holgate ST, Kauffmann F, Haahtela T, Khaltayev N, Kiley JP, Masjedi MR, Mohammad Y, O'Byrne P, Partridge MR, Rabe KF, Togias A, van Weel C, Wenzel S, Zhong N, Zuberbier T. Uniform definition of asthma severity, control, and exacerbations: document presented for the World Health Organization Consultation on Severe Asthma. *J*

Allergy Clin Immunol. 2010 Nov;126(5):926-38. doi: 10.1016/j.jaci.2010.07.019. PMID: 20926125.

184: Calderón MA, Casale TB, Togias A, Bousquet J, Durham SR, Demoly P. Allergen-specific immunotherapy for respiratory allergies: from meta-analysis to registration and beyond. *J Allergy Clin Immunol*. 2011 Jan;127(1):30-8. doi: 10.1016/j.jaci.2010.08.024. Epub 2010 Oct 20. Erratum in: *J Allergy Clin Immunol*. 2011 Apr;127(4):859. PMID: 20965551.

185: Casale TB, Stokes JR. Future forms of immunotherapy. *J Allergy Clin Immunol*. 2011 Jan;127(1):8-15; quiz 16-7. doi: 10.1016/j.jaci.2010.10.034. Epub 2010 Nov 20. PMID: 21094518.

186: Bousquet PJ, Calderón MA, Demoly P, Larenas D, Passalacqua G, Bachert C, Brozek J, Canonica GW, Casale T, Fonseca J, Dahl R, Durham SR, Merk H, Worm M, Wahn U, Zuberbier T, Schünemann HJ, Bousquet J. The Consolidated Standards of Reporting Trials (CONSORT) Statement applied to allergen-specific immunotherapy with inhalant allergens: a Global Allergy and Asthma European Network (GA(2)LEN) article. *J Allergy Clin Immunol*. 2011 Jan;127(1):49-56, 56.e1-11. doi: 10.1016/j.jaci.2010.09.017. Epub 2010 Nov 26. PMID: 21112079.

187: Lötvall J, Akdis CA, Bacharier LB, Bjermer L, Casale TB, Custovic A, Lemanske RF Jr, Wardlaw AJ, Wenzel SE, Greenberger PA. Asthma endotypes: a new approach to classification of disease entities within the asthma syndrome. *J Allergy Clin Immunol*. 2011 Feb;127(2):355-60. doi: 10.1016/j.jaci.2010.11.037. PMID: 21281866.

188: Nguyen TH, Stokes JR, Casale TB. Future forms of immunotherapy and immunomodulators in allergic disease. *Immunol Allergy Clin North Am*. 2011 May;31(2):343-65, x-xi. doi: 10.1016/j.iac.2011.02.003. PMID: 21530824.

189: Bousquet J, Schünemann HJ, Bousquet PJ, Bachert C, Canonica GW, Casale TB, Demoly P, Durham S, Carlsen KH, Malling HJ, Passalacqua G, Simons FE, Anto J, Baena-Cagnani CE, Bergmann KC, Bieber T, Briggs AH, Brozek J, Calderon MA, Dahl R, Devillier P, Gerth van Wijk R, Howarth P, Larenas D, Papadopoulos NG, Schmid-Grendelmeier P, Zuberbier T. How to design and evaluate randomized controlled trials in immunotherapy for allergic rhinitis: an ARIA-GA(2) LEN statement. *Allergy*. 2011 Jun;66(6):765-74. doi: 10.1111/j.1398-9995.2011.02590.x. Epub 2011 Apr 18. PMID: 21496059.

190: Bousquet J, Heinzerling L, Bachert C, Papadopoulos NG, Bousquet PJ, Burney PG, Canonica GW, Carlsen KH, Cox L, Haahtela T, Lodrup Carlsen KC, Price D, Samolinski B, Simons FE, Wickman M, Annesi-Maesano I, Baena-Cagnani CE, Bergmann KC, Bindslev-Jensen C, Casale TB, Chiriac A, Cruz AA, Dubakiene R, Durham SR, Fokkens WJ, Gerth-van-Wijk R, Kalayci O, Kowalski ML, Mari A, Mullol J, Nazamova-Baranova L, O'Hehir RE, Ohta K, Panzner P, Passalacqua G, Ring J, Rogala B, Romano A, Ryan D, Schmid-Grendelmeier P, Todo-Bom A, Valenta R, Woehrl S, Yusuf OM, Zuberbier T, Demoly P; Global Allergy and Asthma European Network; Allergic Rhinitis and its Impact on Asthma. Practical guide to skin prick tests in allergy to aeroallergens. *Allergy*. 2012 Jan;67(1):18-24. doi: 10.1111/j.1398-9995.2011.02728.x. Epub 2011 Nov 4. PMID: 22050279.

- 191: Stokes JR, Casale TB. Allergic rhinitis and asthma: celebrating 100 years of immunotherapy. *Curr Opin Immunol*. 2011 Dec;23(6):808-13. doi: 10.1016/j.coi.2011.07.015. Epub 2011 Aug 19. PMID: 21862303.
- 192: Jia S, Zhang X, He DZ, Segal M, Berro A, Gerson T, Wang Z, Casale TB. Expression and function of a novel variant of estrogen receptor- α 36 in murine airways. *Am J Respir Cell Mol Biol*. 2011 Nov;45(5):1084-9. doi: 10.1165/rcmb.2010-0268OC. Epub 2011 Jun 3. PMID: 21642591; PMCID: PMC6938176.
- 193: Casale TB, Korenblat PE, Meltzer EO, Yen K, Bhatnagar A. Nasal carbon dioxide for the symptomatic treatment of perennial allergic rhinitis. *Ann Allergy Asthma Immunol*. 2011 Oct;107(4):364-70. doi: 10.1016/j.anai.2011.07.014. PMID: 21962098.
- 194: Nguyen TH, Casale TB. Immune modulation for treatment of allergic disease. *Immunol Rev*. 2011 Jul;242(1):258-71. doi: 10.1111/j.1600-065X.2011.01034.x. PMID: 21682751.
- 195: WHO Collaborating Center for Asthma and Rhinitis, Bousquet J, Anto JM, Demoly P, Schünemann HJ, Togias A, Akdis M, Auffray C, Bachert C, Bieber T, Bousquet PJ, Carlsen KH, Casale TB, Cruz AA, Keil T, Lodrup Carlsen KC, Maurer M, Ohta K, Papadopoulos NG, Roman Rodriguez M, Samolinski B, Agache I, Andrianarisoa A, Ang CS, Annesi-Maesano I, Ballester F, Baena-Cagnani CE, Basagaña X, Bateman ED, Bel EH, Bedbrook A, Beghé B, Beji M, Ben Kheder A, Benet M, Bennoor KS, Bergmann KC, Berrissoul F, Bindsvlev Jensen C, Bleecker ER, Bonini S, Boner AL, Boulet LP, Brightling CE, Brozek JL, Bush A, Busse WW, Camargos PA, Canonica GW, Carr W, Cesario A, Chen YZ, Chiriac AM, Costa DJ, Cox L, Custovic A, Dahl R, Darsow U, Didi T, Dolen WK, Douagui H, Dubakiene R, El-Meziane A, Fonseca JA, Fokkens WJ, Fthenou E, Gamkrelidze A, Garcia-Aymerich J, Gerth van Wijk R, Gimeno-Santos E, Guerra S, Haahtela T, Haddad H, Hellings PW, Hellquist-Dahl B, Hohmann C, Howarth P, Hourihane JO, Humbert M, Jacquemin B, Just J, Kalayci O, Kaliner MA, Kauffmann F, Kerkhof M, Khayat G, Koffi N'Goran B, Kogevinas M, Koppelman GH, Kowalski ML, Kull I, Kuna P, Larenas D, Lavi I, Le LT, Lieberman P, Lipworth B, Mahboub B, Makela MJ, Martin F, Martinez FD, Marshall GD, Mazon A, Melen E, Meltzer EO, Mihaltan F, Mohammad Y, Mohammadi A, Momas I, Morais-Almeida M, Mullol J, Muraro A, Naclerio R, Nafti S, Namazova-Baranova L, Nawijn MC, Nyembue TD, Oddie S, O'Hehir RE, Okamoto Y, Orru MP, Ozdemir C, Ouedraogo GS, Palkonen S, Panzner P, Passalacqua G, Pawankar R, Pigearias B, Pin I, Pinart M, Pison C, Popov TA, Porta D, Postma DS, Price D, Rabe KF, Ratomaharo J, Reitamo S, Rezagui D, Ring J, Roberts R, Roca J, Rogala B, Romano A, Rosado-Pinto J, Ryan D, Sanchez-Borges M, Scadding GK, Sheikh A, Simons FE, Siroux V, Schmid-Grendelmeier PD, Smit HA, Sooronbaev T, Stein RT, Sterk PJ, Sunyer J, Terreehorst I, Toskala E, Tremblay Y, Valenta R, Valeyre D, Vandenplas O, van Weel C, Vassilaki M, Varraso R, Viegi G, Wang DY, Wickman M, Williams D, Wöhrl S, Wright J, Yorgancioglu A, Yusuf OM, Zar HJ, Zernotti ME, Zidarn M, Zhong N, Zuberbier T. Severe chronic allergic (and related) diseases: a uniform approach--a MeDALL--GA2LEN--ARIA position paper. *Int Arch Allergy Immunol*. 2012;158(3):216-31. doi: 10.1159/000332924. PMID: 22382913.
- 196: Yorgancioglu A, Özdemir C, Kalaycı Ö, Kalyoncu AF, Bachert C, Baena-Cagnani

CE, Casale TB, Chen YZ, Cruz AA, Demoly P, Fokkens WJ, Lodrup Carlsen KC, Mohammad Y, Mullol J, Ohta K, Papadopoulos NG, Pawankar R, Samolinski B, Schünemann HJ, Yusuf OM, Zuberbier T, Bousquet J; WHO Collaborating Center on Asthma and Rhinitis. ARIA (allerjik rinit ve astım üzerine etkisi) 10 yıldaki kazanımlar ve gelecekteki gereksinimler [ARIA (Allergic Rhinitis and its Impact on Asthma) achievements in 10 years and future needs]. *Tuberk Toraks*. 2012;60(1):92-7. Turkish. doi: 10.5578/tt.3734. PMID: 22554377.

197: Stokes JR, Romero FA Jr, Allan RJ, Phillips PG, Hackman F, Misfeldt J, Casale TB. The effects of an H3 receptor antagonist (PF-03654746) with fexofenadine on reducing allergic rhinitis symptoms. *J Allergy Clin Immunol*. 2012 Feb;129(2):409-12, 412.e1-2. doi: 10.1016/j.jaci.2011.11.026. Epub 2011 Dec 22. PMID: 22196768.

198: Lötval J, Pawankar R, Wallace DV, Akdis CA, Rosenwasser LJ, Weber RW, Wesley Burks A, Casale TB, Lockey RF, Papadopoulos N, Fineman SM, Ledford DK; American Academy of Allergy, Asthma & Immunology (AAAAI), the American College of Allergy, Asthma & Immunology (ACAAI), the European Academy of Allergy and Clinical Immunology (EAACI), and the World Allergy Organization (WAO). We Call for iCAALL: International Collaboration in Asthma, Allergy and Immunology. *World Allergy Organ J*. 2012 Mar;5(3):39-40. doi: 10.1097/WOX.0b013e3182504245. Epub 2012 Mar 15. PMID: 23268470; PMCID: PMC3507245.

199: Calderón MA, Cox L, Casale TB, Moingeon P, Demoly P. Multiple-allergen and single-allergen immunotherapy strategies in polysensitized patients: looking at the published evidence. *J Allergy Clin Immunol*. 2012 Apr;129(4):929-34. doi: 10.1016/j.jaci.2011.11.019. Epub 2012 Jan 11. PMID: 22244595.

200: Lötval J, Pawankar R, Wallace DV, Akdis CA, Rosenwasser LJ, Weber RW, Burks AW, Casale TB, Lockey RF, Papadopoulos NG, Fineman SM, Ledford DK; American Academy of Allergy, Asthma & Immunology (AAAAI); American College of Allergy, Asthma & Immunology (ACAAI); European Academy of Allergy and Clinical Immunology (EAACI); World Allergy Organization (WAO). We call for iCAALL: International Collaboration in Asthma, Allergy and Immunology. *J Allergy Clin Immunol*. 2012 Apr;129(4):904-5. doi: 10.1016/j.jaci.2012.02.009. Epub 2012 Feb 25. PMID: 22365583.

201: Lötval J, Pawankar R, Wallace DV, Akdis CA, Rosenwasser LJ, Weber RW, Wesley Burks A, Casale TB, Lockey RF, Papadopoulos NG, Fineman SM, Ledford DK; American Academy of Allergy, Asthma & Immunology (AAAAI), the American College of Allergy, Asthma & Immunology (ACAAI), the European Academy of Allergy and Clinical Immunology (EAACI), and the Word Allergy Organisation (WAO). We call for iCAALL: International Collaboration in Asthma, Allergy and Immunology. *Allergy*. 2012 Apr;67(4):449-50. doi: 10.1111/j.1398-9995.2012.02813.x. PMID: 22414196.

202: Lötval J, Pawankar R, Wallace DV, Akdis CA, Rosenwasser LJ, Weber RW, Burks AW, Casale TB, Lockey RF, Papadopoulos NG, Fineman SM, Ledford DK; American Academy of Allergy, Asthma & Immunology (AAAAI); American College of Allergy, Asthma & Immunology (ACAAI); European Academy of Allergy and Clinical Immunology (EAACI); World Allergy Organization (WAO). We call for iCAALL:

International Collaboration for Asthma, Allergy and Immunology. *Ann Allergy Asthma Immunol.* 2012 Apr;108(4):215-6. doi: 10.1016/j.anai.2012.02.025. PMID: 22469437.

203: Lewis E, Fernandez C, Nella A, Hopp R, Gallagher JC, Casale TB. Relationship of 25-hydroxyvitamin D and asthma control in children. *Ann Allergy Asthma Immunol.* 2012 Apr;108(4):281-2. doi: 10.1016/j.anai.2012.01.003. PMID: 22469451.

204: Polosa R, Casale T. Monoclonal antibodies for chronic refractory asthma and pipeline developments. *Drug Discov Today.* 2012 Jun;17(11-12):591-9. doi: 10.1016/j.drudis.2012.01.012. Epub 2012 Jan 25. PMID: 22306350.

205: Sandhu MS, Dimov V, Sandhu AK, Walters RW, Wichman T, Casale T. The use of the peroxisome proliferator-activated receptors γ agonist rosiglitazone to treat airway hyperreactivity. *Ann Allergy Asthma Immunol.* 2012 Jul;109(1):75-7. doi: 10.1016/j.anai.2012.05.001. Epub 2012 May 24. PMID: 22727164.

206: Ledford DK, Burks AW, Ballow M, Cox L, Wood RA, Casale TB. Statement regarding "The public health benefits of air pollution control". *J Allergy Clin Immunol.* 2012 Jul;130(1):24. doi: 10.1016/j.jaci.2012.02.055. PMID: 22742836.

207: Jiang H, Xie Y, Abel PW, Toews ML, Townley RG, Casale TB, Tu Y. Targeting phosphoinositide 3-kinase γ in airway smooth muscle cells to suppress interleukin-13-induced mouse airway hyperresponsiveness. *J Pharmacol Exp Ther.* 2012 Aug;342(2):305-11. doi: 10.1124/jpet.111.189704. Epub 2012 Apr 27. PMID: 22543031; PMCID: PMC3400799.

208: Papadopoulos NG, Arakawa H, Carlsen KH, Custovic A, Gern J, Lemanske R, Le Souef P, Mäkelä M, Roberts G, Wong G, Zar H, Akdis CA, Bacharier LB, Baraldi E, van Bever HP, de Blic J, Boner A, Burks W, Casale TB, Castro-Rodriguez JA, Chen YZ, El-Gamal YM, Everard ML, Frischer T, Geller M, Gereda J, Goh DY, Guilbert TW, Hedlin G, Heymann PW, Hong SJ, Hossny EM, Huang JL, Jackson DJ, de Jongste JC, Kalayci O, Ait-Khaled N, Kling S, Kuna P, Lau S, Ledford DK, Lee SI, Liu AH, Lockey RF, Lødrup-Carlsen K, Lötvall J, Morikawa A, Nieto A, Paramesh H, Pawankar R, Pohunek P, Pongracic J, Price D, Robertson C, Rosario N, Rossenwasser LJ, Sly PD, Stein R, Stick S, Szeffler S, Taussig LM, Valovirta E, Vichyanond P, Wallace D, Weinberg E, Wennergren G, Wildhaber J, Zeiger RS. International consensus on (ICON) pediatric asthma. *Allergy.* 2012 Aug;67(8):976-97. doi: 10.1111/j.1398-9995.2012.02865.x. Epub 2012 Jun 15. PMID: 22702533; PMCID: PMC4442800.

209: Ballow M, Akdis CA, Casale TB, Wardlaw AJ, Wenzel SE, Ballas Z, Lötvall J. Immune response modifiers in the treatment of asthma: A PRACTALL document of the American Academy of Allergy, Asthma & Immunology and the European Academy of Allergy and Clinical Immunology. *J Allergy Clin Immunol.* 2012 Aug;130(2):311-24. doi: 10.1016/j.jaci.2012.04.046. Epub 2012 Jun 17. PMID: 22713596.

210: Xie Y, Jiang H, Nguyen H, Jia S, Berro A, Panettieri RA Jr, Wolff DW, Abel PW, Casale TB, Tu Y. Regulator of G protein signaling 2 is a key modulator of airway hyperresponsiveness. *J Allergy Clin Immunol.* 2012 Oct;130(4):968-76.e3.

doi: 10.1016/j.jaci.2012.05.004. Epub 2012 Jun 15. PMID: 22704538.

211: Busse WW, Ballas ZK, Casale TB, Cox L, Dimov V, Honsinger RW, Jones CA, Tracy JM. Future of allergy/immunology task force report. *J Allergy Clin Immunol.* 2012 Oct;130(4):1009-10. doi: 10.1016/j.jaci.2012.06.045. Epub 2012 Aug 24. PMID: 22921869.

212: Brozek JL, Kraft M, Krishnan JA, Cloutier MM, Lazarus SC, Li JT, Santesso N, Strunk RC, Casale TB. Long-acting β 2-agonist step-off in patients with controlled asthma. *Arch Intern Med.* 2012 Oct 8;172(18):1365-75. doi: 10.1001/archinternmed.2012.3250. PMID: 22928176.

213: Bousquet J, Schünemann HJ, Samolinski B, Demoly P, Baena-Cagnani CE, Bachert C, Bonini S, Boulet LP, Bousquet PJ, Brozek JL, Canonica GW, Casale TB, Cruz AA, Fokkens WJ, Fonseca JA, van Wijk RG, Grouse L, Haahtela T, Khaltayev N, Kuna P, Lockey RF, Lodrup Carlsen KC, Mullol J, Naclerio R, O'Hehir RE, Ohta K, Palkonen S, Papadopoulos NG, Passalacqua G, Pawankar R, Price D, Ryan D, Simons FE, Togias A, Williams D, Yorgancioglu A, Yusuf OM, Aberer W, Adachi M, Agache I, Ait-Khaled N, Akdis CA, Andrianarisoa A, Annesi-Maesano I, Ansotegui IJ, Baiardini I, Bateman ED, Bedbrook A, Beghé B, Beji M, Bel EH, Ben Kheder A, Bennoor KS, Bergmann KC, Berrissoul F, Bieber T, Bindeslev Jensen C, Blaiss MS, Boner AL, Bouchard J, Braido F, Brightling CE, Bush A, Caballero F, Calderon MA, Calvo MA, Camargos PA, Caraballo LR, Carlsen KH, Carr W, Cepeda AM, Cesario A, Chavannes NH, Chen YZ, Chiriac AM, Chivato Pérez T, Chkhartishvili E, Ciprandi G, Costa DJ, Cox L, Custovic A, Dahl R, Darsow U, De Blay F, Deleanu D, Denburg JA, Devillier P, Didi T, Dokic D, Dolen WK, Douagui H, Dubakiene R, Durham SR, Dykewicz MS, El-Gamal Y, El-Meziane A, Emuzyte R, Fiocchi A, Fletcher M, Fukuda T, Gamkrelidze A, Gereda JE, González Diaz S, Gotua M, Guzmán MA, Hellings PW, Hellquist-Dahl B, Horak F, Hourihane JO, Howarth P, Humbert M, Ivancevich JC, Jackson C, Just J, Kalayci O, Kaliner MA, Kalyoncu AF, Keil T, Keith PK, Khayat G, Kim YY, Koffi N'goran B, Koppelman GH, Kowalski ML, Kull I, Kvedariene V, Larenas-Linnemann D, Le LT, Lemièrre C, Li J, Lieberman P, Lipworth B, Mahboub B, Makela MJ, Martin F, Marshall GD, Martinez FD, Masjedi MR, Maurer M, Mavale-Manuel S, Mazon A, Melen E, Meltzer EO, Mendez NH, Merk H, Mihaltan F, Mohammad Y, Morais-Almeida M, Muraro A, Nafti S, Namazova-Baranova L, Nekam K, Neou A, Niggemann B, Nizankowska-Mogilnicka E, Nyembue TD, Okamoto Y, Okubo K, Orru MP, Ouedraogo S, Ozdemir C, Panzner P, Pali-Schöll I, Park HS, Pigearias B, Pohl W, Popov TA, Postma DS, Potter P, Rabe KF, Ratomaharo J, Reitamo S, Ring J, Roberts R, Rogala B, Romano A, Roman Rodriguez M, Rosado-Pinto J, Rosenwasser L, Rottem M, Sanchez-Borges M, Scadding GK, Schmid-Grendelmeier P, Sheikh A, Sisul JC, Solé D, Sooronbaev T, Spicak V, Spranger O, Stein RT, Stoloff SW, Sunyer J, Szczeklik A, Todo-Bom A, Toskala E, Tremblay Y, Valenta R, Valero AL, Valeyre D, Valiulis A, Valovirta E, Van Cauwenberge P, Vandenplas O, van Weel C, Vichyanond P, Viegi G, Wang DY, Wickman M, Wöhrl S, Wright J, Yawn BP, Yiallourous PK, Zar HJ, Zernotti ME, Zhong N, Zidarn M, Zuberbier T, Burney PG, Johnston SL, Warner JO; World Health Organization Collaborating Center for Asthma and Rhinitis. Allergic Rhinitis and its Impact on Asthma (ARIA): achievements in 10 years and future needs. *J Allergy Clin Immunol.* 2012 Nov;130(5):1049-62. doi: 10.1016/j.jaci.2012.07.053. Epub 2012 Oct 4. Erratum in: *J Allergy Clin Immunol.* 2013 Feb;131(2):618. Burney, P G [added]; Johnston, S L [added]; Warner, J O [added]. PMID: 23040884.

- 214: Cox LS, Casale TB, Nayak AS, Bernstein DI, Creticos PS, Ambroisine L, Melac M, Zeldin RK. Clinical efficacy of 300IR 5-grass pollen sublingual tablet in a US study: the importance of allergen-specific serum IgE. *J Allergy Clin Immunol*. 2012 Dec;130(6):1327-34.e1. doi: 10.1016/j.jaci.2012.08.032. Epub 2012 Oct 31. PMID: 23122534.
- 215: Demoly P, Calderon MA, Casale T, Scadding G, Annesi-Maesano I, Braun JJ, Delaisi B, Haddad T, Malard O, Trébuchon F, Serrano E. Assessment of disease control in allergic rhinitis. *Clin Transl Allergy*. 2013 Feb 18;3(1):7. doi: 10.1186/2045-7022-3-7. PMID: 23419058; PMCID: PMC3615946.
- 216: Maurer M, Rosén K, Hsieh HJ, Saini S, Grattan C, Giménez-Arnau A, Agarwal S, Doyle R, Canvin J, Kaplan A, Casale T. Omalizumab for the treatment of chronic idiopathic or spontaneous urticaria. *N Engl J Med*. 2013 Mar 7;368(10):924-35. doi: 10.1056/NEJMoa1215372. Epub 2013 Feb 24. Erratum in: *N Engl J Med*. 2013 Jun 13;368(24):2340-1. PMID: 23432142.
- 217: Burks AW, Calderon MA, Casale T, Cox L, Demoly P, Jutel M, Nelson H, Akdis CA. Update on allergy immunotherapy: American Academy of Allergy, Asthma & Immunology/European Academy of Allergy and Clinical Immunology/PRACTALL consensus report. *J Allergy Clin Immunol*. 2013 May;131(5):1288-96.e3. doi: 10.1016/j.jaci.2013.01.049. Epub 2013 Mar 14. PMID: 23498595.
- 218: Creticos PS, Maloney J, Bernstein DI, Casale T, Kaur A, Fisher R, Liu N, Murphy K, Nékám K, Nolte H. Randomized controlled trial of a ragweed allergy immunotherapy tablet in North American and European adults. *J Allergy Clin Immunol*. 2013 May;131(5):1342-9.e6. doi: 10.1016/j.jaci.2013.03.019. PMID: 23622121.
- 219: Casale TB, Olsen JA, DelasAlas HC. Aquagenic urticaria. *J Allergy Clin Immunol Pract*. 2013 May-Jun;1(3):295-6. doi: 10.1016/j.jaip.2013.02.003. Epub 2013 Apr 6. PMID: 24565488.
- 220: Vashisht P, Casale T. Omalizumab for treatment of allergic rhinitis. *Expert Opin Biol Ther*. 2013 Jun;13(6):933-45. doi: 10.1517/14712598.2013.795943. Epub 2013 Apr 29. PMID: 23621175.
- 221: Passalacqua G, Baena-Cagnani CE, Bousquet J, Canonica GW, Casale TB, Cox L, Durham SR, Larenas-Linnemann D, Ledford D, Pawankar R, Potter P, Rosario N, Wallace D, Lockett RF. Grading local side effects of sublingual immunotherapy for respiratory allergy: speaking the same language. *J Allergy Clin Immunol*. 2013 Jul;132(1):93-8. doi: 10.1016/j.jaci.2013.03.039. Epub 2013 May 15. PMID: 23683513.
- 222: Casale TB, Cruz C. Anaphylaxis to cat in a child with exclusive sensitivity to Fel d 1. *J Allergy Clin Immunol Pract*. 2013 Jul-Aug;1(4):416-7. doi: 10.1016/j.jaip.2013.04.011. Epub 2013 Jun 28. PMID: 24565552.
- 223: Calderón MA, Casale T, Cox L, Akdis CA, Burks AW, Nelson HS, Jutel M, Demoly P. Allergen immunotherapy: a new semantic framework from the European

Academy of Allergy and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL consensus report. *Allergy*. 2013 Jul;68(7):825-8. doi: 10.1111/all.12180. PMID: 24010140.

224: Cox L, Aaronson D, Casale TB, Honsinger R, Weber R. Allergy immunotherapy safety: location matters! *J Allergy Clin Immunol Pract*. 2013 Sep-Oct;1(5):455-7. doi: 10.1016/j.jaip.2013.08.001. Epub 2013 Aug 30. PMID: 24565616.

225: Calderon MA, Casale TB, Nelson HS, Demoly P. An evidence-based analysis of house dust mite allergen immunotherapy: a call for more rigorous clinical studies. *J Allergy Clin Immunol*. 2013 Dec;132(6):1322-36. doi: 10.1016/j.jaci.2013.09.004. Epub 2013 Oct 18. PMID: 24139829.

226: Casale TB. Omalizumab for chronic urticaria. *J Allergy Clin Immunol Pract*. 2014 Jan-Feb;2(1):118-9. doi: 10.1016/j.jaip.2013.11.004. PMID: 24565785.

227: Casale TB, Stokes JR. Immunotherapy: what lies beyond. *J Allergy Clin Immunol*. 2014 Mar;133(3):612-9; quiz 620. doi: 10.1016/j.jaci.2014.01.007. PMID: 24581428.

228: Casale TB, Burks AW. Clinical practice. Hymenoptera-sting hypersensitivity. *N Engl J Med*. 2014 Apr 10;370(15):1432-9. doi: 10.1056/NEJMcp1302681. PMID: 24716682.

229: Weller K, Groffik A, Church MK, Hawro T, Krause K, Metz M, Martus P, Casale TB, Staubach P, Maurer M. Development and validation of the Urticaria Control Test: a patient-reported outcome instrument for assessing urticaria control. *J Allergy Clin Immunol*. 2014 May;133(5):1365-72, 1372.e1-6. doi: 10.1016/j.jaci.2013.12.1076. Epub 2014 Feb 9. PMID: 24522090.

230: Rosén K, Maurer M, Hsieh H, Saini S, Grattan C, Giménez-Arnau A, Agarwal S, Doyle R, Canvin J, Kaplan A, Casale T. Response to: 'Omalizumab for the treatment of chronic idiopathic or spontaneous urticaria: a critical appraisal'. *Br J Dermatol*. 2014 Jul;171(1):15-6. doi: 10.1111/bjd.13075. PMID: 25066290.

231: European Innovation Partnership on Active and Healthy Ageing, Action Plan B3; Mechanisms of the Development of Allergy, WP 10; Global Alliance against Chronic Respiratory Diseases, Bousquet J, Addis A, Adcock I, Agache I, Agusti A, Alonso A, Annesi-Maesano I, Anto JM, Bachert C, Baena-Cagnani CE, Bai C, Baigenzhin A, Barbara C, Barnes PJ, Bateman ED, Beck L, Bedbrook A, Bel EH, Benezet O, Bennoor KS, Benson M, Bernabeu-Wittel M, Bewick M, Bindeslev-Jensen C, Blain H, Blasi F, Bonini M, Bonini S, Boulet LP, Bourdin A, Bourret R, Bousquet PJ, Brightling CE, Briggs A, Brozek J, Buhl R, Bush A, Caimmi D, Calderon M, Calverley P, Camargos PA, Camuzat T, Canonica GW, Carlsen KH, Casale TB, Cazzola M, Cepeda Sarabia AM, Cesario A, Chen YZ, Chkhartishvili E, Chavannes NH, Chiron R, Chuchalin A, Chung KF, Cox L, Crooks G, Crooks MG, Cruz AA, Custovic A, Dahl R, Dahlen SE, De Blay F, Dedeu T, Deleanu D, Demoly P, Devillier P, Didier A, Dinh-Xuan AT, Djukanovic R, Dokic D, Douagui H, Dubakiene R, Eglin S, Elliot F, Emuzyte R, Fabbri L, Fink Wagner A, Fletcher M, Fokkens WJ, Fonseca J, Franco A, Frith P, Furber A, Gaga M, Garcés J, Garcia-Aymerich J, Gamkrelidze A, Gonzales-Diaz S, Gouzi F, Guzmán MA, Haahtela T, Harrison D, Hayot M, Heaney LG, Heinrich

J, Hellings PW, Hooper J, Humbert M, Hyland M, Iaccarino G, Jakovenko D, Jardim JR, Jeandel C, Jenkins C, Johnston SL, Jonquet O, Joos G, Jung KS, Kalayci O, Karunanithi S, Keil T, Khaltaev N, Kolek V, Kowalski ML, Kull I, Kuna P, Kvedariene V, Le LT, Lodrup Carlsen KC, Louis R, MacNee W, Mair A, Majer I, Manning P, de Manuel Keenoy E, Masjedi MR, Melen E, Melo-Gomes E, Menzies-Gow A, Mercier G, Mercier J, Michel JP, Miculinic N, Mihaltan F, Milenkovic B, Molimard M, Momas I, Montilla-Santana A, Morais-Almeida M, Morgan M, N'Diaye M, Nafti S, Nekam K, Neou A, Nicod L, O'Hehir R, Ohta K, Paggiaro P, Palkonen S, Palmer S, Papadopoulos NG, Papi A, Passalacqua G, Pavord I, Pigearias B, Plavec D, Postma DS, Price D, Rabe KF, Radier Pontal F, Redon J, Rennard S, Roberts J, Robine JM, Roca J, Roche N, Rodenas F, Roggeri A, Rolland C, Rosado-Pinto J, Ryan D, Samolinski B, Sanchez-Borges M, Schünemann HJ, Sheikh A, Shields M, Siafakas N, Sibille Y, Similowski T, Small I, Sola-Morales O, Sooronbaev T, Stelmach R, Sterk PJ, Stiris T, Sud P, Tellier V, To T, Todo-Bom A, Triggiani M, Valenta R, Valero AL, Valiulis A, Valovirta E, Van Ganse E, Vandendplas O, Vasankari T, Vestbo J, Vezzani G, Viegi G, Visier L, Vogelmeier C, Vontetsianos T, Wagstaff R, Wahn U, Wallaert B, Whalley B, Wickman M, Williams DM, Wilson N, Yawn BP, Yiallourous PK, Yorgancioglu A, Yusuf OM, Zar HJ, Zhong N, Zidarn M, Zuberbier T. Integrated care pathways for airway diseases (AIRWAYS-ICPs). *Eur Respir J*. 2014 Aug;44(2):304-23. doi: 10.1183/09031936.00014614. Epub 2014 Jun 12. PMID: 24925919.

232: Barnes PJ, Casale TB, Dahl R, Pavord ID, Wechsler ME. The Asthma Control Questionnaire as a clinical trial endpoint: past experience and recommendations for future use. *Allergy*. 2014 Sep;69(9):1119-40. doi: 10.1111/all.12415. Epub 2014 Jul 15. PMID: 25039248.

233: Stokes JR, Casale TB. The use of anti-IgE therapy beyond allergic asthma. *J Allergy Clin Immunol Pract*. 2015 Mar-Apr;3(2):162-6. doi: 10.1016/j.jaip.2014.10.010. Epub 2015 Jan 16. PMID: 25609342.

234: Tabatabaian F, Casale TB. Selection of patients for sublingual immunotherapy (SLIT) versus subcutaneous immunotherapy (SCIT). *Allergy Asthma Proc*. 2015 Mar-Apr;36(2):100-4. doi: 10.2500/aap.2015.36.3830. Erratum in: *Allergy Asthma Proc*. 2015 May-Jun;36(3):217. PMID: 25715238.

235: Cooke A, Bulkhi A, Casale TB. Role of biologics in intractable urticaria. *Biologics*. 2015 Apr 13;9:25-33. doi: 10.2147/BTT.S63839. PMID: 25926715; PMCID: PMC4403603.

236: Kerstjens HA, Casale TB, Bleecker ER, Meltzer EO, Pizzichini E, Schmidt O, Engel M, Bour L, Verkleij CB, Moroni-Zentgraf P, Bateman ED. Tiotropium or salmeterol as add-on therapy to inhaled corticosteroids for patients with moderate symptomatic asthma: two replicate, double-blind, placebo-controlled, parallel-group, active-comparator, randomised trials. *Lancet Respir Med*. 2015 May;3(5):367-76. doi: 10.1016/S2213-2600(15)00031-4. Epub 2015 Feb 12. PMID: 25682232.

237: Demoly P, Calderon MA, Casale TB, Malling HJ, Wahn U. "The value of pre- and co-seasonal sublingual immunotherapy in pollen-induced allergic rhinoconjunctivitis". *Clin Transl Allergy*. 2015 May 4;5:18. doi:

10.1186/s13601-015-0061-z. PMID: 25941566; PMCID: PMC4418040.

238: Calderon MA, Cox L, Casale TB, Mösges R, Pfaar O, Malling HJ, Sastre J, Khaitov M, Demoly P. The effect of a new communication template on anticipated willingness to initiate or resume allergen immunotherapy: an internet-based patient survey. *Allergy Asthma Clin Immunol*. 2015 May 22;11(1):17. doi: 10.1186/s13223-015-0083-z. PMID: 26015786; PMCID: PMC4443522.

239: Tanno LK, Calderon MA, Goldberg BJ, Gayraud J, Bircher AJ, Casale T, Li J, Sanchez-Borges M, Rosenwasser LJ, Pawankar R, Papadopoulos NG, Demoly P. Constructing a classification of hypersensitivity/allergic diseases for ICD-11 by crowdsourcing the allergist community. *Allergy*. 2015 Jun;70(6):609-15. doi: 10.1111/all.12604. Epub 2015 Mar 17. PMID: 25736171.

240: Jiang H, Xie Y, Abel PW, Wolff DW, Toews ML, Panettieri RA Jr, Casale TB, Tu Y. Regulator of G-protein signaling 2 repression exacerbates airway hyper-responsiveness and remodeling in asthma. *Am J Respir Cell Mol Biol*. 2015 Jul;53(1):42-9. doi: 10.1165/rcmb.2014-0319OC. PMID: 25368964; PMCID: PMC4566111.

241: Cooke A, Fergeson J, Bulkhi A, Casale TB. The Electronic Cigarette: The Good, the Bad, and the Ugly. *J Allergy Clin Immunol Pract*. 2015 Jul-Aug;3(4):498-505. doi: 10.1016/j.jaip.2015.05.022. PMID: 26164573.

242: Casale TB. COPD: The Not So Good, the Bad, and the Ugly! *J Allergy Clin Immunol Pract*. 2015 Jul-Aug;3(4):519-20. doi: 10.1016/j.jaip.2015.04.014. PMID: 26164575.

243: Casale TB, Cole J, Beck E, Vogelmeier CF, Willers J, Lassen C, Hammann-Haenni A, Trokan L, Saudan P, Wechsler ME. CYT003, a TLR9 agonist, in persistent allergic asthma - a randomized placebo-controlled Phase 2b study. *Allergy*. 2015 Sep;70(9):1160-8. doi: 10.1111/all.12663. Epub 2015 Jun 22. PMID: 26042362.

244: Casale TB, Bernstein JA, Maurer M, Saini SS, Trzaskoma B, Chen H, Grattan CE, Giménez-Arnau A, Kaplan AP, Rosén K. Similar Efficacy with Omalizumab in Chronic Idiopathic/Spontaneous Urticaria Despite Different Background Therapy. *J Allergy Clin Immunol Pract*. 2015 Sep-Oct;3(5):743-50.e1. doi: 10.1016/j.jaip.2015.04.015. Epub 2015 Jun 6. PMID: 26054553.

245: Bousquet J, Schunemann HJ, Fonseca J, Samolinski B, Bachert C, Canonica GW, Casale T, Cruz AA, Demoly P, Hellings P, Valiulis A, Wickman M, Zuberbier T, Bosnic-Anticevitch S, Bedbrook A, Bergmann KC, Caimmi D, Dahl R, Fokkens WJ, Gristle I, Lodrup Carlsen K, Mullol J, Muraro A, Palkonen S, Papadopoulos N, Passalacqua G, Ryan D, Valovirta E, Yorgancioglu A, Aberer W, Agache I, Adachi M, Akdis CA, Akdis M, Annesi-Maesano I, Ansotegui IJ, Anto JM, Arnavielhe S, Arshad H, Baiardini I, Baigenzhin AK, Barbara C, Bateman ED, Beghé B, Bel EH, Ben Kheder A, Bennoor KS, Benson M, Bewick M, Bieber T, Bindeslev-Jensen C, Bjermer L, Blain H, Boner AL, Boulet LP, Bonini M, Bonini S, Bosse I, Bourret R, Bousquet PJ, Braido F, Briggs AH, Brightling CE, Brozek J, Buhl R, Burney PG, Bush A, Caballero-Fonseca F, Calderon MA, Camargos PA, Camuzat T, Carlsen KH, Carr W, Cepeda Sarabia AM, Chavannes NH, Chatzi L, Chen YZ, Chiron R,

Chkhartishvili E, Chuchalin AG, Ciprandi G, Cirule I, Correia de Sousa J, Cox L, Crooks G, Costa DJ, Custovic A, Dahlen SE, Darsow U, De Carlo G, De Blay F, Dedeu T, Deleanu D, Denburg JA, Devillier P, Didier A, Dinh-Xuan AT, Dokic D, Douagui H, Dray G, Dubakiene R, Durham SR, Dykewicz MS, El-Gamal Y, Emuzyte R, Fink Wagner A, Fletcher M, Fiocchi A, Forastiere F, Gamkrelidze A, Gemicioğlu B, Gereda JE, González Diaz S, Gotua M, Grouse L, Guzmán MA, Haahtela T, Hellquist-Dahl B, Heinrich J, Horak F, Hourihane JO, Howarth P, Humbert M, Hyland ME, Ivancevich JC, Jares EJ, Johnston SL, Joos G, Jonquet O, Jung KS, Just J, Kaidashev I, Kalayci O, Kalyoncu AF, Keil T, Keith PK, Khaltayev N, Klimek L, Koffi N'Goran B, Kolek V, Koppelman GH, Kowalski ML, Kull I, Kuna P, Kvedariene V, Lambrecht B, Lau S, Larenas-Linnemann D, Laune D, Le LT, Lieberman P, Lipworth B, Li J, Louis R, Magard Y, Magnan A, Mahboub B, Majer I, Makela MJ, Manning P, De Manuel Keenoy E, Marshall GD, Masjedi MR, Maurer M, Mavale-Manuel S, Melén E, Melo-Gomes E, Meltzer EO, Merk H, Miculinic N, Mihaltan F, Milenkovic B, Mohammad Y, Molimard M, Momas I, Montilla-Santana A, Morais-Almeida M, Mösges R, Namazova-Baranova L, Naclerio R, Neou A, Neffen H, Nekam K, Niggemann B, Nyembue TD, O'Hehir RE, Ohta K, Okamoto Y, Okubo K, Ouedraogo S, Paggiaro P, Pali-Schöll I, Palmer S, Panzner P, Papi A, Park HS, Pavord I, Pawankar R, Pfaar O, Picard R, Pigearias B, Pin I, Plavec D, Pohl W, Popov TA, Portejoie F, Postma D, Potter P, Price D, Rabe KF, Raciborski F, Radier Pontal F, Repka-Ramirez S, Robalo-Cordeiro C, Rolland C, Rosado-Pinto J, Reitamo S, Rodenas F, Roman Rodriguez M, Romano A, Rosario N, Rosenwasser L, Rottem M, Sanchez-Borges M, Scadding GK, Serrano E, Schmid-Grendelmeier P, Sheikh A, Simons FE, Sisul JC, Skrindo I, Smit HA, Solé D, Sooronbaev T, Spranger O, Stelmach R, Strandberg T, Sunyer J, Thijs C, Todo-Bom A, Triggiani M, Valenta R, Valero AL, van Hage M, Vandenplas O, Vezzani G, Vichyanond P, Viegi G, Wagenmann M, Walker S, Wang DY, Wahn U, Williams DM, Wright J, Yawn BP, Yiallourous PK, Yusuf OM, Zar HJ, Zernotti ME, Zhang L, Zhong N, Zidarn M, Mercier J. MACVIA-ARIA Sentinel Network for allergic rhinitis (MASK-rhinitis): the new generation guideline implementation. *Allergy*. 2015 Nov;70(11):1372-92. doi: 10.1111/all.12686. Epub 2015 Sep 13. PMID: 26148220.

246: Casale TB, Lemanske RF Jr. In-Flight Medical Emergencies. *N Engl J Med*. 2016 Jan 21;374(3):291-2. doi: 10.1056/NEJMc1512716. PMID: 26789894.

247: Li JT, Bernstein DI, Calderon MA, Casale TB, Cox L, Passalacqua G, Pfaar O, Papadopoulos NG. Sublingual grass and ragweed immunotherapy: Clinical considerations—a PRACTALL consensus report. *J Allergy Clin Immunol*. 2016 Feb;137(2):369-76. doi: 10.1016/j.jaci.2015.06.046. Epub 2015 Sep 12. PMID: 26371843.

248: Dhimi S, Nurmatov U, Agache I, Lau S, Muraro A, Jutel M, Roberts G, Akdis C, Bonini M, Calderon M, Casale T, Cavkaytar O, Cox L, Demoly P, Flood B, Hamelmann E, Izuhara K, Kalayci Ö, Kleine-Tebbe J, Nieto A, Papadopoulos N, Pfaar O, Rosenwasser L, Ryan D, Schmidt-Weber C, Szefer S, Wahn U, van Wijck RG, Wilkinson J, Sheikh A. Allergen immunotherapy for allergic asthma: protocol for a systematic review. *Clin Transl Allergy*. 2016 Feb 9;6:5. doi: 10.1186/s13601-016-0094-y. Erratum in: *Clin Transl Allergy*. 2017 Sep 15;7:32. PMID: 26862389; PMCID: PMC4746770.

249: Sarfaty M, Kreslake JM, Casale TB, Maibach EW. Views of AAAAI members on

climate change and health. *J Allergy Clin Immunol Pract*. 2016 Mar-Apr;4(2):333-5.e26. doi: 10.1016/j.jaip.2015.09.018. Epub 2015 Dec 17. PMID: 26703816.

250: Bousquet J, Barbara C, Bateman E, Bel E, Bewick M, Chavannes NH, Cruz AA, Haahtela T, Hellings PW, Khaltaev N, Lodrup Carlsen K, Muraro A, Cordeiro CR, Rosado-Pinto J, Samolinski B, Strandberg T, Valiulis A, Yorgancioglu A, Zuberbier T; AIRWAYS-ICPs working group. AIRWAYS-ICPs (European Innovation Partnership on Active and Healthy Ageing) from concept to implementation. *Eur Respir J*. 2016 Apr;47(4):1028-33. doi: 10.1183/13993003.01856-2015. PMID: 27037308.

251: Muraro A, Lemanske RF Jr, Hellings PW, Akdis CA, Bieber T, Casale TB, Jutel M, Ong PY, Poulsen LK, Schmid-Grendelmeier P, Simon HU, Seys SF, Agache I. Precision medicine in patients with allergic diseases: Airway diseases and atopic dermatitis-PRACTALL document of the European Academy of Allergy and Clinical Immunology and the American Academy of Allergy, Asthma & Immunology. *J Allergy Clin Immunol*. 2016 May;137(5):1347-58. doi: 10.1016/j.jaci.2016.03.010. PMID: 27155030.

252: Tanno LK, Calderon MA, Papadopoulos NG, Sanchez-Borges M, Rosenwasser LJ, Bousquet J, Pawankar R, Sisul JC, Cepeda AM, Li J, Muraro A, Fineman S, Sublett JL, Katelaris CH, Chang YS, Moon HB, Casale T, Demoly P; Joint Allergy Academies. Revisiting Desensitization and Allergen Immunotherapy Concepts for the International Classification of Diseases (ICD)-11. *J Allergy Clin Immunol Pract*. 2016 Jul-Aug;4(4):643-9. doi: 10.1016/j.jaip.2015.12.022. Epub 2016 Mar 8. PMID: 26969269.

253: Tanno LK, Calderon MA, Li J, Casale T, Demoly P; Joint Allergy Academies. Updating Allergy and/or Hypersensitivity Diagnostic Procedures in the WHO ICD-11 Revision. *J Allergy Clin Immunol Pract*. 2016 Jul-Aug;4(4):650-7. doi: 10.1016/j.jaip.2016.01.015. Epub 2016 Apr 20. PMID: 27107691.

254: Bulkhi A, Tabatabaian F, Casale TB. Long-Acting Muscarinic Antagonists for Difficult-to-Treat Asthma: Emerging Evidence and Future Directions. *Drugs*. 2016 Jul;76(10):999-1013. doi: 10.1007/s40265-016-0599-7. PMID: 27289376.

255: Bousquet J, Farrell J, Crooks G, Hellings P, Bel EH, Bewick M, Chavannes NH, de Sousa JC, Cruz AA, Haahtela T, Joos G, Khaltaev N, Malva J, Muraro A, Nogues M, Palkonen S, Pedersen S, Robalo-Cordeiro C, Samolinski B, Strandberg T, Valiulis A, Yorgancioglu A, Zuberbier T, Bedbrook A, Aberer W, Adachi M, Agusti A, Akdis CA, Akdis M, Ankri J, Alonso A, Annesi-Maesano I, Ansotegui IJ, Anto JM, Arnavielhe S, Arshad H, Bai C, Baiardini I, Bachert C, Baigenzhin AK, Barbara C, Bateman ED, Beghé B, Kheder AB, Bennoor KS, Benson M, Bergmann KC, Bieber T, Bindslev-Jensen C, Bjermer L, Blain H, Blasi F, Boner AL, Bonini M, Bonini S, Bosnic-Anticevitch S, Boulet LP, Bourret R, Bousquet PJ, Braidó F, Briggs AH, Brightling CE, Brozek J, Buhl R, Burney PG, Bush A, Caballero-Fonseca F, Caimmi D, Calderon MA, Calverley PM, Camargos PA, Canonica GW, Camuzat T, Carlsen KH, Carr W, Carriazo A, Casale T, Cepeda Sarabia AM, Chatzi L, Chen YZ, Chiron R, Chkhartishvili E, Chuchalin AG, Chung KF, Ciprandi G, Cirule I, Cox L, Costa DJ, Custovic A, Dahl R, Dahlen SE, Darsow U, De Carlo G, De Blay F, Dedeu

T, Deleanu D, De Manuel Keenoy E, Demoly P, Denburg JA, Devillier P, Didier A, Dinh-Xuan AT, Djukanovic R, Dokic D, Douagui H, Dray G, Dubakiene R, Durham SR, Dykewicz MS, El-Gamal Y, Emuzyte R, Fabbri LM, Fletcher M, Fiocchi A, Fink Wagner A, Fonseca J, Fokkens WJ, Forastiere F, Frith P, Gaga M, Gamkrelidze A, Garces J, Garcia-Aymerich J, Gemicioğlu B, Gereda JE, González Diaz S, Gotua M, Grisle I, Grouse L, Gutter Z, Guzmán MA, Heaney LG, Hellquist-Dahl B, Henderson D, Hendry A, Heinrich J, Heve D, Horak F, Hourihane JO, Howarth P, Humbert M, Hyland ME, Illario M, Ivancevich JC, Jardim JR, Jares EJ, Jeandel C, Jenkins C, Johnston SL, Jonquet O, Julge K, Jung KS, Just J, Kaidashev I, Kaitov MR, Kalayci O, Kalyoncu AF, Keil T, Keith PK, Klimek L, Koffi N'Goran B, Kolek V, Koppelman GH, Kowalski ML, Kull I, Kuna P, Kvedariene V, Lambrecht B, Lau S, Larenas-Linnemann D, Laune D, Le LT, Lieberman P, Lipworth B, Li J, Lodrup Carlsen K, Louis R, MacNee W, Magard Y, Magnan A, Mahboub B, Mair A, Majer I, Makela MJ, Manning P, Mara S, Marshall GD, Masjedi MR, Matignon P, Maurer M, Mavale-Manuel S, Melén E, Melo-Gomes E, Meltzer EO, Menzies-Gow A, Merk H, Michel JP, Miculinic N, Mihaltan F, Milenkovic B, Mohammad GM, Molimard M, Momas I, Montilla-Santana A, Morais-Almeida M, Morgan M, Mösges R, Mullol J, Nafti S, Namazova-Baranova L, Naclerio R, Neou A, Neffen H, Nekam K, Niggemann B, Ninot G, Nyembue TD, O'Hehir RE, Ohta K, Okamoto Y, Okubo K, Ouedraogo S, Paggiaro P, Pali-Schöll I, Panzner P, Papadopoulos N, Papi A, Park HS, Passalacqua G, Pavord I, Pawankar R, Pengelly R, Pfaar O, Picard R, Pigearias B, Pin I, Plavec D, Poethig D, Pohl W, Popov TA, Portejoie F, Potter P, Postma D, Price D, Rabe KF, Raciborski F, Radier Pontal F, Repka-Ramirez S, Reitamo S, Rennard S, Rodenas F, Roberts J, Roca J, Rodriguez Mañas L, Rolland C, Roman Rodriguez M, Romano A, Rosado-Pinto J, Rosario N, Rosenwasser L, Rottem M, Ryan D, Sanchez-Borges M, Scadding GK, Schunemann HJ, Serrano E, Schmid-Grendelmeier P, Schulz H, Sheikh A, Shields M, Siafakas N, Sibille Y, Similowski T, Simons FE, Sisul JC, Skrindo I, Smit HA, Solé D, Sooronbaev T, Spranger O, Stelmach R, Sterk PJ, Sunyer J, Thijs C, To T, Todo-Bom A, Triggiani M, Valenta R, Valero AL, Valia E, Valovirta E, Van Ganse E, van Hage M, Vandenplas O, Vasankari T, Vellas B, Vestbo J, Vezzani G, Vichyanond P, Viegi G, Vogelmeier C, Vontetsianos T, Wagenmann M, Wallaert B, Walker S, Wang DY, Wahn U, Wickman M, Williams DM, Williams S, Wright J, Yawn BP, Yiallourous PK, Yusuf OM, Zaidi A, Zar HJ, Zernotti ME, Zhang L, Zhong N, Zidarn M, Mercier J. Scaling up strategies of the chronic respiratory disease programme of the European Innovation Partnership on Active and Healthy Ageing (Action Plan B3: Area 5). *Clin Transl Allergy*. 2016 Jul 29;6:29. doi: 10.1186/s13601-016-0116-9. Erratum in: *Clin Transl Allergy*. 2017 Feb 20;7:5. PMID: 27478588; PMCID: PMC4966705.

256: Bousquet J, Schünemann HJ, Hellings PW, Arnavielhe S, Bachert C, Bedbrook A, Bergmann KC, Bosnic-Anticevich S, Brozek J, Calderon M, Canonica GW, Casale TB, Chavannes NH, Cox L, Chrystyn H, Cruz AA, Dahl R, De Carlo G, Demoly P, Devillier P, Dray G, Fletcher M, Fokkens WJ, Fonseca J, Gonzalez-Diaz SN, Grouse L, Keil T, Kuna P, Larenas-Linnemann D, Lodrup Carlsen KC, Meltzer EO, Mullol J, Muraro A, Naclerio RN, Palkonen S, Papadopoulos NG, Passalacqua G, Price D, Ryan D, Samolinski B, Scadding GK, Sheikh A, Spertini F, Valiulis A, Valovirta E, Walker S, Wickman M, Yorgancioglu A, Hahtela T, Zuberbier T; MASK study group*. MACVIA clinical decision algorithm in adolescents and adults with allergic rhinitis. *J Allergy Clin Immunol*. 2016 Aug;138(2):367-374.e2. doi: 10.1016/j.jaci.2016.03.025. Epub 2016 Apr 23. PMID: 27260321.

- 257: Stokes JR, Casale TB. Characterization of asthma endotypes: implications for therapy. *Ann Allergy Asthma Immunol*. 2016 Aug;117(2):121-5. doi: 10.1016/j.anai.2016.05.016. PMID: 27499539.
- 258: Xie Y, Jiang H, Zhang Q, Mehrotra S, Abel PW, Toews ML, Wolff DW, Rennard S, Panettieri RA Jr, Casale TB, Tu Y. Upregulation of RGS2: a new mechanism for pirfenidone amelioration of pulmonary fibrosis. *Respir Res*. 2016 Aug 22;17(1):103. doi: 10.1186/s12931-016-0418-4. PMID: 27549302; PMCID: PMC4994235.
- 259: Tanno LK, Calderon MA, Papadopoulos NG, Sanchez-Borges M, Moon HB, Sisul JC, Jares EJ, Sublett JL, Casale T, Demoly P; Joint Allergy Academies. Surveying the new Allergic and hypersensitivity conditions chapter of the International Classification of Diseases (ICD)-11. *Allergy*. 2016 Sep;71(9):1235-40. doi: 10.1111/all.12945. PMID: 27253871.
- 260: Creticos PS, Bernstein DI, Casale TB, Lockey RF, Maloney J, Nolte H. Coseasonal Initiation of Allergen Immunotherapy: A Systematic Review. *J Allergy Clin Immunol Pract*. 2016 Nov-Dec;4(6):1194-1204.e4. doi: 10.1016/j.jaip.2016.05.014. Epub 2016 Jun 24. PMID: 27349175.
- 261: Tanno LK, Calderon M, Sublett JL, Casale T, Demoly P; Joint Allergy Academies. Smoothing the transition from International Classification of Diseases, Tenth Revision, Clinical Modification to International Classification of Diseases, Eleventh Revision. *J Allergy Clin Immunol Pract*. 2016 Nov-Dec;4(6):1265-1267. doi: 10.1016/j.jaip.2016.06.024. Epub 2016 Aug 18. PMID: 27546357.
- 262: Calderon MA, Demoly P, Casale T, Akdis CA, Bachert C, Bewick M, Bilò BM, Bohle B, Bonini S, Bush A, Caimmi DP, Canonica GW, Cardona V, Chiriac AM, Cox L, Custovic A, De Blay F, Devillier P, Didier A, Di Lorenzo G, Du Toit G, Durham SR, Eng P, Fiocchi A, Fox AT, van Wijk RG, Gomez RM, Haathela T, Halcken S, Hellings PW, Jacobsen L, Just J, Tanno LK, Kleine-Tebbe J, Klimek L, Knol EF, Kuna P, Larenas-Linnemann DE, Linneberg A, Matricardi M, Malling HJ, Moesges R, Mullol J, Muraro A, Papadopoulos N, Passalacqua G, Pastorello E, Pfaar O, Price D, Del Rio PR, Ruëff R, Samolinski B, Scadding GK, Senti G, Shamji MH, Sheikh A, Sisul JC, Sole D, Sturm GJ, Tabar A, Van Ree R, Ventura MT, Vidal C, Varga EM, Worm M, Zuberbier T, Bousquet J. Allergy immunotherapy across the life cycle to promote active and healthy ageing: from research to policies: An AIRWAYS Integrated Care Pathways (ICPs) programme item (Action Plan B3 of the European Innovation Partnership on active and healthy ageing) and the Global Alliance against Chronic Respiratory Diseases (GARD), a World Health Organization GARD research demonstration project. *Clin Transl Allergy*. 2016 Nov 23;6:41. doi: 10.1186/s13601-016-0131-x. PMID: 27895895; PMCID: PMC5120439.
- 263: Bousquet J, Hellings PW, Agache I, Bedbrook A, Bachert C, Bergmann KC, Bewick M, Bindeslev-Jensen C, Bosnic-Anticevitch S, Bucca C, Caimmi DP, Camargos PA, Canonica GW, Casale T, Chavannes NH, Cruz AA, De Carlo G, Dahl R, Demoly P, Devillier P, Fonseca J, Fokkens WJ, Guldemond NA, Haahtela T, Illario M, Just J, Keil T, Klimek L, Kuna P, Larenas-Linnemann D, Morais-Almeida M, Mullol J, Murray R, Naclerio R, O'Hehir RE, Papadopoulos NG, Pawankar R, Potter P, Ryan D, Samolinski B, Schunemann HJ, Sheikh A, Simons FE, Stellato C, Todo-Bom A,

Tomazic PV, Valiulis A, Valovirta E, Ventura MT, Wickman M, Young I, Yorgancioglu A, Zuberbier T, Aberer W, Akdis CA, Akdis M, Annesi-Maesano I, Ankri J, Ansotegui IJ, Anto JM, Arnavielhe S, Asarnoj A, Arshad H, Avolio F, Baiardini I, Barbara C, Barbagallo M, Bateman ED, Beghé B, Bel EH, Bennoor KS, Benson M, Białoszewski AZ, Bieber T, Bjermer L, Blain H, Blasi F, Boner AL, Bonini M, Bonini S, Bosse I, Bouchard J, Boulet LP, Bourret R, Bousquet PJ, Braido F, Briggs AH, Brightling CE, Brozek J, Buhl R, Bunu C, Burte E, Bush A, Caballero-Fonseca F, Calderon MA, Camuzat T, Cardona V, Carreiro-Martins P, Carriazo AM, Carlsen KH, Carr W, Cepeda Sarabia AM, Cesari M, Chatzi L, Chiron R, Chivato T, Chkhartishvili E, Chuchalin AG, Chung KF, Ciprandi G, de Sousa JC, Cox L, Crooks G, Custovic A, Dahlen SE, Darsow U, Dedeu T, Deleanu D, Denburg JA, De Vries G, Didier A, Dinh-Xuan AT, Dokic D, Douagui H, Dray G, Dubakiene R, Durham SR, Du Toit G, Dykewicz MS, Eklund P, El-Gamal Y, Eilers E, Emuzyte R, Farrell J, Fink Wagner A, Fiocchi A, Fletcher M, Forastiere F, Gaga M, Gamkrelidze A, Gemicioglu B, Gereda JE, van Wick RG, González Diaz S, Grisle I, Grouse L, Gutter Z, Guzmán MA, Hellquist-Dahl B, Heinrich J, Horak F, Hourihane JO, Humbert M, Hyland M, Iaccarino G, Jares EJ, Jeandel C, Johnston SL, Joos G, Jonquet O, Jung KS, Jutel M, Kaidashev I, Khaitov M, Kalayci O, Kalyoncu AF, Kardas P, Keith PK, Kerkhof M, Kerstjens HA, Khaltaev N, Kogevinas M, Kolek V, Koppelman GH, Kowalski ML, Kuitunen M, Kull I, Kvedariene V, Lambrecht B, Lau S, Laune D, Le LT, Lieberman P, Lipworth B, Li J, Lodrup Carlsen KC, Louis R, Lupinek C, MacNee W, Magar Y, Magnan A, Mahboub B, Maier D, Majer I, Malva J, Manning P, De Manuel Keenoy E, Marshall GD, Masjedi MR, Mathieu-Dupas E, Maurer M, Mavale-Manuel S, Melén E, Melo-Gomes E, Meltzer EO, Mercier J, Merk H, Miculinic N, Mihaltan F, Milenkovic B, Millot-Keurinck J, Mohammad Y, Momas I, Mösges R, Muraro A, Namazova-Baranova L, Nadif R, Neffen H, Nekam K, Nieto A, Niggemann B, Nogueira-Silva L, Nogues M, Nyembue TD, Ohta K, Okamoto Y, Okubo K, Olive-Elias M, Ouedraogo S, Paggiaro P, Pali-Schöll I, Palkonen S, Panzner P, Papi A, Park HS, Passalacqua G, Pedersen S, Pereira AM, Pfaar O, Picard R, Pigearias B, Pin I, Plavec D, Pohl W, Popov TA, Portejoie F, Postma D, Poulsen LK, Price D, Rabe KF, Raciborski F, Roberts G, Robalo-Cordeiro C, Rodenas F, Rodriguez-Mañás L, Rolland C, Roman Rodriguez M, Romano A, Rosado-Pinto J, Rosario N, Rottem M, Sanchez-Borges M, Sastre-Dominguez J, Scadding GK, Scichilone N, Schmid-Grendelmeier P, Serrano E, Shields M, Siroux V, Sisul JC, Skrindo I, Smit HA, Solé D, Sooronbaev T, Spranger O, Stelmach R, Sterk PJ, Strandberg T, Sunyer J, Thijs C, Triggiani M, Valenta R, Valero A, van Eerd M, van Ganse E, van Hague M, Vandenplas O, Varona LL, Vellas B, Vezzani G, Vazankari T, Viegi G, Vontetsianos T, Wagenmann M, Walker S, Wang DY, Wahn U, Werfel T, Whalley B, Williams DM, Williams S, Wilson N, Wright J, Yawn BP, Yiallourous PK, Yusuf OM, Zaidi A, Zar HJ, Zernotti ME, Zhang L, Zhong N, Zidarn M. ARIA 2016: Care pathways implementing emerging technologies for predictive medicine in rhinitis and asthma across the life cycle. *Clin Transl Allergy*. 2016 Dec 30;6:47. doi: 10.1186/s13601-016-0137-4. Erratum in: *Clin Transl Allergy*. 2019 Oct 10;9:53. PMID: 28050247; PMCID: PMC5203711.

264: Pepper AN, Calderón MA, Casale TB. Sublingual Immunotherapy for the Polyallergic Patient. *J Allergy Clin Immunol Pract*. 2017 Jan-Feb;5(1):41-45. doi: 10.1016/j.jaip.2016.06.019. Epub 2016 Jul 21. PMID: 27452888.

265: Nolte H, Casale TB, Lockey RF, Fogh BS, Kaur A, Lu S, Nelson HS. Epinephrine Use in Clinical Trials of Sublingual Immunotherapy Tablets. *J*

Allergy Clin Immunol Pract. 2017 Jan-Feb;5(1):84-89.e3. doi: 10.1016/j.jaip.2016.08.017. Epub 2016 Nov 9. PMID: 27838323.

266: Bulkhi A, Cooke AJ, Casale TB. Biologics in Chronic Urticaria. *Immunol Allergy Clin North Am*. 2017 Feb;37(1):95-112. doi: 10.1016/j.iac.2016.08.004. Epub 2016 Oct 28. PMID: 27886913.

267: Tanno LK, Sublett JL, Meadows JA, Calderon M, Gross GN, Casale T, Demoly P; Joint Allergy Academies. Perspectives on the International Classification of Diseases, 11th Revision, developments in allergy clinical practice in the United States. *Ann Allergy Asthma Immunol*. 2017 Feb;118(2):127-132. doi: 10.1016/j.anai.2016.11.003. Epub 2016 Dec 20. PMID: 28010916.

268: Bousquet J, Farrell J, Crooks G, Hellings P, Bel EH, Bewick M, Chavannes NH, de Sousa JC, Cruz AA, Haahtela T, Joos G, Khaltayev N, Malva J, Muraro A, Nogues M, Palkonen S, Pedersen S, Robalo-Cordeiro C, Samolinski B, Strandberg T, Valiulis A, Yorgancioglu A, Zuberbier T, Bedbrook A, Aberer W, Adachi M, Agusti A, Akdis CA, Akdis M, Ancri J, Alonso A, Annesi-Maesano I, Ansotegui IJ, Anto JM, Arnavielhe S, Arshad H, Bai C, Baiardini I, Bachert C, Baigenzhin AK, Barbara C, Bateman ED, Beghé B, Kheder AB, Bennoor KS, Benson M, Bergmann KC, Bieber T, Bindeslev-Jensen C, Bjermer L, Blain H, Blasi F, Boner AL, Bonini M, Bonini S, Bosnic-Anticevitch S, Boulet LP, Bourret R, Bousquet PJ, Braidó F, Briggs AH, Brightling CE, Brozek J, Buhl R, Burney PG, Bush A, Caballero-Fonseca F, Caimmi D, Calderon MA, Calverley PM, Camargos PAM, Canonica GW, Camuzat T, Carlsen KH, Carr W, Carriazo A, Casale T, Cepeda Sarabia AM, Chatzi L, Chen YZ, Chiron R, Chkhartishvili E, Chuchalin AG, Chung KF, Ciprandi G, Cirule I, Cox L, Costa DJ, Custovic A, Dahl R, Dahlen SE, Darsow U, De Carlo G, De Blay F, Dedeu T, Deleanu D, De Manuel Keenoy E, Demoly P, Denburg JA, Devillier P, Didier A, Dinh-Xuan AT, Djukanovic R, Dokic D, Douagui H, Dray G, Dubakiene R, Durham SR, Dykewicz MS, El-Gamal Y, Emuzyte R, Fabbri LM, Fletcher M, Fiocchi A, Fink Wagner A, Fonseca J, Fokkens WJ, Forastiere F, Frith P, Gaga M, Gamkrelidze A, Garces J, Garcia-Aymerich J, Gemicioğlu B, Gereda JE, González Díaz S, Gotua M, Grisle I, Grouse L, Gutter Z, Guzmán MA, Heaney LG, Hellquist-Dahl B, Henderson D, Hendry A, Heinrich J, Heve D, Horak F, Hourihane JOB, Howarth P, Humbert M, Hyland ME, Illario M, Ivancevich JC, Jardim JR, Jares EJ, Jeandel C, Jenkins C, Johnston SL, Jonquet O, Julge K, Jung KS, Just J, Kaidashev I, Khaitov MR, Kalayci O, Kalyoncu AF, Keil T, Keith PK, Klimek L, Koffi N'Goran B, Kolek V, Koppelman GH, Kowalski ML, Kull I, Kuna P, Kvedariene V, Lambrecht B, Lau S, Larenas-Linnemann D, Laune D, Le LTT, Lieberman P, Lipworth B, Li J, Lodrup Carlsen K, Louis R, MacNee W, Magard Y, Magnan A, Mahboub B, Mair A, Majer I, Makela MJ, Manning P, Mara S, Marshall GD, Masjedi MR, Matignon P, Maurer M, Mavale-Manuel S, Melén E, Melo-Gomes E, Meltzer EO, Menzies-Gow A, Merk H, Michel JP, Miculinic N, Mihaltan F, Milenkovic B, Mohammad GMY, Molimard M, Momas I, Montilla-Santana A, Morais-Almeida M, Morgan M, Mösges R, Mullol J, Nafti S, Namazova-Baranova L, Naclerio R, Neou A, Neffen H, Nekam K, Niggemann B, Ninot G, Nyembue TD, O'Hehir RE, Ohta K, Okamoto Y, Okubo K, Ouedraogo S, Paggiaro P, Pali-Schöll I, Panzner P, Papadopoulos N, Papi A, Park HS, Passalacqua G, Pavord I, Pawankar R, Pengelly R, Pfaar O, Picard R, Pigearias B, Pin I, Plavec D, Poethig D, Pohl W, Popov TA, Portejoie F, Potter P, Postma D, Price D, Rabe KF, Raciborski F, Radier Pontal F, Repka-Ramirez S, Reitamo S, Rennard S, Rodenas F, Roberts J, Roca J, Rodriguez Mañas L, Rolland C, Roman

Rodriguez M, Romano A, Rosado-Pinto J, Rosario N, Rosenwasser L, Rottem M, Ryan D, Sanchez-Borges M, Scadding GK, Schunemann HJ, Serrano E, Schmid-Grendelmeier P, Schulz H, Sheikh A, Shields M, Siafakas N, Sibille Y, Similowski T, Simons FER, Sisul JC, Skrindo I, Smit HA, Solé D, Sooronbaev T, Spranger O, Stelmach R, Sterk PJ, Sunyer J, Thijs C, To T, Todo-Bom A, Triggiani M, Valenta R, Valero AL, Valia E, Valovirta E, Van Ganse E, van Hage M, Vandenplas O, Vasankari T, Vellas B, Vestbo J, Vezzani G, Vichyanond P, Viegi G, Vogelmeier C, Vontetsianos T, Wagenmann M, Wallaert B, Walker S, Wang DY, Wahn U, Wickman M, Williams DM, Williams S, Wright J, Yawn BP, Yiallourous PK, Yusuf OM, Zaidi A, Zar HJ, Zernotti ME, Zhang L, Zhong N, Zidarn M, Mercier J. Erratum to: Scaling up strategies of the chronic respiratory disease programme of the European Innovation Partnership on Active and Healthy Ageing (Action Plan B3: Area 5). *Clin Transl Allergy*. 2017 Feb 20;7:5. doi: 10.1186/s13601-016-0135-6. Erratum for: *Clin Transl Allergy*. 2016 Jul 29;6:29. PMID: 28239450; PMCID: PMC5319069.

269: Ricketti PA, Alandijani S, Lin CH, Casale TB. Investigational new drugs for allergic rhinitis. *Expert Opin Investig Drugs*. 2017 Mar;26(3):279-292. doi: 10.1080/13543784.2017.1290079. PMID: 28141955.

270: Nelson HS, Calderon MA, Bernstein DI, Casale TB, Durham SR, Andersen JS, Esch R, Cox LS, Nolte H. Allergen Immunotherapy Clinical Trial Outcomes and Design: Working Toward Harmonization of Methods and Principles. *Curr Allergy Asthma Rep*. 2017 Mar;17(3):18. doi: 10.1007/s11882-017-0687-0. PMID: 28293909.

271: Yorgancioğlu AA, Kalaycı Ö, Cingi C, Gemicioğlu B, Kalyoncu AF, Agache I, Bachert C, Bedbrook A, Canonica GW, Casale T, Cruz A, Fokkens WE, Hellings P, Samolinski B, Bousquet J. ARIA 2016 yönetici özeti: Yaşam döngüsü boyunca hastalıkları öngörmeye yönelik tıp uygulamaları için bütünleştirilmiş yaklaşım yolları [ARIA 2016 executive summary: integrated care pathways for predictive medicine across the life cycle]. *Tuberk Toraks*. 2017 Mar;65(1):32-40. Turkish. doi: 10.5578/tt.52766. PMID: 28621247.

272: Zuberbier T, Abelson MB, Akdis CA, Bachert C, Berger U, Bindslev-Jensen C, Boelke G, Bousquet J, Canonica GW, Casale TB, Jutel M, Kowalski ML, Madonini E, Papadopoulos NG, Pfaar O, Sehlinger T, Bergmann KC; Global Allergy and Asthma European Network (GA(2)LEN) European Union Network of Excellence in Allergy and Asthma. Validation of the Global Allergy and Asthma European Network (GA²LEN) chamber for trials in allergy: Innovation of a mobile allergen exposure chamber. *J Allergy Clin Immunol*. 2017 Apr;139(4):1158-1166. doi: 10.1016/j.jaci.2016.08.025. Epub 2016 Sep 30. PMID: 27697498.

273: Demoly P, Makatsori M, Casale TB, Calderon MA. The Potential Role of Allergen Immunotherapy in Stepping Down Asthma Treatment. *J Allergy Clin Immunol Pract*. 2017 May-Jun;5(3):640-648. doi: 10.1016/j.jaip.2016.11.024. Epub 2016 Dec 30. PMID: 28042004.

274: Tabatabaian F, Ledford DK, Casale TB. Biologic and New Therapies in Asthma. *Immunol Allergy Clin North Am*. 2017 May;37(2):329-343. doi: 10.1016/j.iac.2017.01.007. PMID: 28366480.

275: Casale TB. Biologics and biomarkers for asthma, urticaria, and nasal

polyposis. *J Allergy Clin Immunol*. 2017 May;139(5):1411-1421. doi: 10.1016/j.jaci.2017.03.006. PMID: 28477720.

276: Dixon AE, Castro M, Gerald LB, Holbrook JT, Henderson RJ, Casale TB, Irvin CG, Black K, Wise RA, Sugar EA; American Lung Association Airways Clinical Research Centers' Writing Committee. Effect of intranasal corticosteroids on allergic airway disease in asthma. *J Allergy Clin Immunol Pract*. 2017 Jul-Aug;5(4):1125-1128.e3. doi: 10.1016/j.jaip.2017.02.022. Epub 2017 Apr 7. PMID: 28396113; PMCID: PMC5503758.

277: Tanno LK, Casale T, Papadopoulos NG, Sanchez-Borges M, Thiens F, Pawankar R, Calderon MA, Gómez M, Sisul JC, Ansoategui IJ, Sublett J, Demoly P. A call to arms of specialty societies to review the WHO International Classification of Diseases, Eleventh Revision terms appropriate for the diseases they manage: The example of the Joint Allergy Academies. *Allergy Asthma Proc*. 2017 Jul 1;38(4):54-55. doi: 10.2500/aap.2017.38.4063. PMID: 28668104.

278: Pepper AN, Renz H, Casale TB, Garn H. Biologic Therapy and Novel Molecular Targets of Severe Asthma. *J Allergy Clin Immunol Pract*. 2017 Jul-Aug;5(4):909-916. doi: 10.1016/j.jaip.2017.04.038. PMID: 28689841.

279: Ivancevich JC, Neffen H, Zernotti ME, Asayag E, Blua A, Cicerán A, Jares EJ, Lavrut AJ, Máspero JF, Agache I, Bachert C, Bedbrook A, Canonica GW, Casale TB, Cruz ÁA, Fokkens WJ, Hellings PW, Samolinski B, Bousquet J. Resumen ejecutivo de ARIA 2016: vías integradas de atención para la medicina predictiva a lo largo del ciclo de vida en Argentina [ARIA 2016 executive summary: Integrated care pathways for predictive medicine throughout the life cycle in Argentina]. *Rev Alerg Mex*. 2017 Jul-Sep;64(3):298-308. Spanish. doi: 10.29262/ram.v64i3.286. PMID: 29046028.

280: Hossny E, Caraballo L, Casale T, El-Gamal Y, Rosenwasser L. Severe asthma and quality of life. *World Allergy Organ J*. 2017 Aug 21;10(1):28. doi: 10.1186/s40413-017-0159-y. PMID: 28855973; PMCID: PMC5563897.

281: Hellings PW, Fokkens WJ, Bachert C, Akdis CA, Bieber T, Agache I, Bernal-Sprekelsen M, Canonica GW, Gevaert P, Joos G, Lund V, Muraro A, Onerci M, Zuberbier T, Pugin B, Seys SF, Bousquet J; ARIA and EPOS working groups. Positioning the principles of precision medicine in care pathways for allergic rhinitis and chronic rhinosinusitis - A EUFOREA-ARIA-EPOS-AIRWAYS ICP statement. *Allergy*. 2017 Sep;72(9):1297-1305. doi: 10.1111/all.13162. Epub 2017 May 21. PMID: 28306159.

282: Tanno LK, Simons FER, Sanchez-Borges M, Cardona V, Moon HB, Calderon MA, Sisul JC, Muraro A, Casale T, Demoly P; Joint Allergy Academies. Applying prevention concepts to anaphylaxis: A call for worldwide availability of adrenaline auto-injectors. *Clin Exp Allergy*. 2017 Sep;47(9):1108-1114. doi: 10.1111/cea.12973. PMID: 28856836.

283: Dhimi S, Nurmatov U, Agache I, Lau S, Muraro A, Jutel M, Roberts G, Akdis C, Bonini M, Calderon M, Casale T, Cavkaytar O, Cox L, Demoly P, Flood B, Hamelmann E, Izuhara K, Kalayci Ö, Kleine-Tebbe J, Nieto A, Papadopoulos N,

Pfaar O, Rosenwasser L, Ryan D, Schmidt-Weber C, Szeffler S, Wahn U, van Wijk RG, Wilkinson J, Sheikh A. Erratum to: Allergen immunotherapy for allergic asthma: protocol for a systematic review. *Clin Transl Allergy*. 2017 Sep 15;7:32. doi: 10.1186/s13601-017-0167-6. Erratum for: *Clin Transl Allergy*. 2016 Feb 09;6:5. PMID: 28932386; PMCID: PMC5602859.

284: Brożek JL, Bousquet J, Agache I, Agarwal A, Bachert C, Bosnic-Anticevich S, Brignardello-Petersen R, Canonica GW, Casale T, Chavannes NH, Correia de Sousa J, Cruz AA, Cuello-Garcia CA, Demoly P, Dykewicz M, Etzeandía-Ikobaltzeta I, Florez ID, Fokkens W, Fonseca J, Hellings PW, Klimek L, Kowalski S, Kuna P, Laisaar KT, Larenas-Linnemann DE, Lødrup Carlsen KC, Manning PJ, Meltzer E, Mullol J, Muraro A, O'Hehir R, Ohta K, Panzner P, Papadopoulos N, Park HS, Passalacqua G, Pawankar R, Price D, Riva JJ, Roldán Y, Ryan D, Sadeghirad B, Samolinski B, Schmid-Grendelmeier P, Sheikh A, Togias A, Valero A, Valiulis A, Valovirta E, Ventresca M, Wallace D, Wasserman S, Wickman M, Wiercioch W, Yepes-Nuñez JJ, Zhang L, Zhang Y, Zidarn M, Zuberbier T, Schünemann HJ. Allergic Rhinitis and its Impact on Asthma (ARIA) guidelines-2016 revision. *J Allergy Clin Immunol*. 2017 Oct;140(4):950-958. doi: 10.1016/j.jaci.2017.03.050. Epub 2017 Jun 8. PMID: 28602936.

285: Casale TB, Cox LS, Wahn U, Golden DBK, Bons B, Didier A. Safety Review of 5-Grass Pollen Tablet from Pooled Data of Clinical Trials. *J Allergy Clin Immunol Pract*. 2017 Nov-Dec;5(6):1717-1727.e1. doi: 10.1016/j.jaip.2017.04.020. Epub 2017 Jul 19. PMID: 28734858.

286: Traina G, Valluzzi RL, Fierro V, Riccardi C, Artesani MC, De Vuono A, Fiocchi A, Martelli AG, Ríos LA, Alcocer CR, Navarrete E, Del Rio Navarro BE, Gonzalez V, Velasco B, Perez Aviles HJ, Fernandez RJ, Pozo FC, Farhan AJ, Arshad H, Hussain A, Sharikadze O, Okhotnikova O, Alcover J, Rodriguez D, Pineda F, Dalal I, Weinbrand-Goichberg J, Benor S, Rottem M, Kivity S, Sato S, Yanagida N, Ebisawa M, Umanets T, Pineda F, Antipkin Y, Barzylovich V, Lapshyn V, Umanets T, Umanets M, Yuriev S, Pineda F, Rodriguez D, Alcover J, Bekir S, Pincock T, Vieira Hernandez A, Capriles Hulett A, Sánchez Borges M, Fabiano F, Albarran C, Goyal R, Gupta S, Gaurav G, Luskin AT, Griffin NM, Wagelie-Steffen A, Trzaskoma BL, Limb SL, Busse WW, Zeiger RS, Gonzalez-Reyes E, Casale TB, Chipps BE, Sugizaki C, Goto F, Sato S, Yanagida N, Ebisawa M, Yamaide A, Mitsunaga K, Tomiita M, Hoshioka A, Shimojo N, Pop LL, Ciucă IM, Tămaş L, Lazarescu M, Pienar C, Yamaide F, Fikri B, Sato H, Shimojo N, Okishima N, Kobayashi M, Takai M, Nishigata K, Yoda R, Oana YT, Kajiwara C, Shimodaira M, Suzuki T, Iizawa H, Kamijo K, Karmakar B, Bhattacharya SG, Blohlávková S, Kopelentová E, Víšek P, Štádl J, Šetinová I, Novobilská J, Lundelin K, Salminen S, Isolauri E, Pitt T, Flanders T, Peñalver M, Martínez P, Lluch M, Malet A, Nam YH, Jin HJ, Lee SK, Kulalert P, Sritipsukho P, Pathumanond J, Baynova K, Labella M, De Aramburu T, Prados M, Haanpää L, Aarnio J, Nermes M, Af Ursin P, Kaljonen A, Isolauri E, Bala N, Bhagwat K, Hindley J, Chapman M, Baalasuvarmanian S, Besednjak-Kocijančič L, SenGupta K, Bhattacharya SG, Chipps BE, Antonova E, Kong AM, Iqbal A, Teague WG, Chipps BE, Antonova E, Trzaskoma B, Ortiz B, Paknis B, Iqbal A, Rosen K, Szeffler S, Alblooshi A, Al-Hammadi S, Vega A, Gutiérrez-Rivas R, Alonso AM, Beitia JM, Belén Mateo M, Cárdenas R, García-Domínguez JJ, Pitchon Dos Reis R, Gonçalves Alvim C, Andrade C, Reis A, Ribeiro H, Panaitescu Bunu C, Marusciac L, Paralescu S, Tamas P, Panaitescu Bunu C, Marusciac L, Paralescu S, Tamas P,

Martí Guadaño E, Escobar Bolaños C, Martí José N, Pau Casanovas P, Biarnés Rib G, Castells M, de Vicente Jiménez T, Mennini M, Riccardi C, De Angelis P, Rea F, Malamisura M, Tambucci R, Fiocchi A, Dall'Oglio L, Mennini M, Del Chierico F, Napolitano T, Reddel S, Vernocchi P, D'Ambrosio A, Putignani L, Artesani MC, Dahdah L, Fierro V, Banzato C, Echeverría Zudaire LA, Plaza AM, Bosque García M, Íbero M, Mazzina O, Fierro V, Marzano V, Riccardi C, Mazzina O, Dahdah L, Mennini M, Artesani MC, Mazzina O, Pecora V, Koch P, Valluzzi RL, Fierro V, Fiocchi A, Pecora V, Valentini D, Mennini M, Dahdah L, Mazzina O, Santamaria F, Valluzzi R, Mukherjee A, Kandhare A, Bodhankar S. Proceedings of the 2017 WAO Symposium on Hot Topics in Allergy: Pediatric & Regulatory Aspects: Rome, Italy/Vatican City. 27-29 April 2017. *World Allergy Organ J.* 2017 Nov 16;10(Suppl 2):39. doi: 10.1186/s40413-017-0170-3. PMID: 29444193; PMCID: PMC5773904.

287: Chipps BE, Zeiger RS, Luskin AT, Busse WW, Trzaskoma BL, Antonova EN, Pazwash H, Limb SL, Solari PG, Griffin NM, Casale TB. Baseline asthma burden, comorbidities, and biomarkers in omalizumab-treated patients in PROSPERO. *Ann Allergy Asthma Immunol.* 2017 Dec;119(6):524-532.e2. doi: 10.1016/j.anai.2017.09.056. Epub 2017 Oct 18. PMID: 29054589.

288: Casale TB, Onder RF, Berkowitz RB, Korenblat PE. Nasal Carbon Dioxide Used As Needed in the Symptomatic Treatment of Seasonal Allergic Rhinitis. *J Allergy Clin Immunol Pract.* 2018 Jan-Feb;6(1):183-189. doi: 10.1016/j.jaip.2017.05.028. Epub 2017 Jul 11. PMID: 28705451.

289: Bonertz A, Roberts GC, Hoefnagel M, Timon M, Slater JE, Rabin RL, Bridgewater J, Pini C, Pfaar O, Akdis C, Goldstein J, Poulsen LK, van Ree R, Rhyner C, Barber D, Palomares O, Sheikh A, Pawankar R, Hamerlijnck D, Klimek L, Agache I, Angier E, Casale T, Fernandez-Rivas M, Halken S, Jutel M, Lau S, Pajno G, Sturm G, Varga EM, Gerth van Wijk R, Bonini S, Muraro A, Vieths S. Challenges in the implementation of EAACI guidelines on allergen immunotherapy: A global perspective on the regulation of allergen products. *Allergy.* 2018 Jan;73(1):64-76. doi: 10.1111/all.13266. Epub 2017 Aug 30. PMID: 28771830.

290: Bousquet J, Agache I, Berger U, Bergmann KC, Besancenot JP, Bousquet PJ, Casale T, d'Amato G, Kaidashev I, Khaitov M, Mösges R, Nekam K, Onorato GL, Plavec D, Sheikh A, Thibaudon M, Vautard R, Zidarn M. Differences in Reporting the Ragweed Pollen Season Using Google Trends across 15 Countries. *Int Arch Allergy Immunol.* 2018;176(3-4):181-188. doi: 10.1159/000488391. Epub 2018 May 9. PMID: 29742519.

291: Casale TB, Chipps BE, Rosén K, Trzaskoma B, Haselkorn T, Omachi TA, Greenberg S, Hanania NA. Response to omalizumab using patient enrichment criteria from trials of novel biologics in asthma. *Allergy.* 2018 Feb;73(2):490-497. doi: 10.1111/all.13302. Epub 2017 Sep 23. PMID: 28859263; PMCID: PMC5813202.

292: Casale TB, Teng MN, Morano JP, Unnasch T, Lockwood CJ. Zika virus: An emerging infectious disease with serious perinatal and neurologic complications. *J Allergy Clin Immunol.* 2018 Feb;141(2):482-490. doi: 10.1016/j.jaci.2017.11.029. Epub 2017 Dec 19. PMID: 29273403.

- 293: Maurer M, Kaplan A, Rosén K, Holden M, Iqbal A, Trzaskoma BL, Yang M, Casale TB. The XTEND-CIU study: Long-term use of omalizumab in chronic idiopathic urticaria. *J Allergy Clin Immunol*. 2018 Mar;141(3):1138-1139.e7. doi: 10.1016/j.jaci.2017.10.018. Epub 2017 Nov 10. PMID: 29132956.
- 294: Tabatabaian F, Casale TB. Allergic rhinitis management: what's next? *Expert Rev Clin Immunol*. 2018 Mar;14(3):191-196. doi: 10.1080/1744666X.2018.1438270. Epub 2018 Feb 15. PMID: 29406839.
- 295: Casale TB, Win PH, Bernstein JA, Rosén K, Holden M, Iqbal A, Trzaskoma BL, Yang M, Antonova EN, Murphy T, Scarupa MD, Sofen H, Kaplan A. Omalizumab response in patients with chronic idiopathic urticaria: Insights from the XTEND-CIU study. *J Am Acad Dermatol*. 2018 Apr;78(4):793-795. doi: 10.1016/j.jaad.2017.10.010. Epub 2017 Oct 14. PMID: 29037993.
- 296: Bonertz A, Roberts G, Slater JE, Bridgewater J, Rabin RL, Hoefnagel M, Timon M, Pini C, Pfaar O, Sheikh A, Ryan D, Akdis C, Goldstein J, Poulsen LK, van Ree R, Rhyner C, Barber D, Palomares O, Pawankar R, Hamerlijnck D, Klimek L, Agache I, Angier E, Casale T, Fernandez-Rivas M, Halken S, Jutel M, Lau S, Pajno G, Sturm G, Varga EM, Gerth van Wijk R, Bonini S, Muraro A, Vieths S. Allergen manufacturing and quality aspects for allergen immunotherapy in Europe and the United States: An analysis from the EAACI AIT Guidelines Project. *Allergy*. 2018 Apr;73(4):816-826. doi: 10.1111/all.13357. Epub 2018 Jan 10. PMID: 29150848.
- 297: Ruff J, Asady A, Staubach P, Casale T, Sussmann G, Zuberbier T, Maurer M, Weller K, Altrichter S. Development and validation of the Cholinergic Urticaria Quality-of-Life Questionnaire (CholU-QoL). *Clin Exp Allergy*. 2018 Apr;48(4):433-444. doi: 10.1111/cea.13102. Epub 2018 Feb 28. PMID: 29369455.
- 298: Saco TV, Pepper A, Casale TB. Uses of biologics in allergic diseases: What to choose and when. *Ann Allergy Asthma Immunol*. 2018 Apr;120(4):357-366. doi: 10.1016/j.anai.2018.02.029. Epub 2018 Feb 27. PMID: 29499367.
- 299: Tanno LK, Bierrenbach AL, Simons FER, Cardona V, Thong BY, Molinari N, Calderon MA, Worm M, Chang YS, Papadopoulos NG, Casale T, Demoly P; on behalf the Joint Allergy Academies. Critical view of anaphylaxis epidemiology: open questions and new perspectives. *Allergy Asthma Clin Immunol*. 2018 Apr 4;14:12. doi: 10.1186/s13223-018-0234-0. PMID: 29632547; PMCID: PMC5883526.
- 300: Sánchez-Borges M, Martin BL, Muraro AM, Wood RA, Agache IO, Ansotegui IJ, Casale TB, Fleisher TA, Hellings PW, Papadopoulos NG, Peden DB, Sublett JL, Tilles SA, Rosenwasser L. The importance of allergic disease in public health: an iCAALL statement. *World Allergy Organ J*. 2018 Apr 27;11(1):8. doi: 10.1186/s40413-018-0187-2. PMID: 29743965; PMCID: PMC5921992.
- 301: Casale TB, Bateman ED, Vandewalker M, Virchow JC, Schmidt H, Engel M, Moroni-Zentgraf P, Kerstjens HAM. Tiotropium Respimat Add-on Is Efficacious in Symptomatic Asthma, Independent of T2 Phenotype. *J Allergy Clin Immunol Pract*. 2018 May-Jun;6(3):923-935.e9. doi: 10.1016/j.jaip.2017.08.037. Epub 2017 Nov 22. PMID: 29174062.

- 302: Luskin AT, Chipps BE, Casale TB, Griffin NM. Baseline asthma burden, comorbidities, and biomarkers in omalizumab-treated patients in PROSPERO. *Ann Allergy Asthma Immunol*. 2018 May;120(5):549-550. doi: 10.1016/j.anai.2018.01.034. Epub 2018 Feb 5. PMID: 29421314.
- 303: Hashimoto S, Casale TB, Engel M, Moroni-Zentgraf P, Bour LJ, Kerstjens HAM. Efficacy of tiotropium in adults with moderate asthma, by leukotriene receptor antagonist use at baseline. *Allergol Int*. 2018 Jul;67(3):411-413. doi: 10.1016/j.alit.2017.12.002. Epub 2018 Feb 15. PMID: 29398589.
- 304: Patel SS, Casale TB, Cardet JC. Biological therapies for eosinophilic asthma. *Expert Opin Biol Ther*. 2018 Jul;18(7):747-754. doi: 10.1080/14712598.2018.1492540. Epub 2018 Jul 4. PMID: 29938543; PMCID: PMC6317519.
- 305: Deza G, Ricketti PA, Giménez-Arnau AM, Casale TB. Emerging Biomarkers and Therapeutic Pipelines for Chronic Spontaneous Urticaria. *J Allergy Clin Immunol Pract*. 2018 Jul-Aug;6(4):1108-1117. doi: 10.1016/j.jaip.2018.02.024. PMID: 30033912.
- 306: Bousquet J, Devillier P, Anto JM, Bewick M, Haahtela T, Arnavielhe S, Bedbrook A, Murray R, van Eerd M, Fonseca JA, Morais Almeida M, Todo Bom A, Menditto E, Passalacqua G, Stellato C, Triggiani M, Ventura MT, Vezzani G, Annesi-Maesano I, Bourret R, Bosse I, Caimmi D, Cartier C, Demoly P, Just J, Portejoie F, Siroux V, Viart F, Bergmann KC, Keil T, Klimek L, Mösges R, Pfaar O, Shamaï S, Zuberbier T, Mullol J, Valero A, Spranger O, Tomazic PV, Kowalski ML, Kuna P, Kupczyk M, Raciborski F, Samolinski B, Toppila-Salmi SK, Valovirta E, Cruz AA, Sarquis-Serpa F, da Silva J, Stelmach R, Larenas-Linnemann D, Rodriguez Gonzalez M, Burguete Cabañas MT, Kvedariene V, Valiulis A, Chavannes NH, Fokkens WJ, Ryan D, Sheikh A, Bachert C, Hellings PW, VandenPlas O, Ballardini N, Kull I, Melén E, Westman M, Wickman M, Bindsvlev-Jensen C, Eller E, Bosnic-Anticevich S, O'Hehir RE, Agache I, Bieber T, Casale T, Gemicioğlu B, Ivancevich JC, De Vries G, Sorensen M, Yorgancioglu A, Laune D; MACVIA working group. Daily allergic multimorbidity in rhinitis using mobile technology: A novel concept of the MASK study. *Allergy*. 2018 Aug;73(8):1622-1631. doi: 10.1111/all.13448. Epub 2018 Apr 24. PMID: 29569295.
- 307: Baker AM, Holbrook JT, Yohannes AM, Eakin MN, Sugar EA, Henderson RJ, Casper AS, Kaminsky DA, Rea AL, Mathews AM, Que LG, Ramsdell JW, Gerald LB, Wise RA, Hanania NA; American Lung Association Airways Clinical Research Centers. Test Performance Characteristics of the AIR, GAD-7, and HADS-Anxiety Screening Questionnaires for Anxiety in Chronic Obstructive Pulmonary Disease. *Ann Am Thorac Soc*. 2018 Aug;15(8):926-934. doi: 10.1513/AnnalsATS.201708-631OC. PMID: 29986152; PMCID: PMC7212591.
- 308: Pepper AN, Bulkhi A, Smith CR, Colli M, Bergmann KC, Zuberbier T, Casale TB. Effects of Exposure to New Car Interiors in Patients With Asthma and Allergic Rhinitis. *Allergy Rhinol (Providence)*. 2018 Sep 18;9:2152656718800060. doi: 10.1177/2152656718800060. PMID: 30245910; PMCID: PMC6144509.

309: Sriaroon P, Casale TB. The challenge of choosing the correct biologic for the correct asthma patient. *Ann Allergy Asthma Immunol*. 2018 Oct;121(4):385-386. doi: 10.1016/j.anai.2018.08.012. PMID: 30290891.

310: Zhu L, Ciaccio CE, Casale TB. Potential new targets for drug development in severe asthma. *World Allergy Organ J*. 2018 Oct 25;11(1):30. doi: 10.1186/s40413-018-0208-1. PMID: 30386455; PMCID: PMC6203275.

311: Bousquet J, Arnavielhe S, Bedbrook A, Bewick M, Laune D, Mathieu-Dupas E, Murray R, Onorato GL, Pépin JL, Picard R, Portejoie F, Costa E, Fonseca J, Lourenço O, Morais-Almeida M, Todo-Bom A, Cruz AA, da Silva J, Serpa FS, Illario M, Menditto E, Cecchi L, Monti R, Napoli L, Ventura MT, De Feo G, Larenas-Linnemann D, Fuentes Perez M, Huerta Villabolos YR, Rivero-Yeverino D, Rodriguez-Zagal E, Amat F, Annesi-Maesano I, Bosse I, Demoly P, Devillier P, Fontaine JF, Just J, Kuna TP, Samolinski B, Valiulis A, Emuzyte R, Kvedariene V, Ryan D, Sheikh A, Schmidt-Grendelmeier P, Klimek L, Pfaar O, Bergmann KC, Mösges R, Zuberbier T, Roller-Wirnsberger RE, Tomazic P, Fokkens WJ, Chavannes NH, Reitsma S, Anto JM, Cardona V, Dedeu T, Mullol J, Haahtela T, Salimäki J, Toppila-Salmi S, Valovirta E, Gemicioğlu B, Yorgancioglu A, Papadopoulos N, Prokopakis EP, Bosnic-Anticevich S, O'Hehir R, Ivancevich JC, Neffen H, Zernotti E, Kull I, Melen E, Wickman M, Bachert C, Hellings P, Palkonen S, Bindslev-Jensen C, Eller E, Wasserman S, Sova M, De Vries G, van Eerd M, Agache I, Casale T, Dykewickz M, Naclerio RN, Okamoto Y, Wallace DV; MASK study group. MASK 2017: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma multimorbidity using real-world-evidence. *Clin Transl Allergy*. 2018 Oct 25;8:45. doi: 10.1186/s13601-018-0227-6. Erratum in: *Clin Transl Allergy*. 2019 Oct 9;9:51. PMID: 30386555; PMCID: PMC6201545.

312: Ledford DK, Casale TB. Can Xolair Be Used in Nonallergic Asthmatic? *J Allergy Clin Immunol Pract*. 2018 Nov-Dec;6(6):2170. doi: 10.1016/j.jaip.2018.08.005. PMID: 30390909.

313: PALISADE Group of Clinical Investigators, Vickery BP, Vereda A, Casale TB, Beyer K, du Toit G, Hourihane JO, Jones SM, Shreffler WG, Marcantonio A, Zawadzki R, Sher L, Carr WW, Fineman S, Greos L, Rachid R, Ibáñez MD, Tilles S, Assa'ad AH, Nilsson C, Rupp N, Welch MJ, Sussman G, Chinthrajah S, Blumchen K, Sher E, Spergel JM, Leickly FE, Zielen S, Wang J, Sanders GM, Wood RA, Cheema A, Bindslev-Jensen C, Leonard S, Kachru R, Johnston DT, Hampel FC Jr, Kim EH, Anagnostou A, Pongracic JA, Ben-Shoshan M, Sharma HP, Stillerman A, Windom HH, Yang WH, Muraro A, Zubeldia JM, Sharma V, Dorsey MJ, Chong HJ, Ohayon J, Bird JA, Carr TF, Siri D, Fernández-Rivas M, Jeong DK, Fleischer DM, Lieberman JA, Dubois AEJ, Tsoumani M, Ciaccio CE, Portnoy JM, Mansfield LE, Fritz SB, Lanser BJ, Matz J, Oude Elberink HNG, Varshney P, Dilly SG, Adelman DC, Burks AW. AR101 Oral Immunotherapy for Peanut Allergy. *N Engl J Med*. 2018 Nov 22;379(21):1991-2001. doi: 10.1056/NEJMoa1812856. Epub 2018 Nov 18. PMID: 30449234.

314: Courbis AL, Murray RB, Arnavielhe S, Caimmi D, Bedbrook A, Van Eerd M, De Vries G, Dray G, Agache I, Morais-Almeida M, Bachert C, Bergmann KC, Bosnic-Anticevich S, Brozek J, Bucca C, Camargos P, Canonica GW, Carr W, Casale T, Fonseca JA, Haahtela T, Kalayci O, Klimek L, Kuna P, Kvedariene V, Larenas

- Linnemann D, Lieberman P, Mullol J, Ohehir R, Papadopoulos N, Price D, Ryan D, Samolinski B, Simons FE, Tomazic P, Triggiani M, Valiulis A, Valovirta E, Wagenmann M, Wickman M, Yorgancioglu A, Bousquet J. Electronic Clinical Decision Support System for allergic rhinitis management: MASK e-CDSS. *Clin Exp Allergy*. 2018 Dec;48(12):1640-1653. doi: 10.1111/cea.13230. Epub 2018 Aug 20. PMID: 29999223.
- 315: Casale TB, Luskin AT, Busse W, Zeiger RS, Trzaskoma B, Yang M, Griffin NM, Chipps BE. Omalizumab Effectiveness by Biomarker Status in Patients with Asthma: Evidence From PROSPERO, A Prospective Real-World Study. *J Allergy Clin Immunol Pract*. 2019 Jan;7(1):156-164.e1. doi: 10.1016/j.jaip.2018.04.043. Epub 2018 May 22. PMID: 29800752.
- 316: Casale TB, Pacou M, Mesana L, Farge G, Sun SX, Castro M. Reslizumab Compared with Benralizumab in Patients with Eosinophilic Asthma: A Systematic Literature Review and Network Meta-Analysis. *J Allergy Clin Immunol Pract*. 2019 Jan;7(1):122-130.e1. doi: 10.1016/j.jaip.2018.08.036. Epub 2018 Sep 11. PMID: 30217529.
- 317: Huang Y, Xie Y, Jiang H, Abel PW, Panettieri RA Jr, Casale TB, Tu Y. Upregulated P-Rex1 exacerbates human airway smooth muscle hyperplasia in asthma. *J Allergy Clin Immunol*. 2019 Feb;143(2):778-781.e5. doi: 10.1016/j.jaci.2018.09.020. Epub 2018 Oct 10. PMID: 30312708.
- 318: Wood RA, Khan DA, Lang DM, Fasano MB, Peden DB, Busse PJ, Carter MC, Demain JG, Dinakar C, Grayson MH, Markovics SB, Sicherer SH, Stone KD, Sullivan KE, Williams PV, Fleisher TA, Casale TB. American Academy of Allergy, Asthma and Immunology response to the EAACI/GA² LEN/EDF/WAO guideline for the definition, classification, diagnosis, and management of Urticaria 2017 revision. *Allergy*. 2019 Feb;74(2):411-413. doi: 10.1111/all.13636. Epub 2018 Dec 12. PMID: 30338538.
- 319: Chipps BE, Ciaccio CE, Rosén K, Haselkorn T, Zigmont E, Casale TB. Real-world attitudes among allergists/immunologists regarding oral immunotherapy and preferred terminology. *J Allergy Clin Immunol Pract*. 2019 Feb;7(2):721-723.e9. doi: 10.1016/j.jaip.2018.12.009. Epub 2018 Dec 14. PMID: 30557711.
- 320: Casale TB, Haselkorn T, Ciaccio CE, Sriaroon P, Chipps BE. Harmonization of Terminology for Tolerated and Reactive Dose in Food Allergy Immunotherapy. *J Allergy Clin Immunol Pract*. 2019 Feb;7(2):389-392. doi: 10.1016/j.jaip.2018.12.008. Epub 2018 Dec 14. PMID: 30557719.
- 321: Bousquet J, Hellings PW, Agache I, Amat F, Annesi-Maesano I, Ansotegui IJ, Anto JM, Bachert C, Bateman ED, Bedbrook A, Bennoor K, Bewick M, Bindeslev-Jensen C, Bosnic-Anticevich S, Bosse I, Brozek J, Brussino L, Canonica GW, Cardona V, Casale T, Cepeda Sarabia AM, Chavannes NH, Cecchi L, Correia de Sousa J, Costa E, Cruz AA, Czarlewski W, De Carlo G, De Feo G, Demoly P, Devillier P, Dykewicz MS, El-Gamal Y, Eller EE, Fonseca JA, Fontaine JF, Fokkens WJ, Guzmán MA, Haahtela T, Illario M, Ivancevich JC, Just J, Kaidashev I, Khaitov M, Kalayci O, Keil T, Klimek L, Kowalski ML, Kuna P, Kvedariene V, Larenas-Linnemann D, Laune D, Le LTT, Carlsen KL, Lourenço O, Mahboub B, Mair A, Menditto E, Milenkovic B,

Morais-Almeida M, Mösges R, Mullol J, Murray R, Naclerio R, Namazova-Baranova L, Novellino E, O'Hehir RE, Ohta K, Okamoto Y, Okubo K, Onorato GL, Palkonen S, Panzner P, Papadopoulos NG, Park HS, Paulino E, Pawankar R, Pfaar O, Plavec D, Popov TA, Potter P, Prokopakis EP, Rottem M, Ryan D, Salimäki J, Samolinski B, Sanchez-Borges M, Schunemann HJ, Sheikh A, Sisul JC, Rajabian-Söderlund R, Sooronbaev T, Stellato C, To T, Todo-Bom AM, Tomazic PV, Toppila-Salmi S, Valero A, Valiulis A, Valovirta E, Ventura MT, Wagenmann M, Wang Y, Wallace D, Wasserman S, Wickman M, Yorgancioglu A, Zhang L, Zhong N, Zidarn M, Zuberbier T; Mobile Airways Sentinel Network (MASK) Study Group. Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. *J Allergy Clin Immunol*. 2019 Mar;143(3):864-879. doi: 10.1016/j.jaci.2018.08.049. Epub 2018 Sep 29. Erratum in: *J Allergy Clin Immunol*. 2019 Nov;144(5):1456. PMID: 30273709.

322: Cardet JC, Casale TB. New insights into the utility of omalizumab. *J Allergy Clin Immunol*. 2019 Mar;143(3):923-926.e1. doi: 10.1016/j.jaci.2019.01.016. Epub 2019 Jan 26. PMID: 30690050; PMCID: PMC6939862.

323: Bousquet J, Bedbrook A, Czarlewski W, Onorato GL, Arnavielhe S, Laune D, Mathieu-Dupas E, Fonseca J, Costa E, Lourenço O, Morais-Almeida M, Todo-Bom A, Illario M, Menditto E, Canonica GW, Cecchi L, Monti R, Napoli L, Ventura MT, De Feo G, Fokkens WJ, Chavannes NH, Reitsma S, Cruz AA, da Silva J, Serpa FS, Larenas-Linnemann D, Fuentes Perez JM, Huerta-Villalobos YR, Rivero-Yeverino D, Rodriguez-Zagal E, Valiulis A, Dubakiene R, Emuzyte R, Kvedariene V, Annesi-Maesano I, Blain H, Bonniaud P, Bosse I, Dauvilliers Y, Devillier P, Fontaine JF, Pépin JL, Pham-Thi N, Portejoie F, Picard R, Roche N, Rolland C, Schmidt-Grendelmeier P, Kuna P, Samolinski B, Anto JM, Cardona V, Mullol J, Pinnock H, Ryan D, Sheikh A, Walker S, Williams S, Becker S, Klimek L, Pfaar O, Bergmann KC, Mösges R, Zuberbier T, Roller-Wirnsberger RE, Tomazic PV, Haahtela T, Salimäki J, Toppila-Salmi S, Valovirta E, Vasankari T, Gemicioğlu B, Yorgancioglu A, Papadopoulos NG, Prokopakis EP, Tsiligianni IG, Bosnic-Anticevich S, O'Hehir R, Ivancevich JC, Neffen H, Zernotti ME, Kull I, Melén E, Wickman M, Bachert C, Hellings PW, Brusselle G, Palkonen S, Bindeslev-Jensen C, Eller E, Wasserman S, Boulet LP, Bouchard J, Chu DK, Schünemann HJ, Sova M, De Vries G, van Eerd M, Agache I, Ansotegui IJ, Bewick M, Casale T, Dykewick M, Ebisawa M, Murray R, Naclerio R, Okamoto Y, Wallace DV; The MASK study group. Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. *Clin Transl Allergy*. 2019 Mar 11;9:16. doi: 10.1186/s13601-019-0252-0. Erratum in: *Clin Transl Allergy*. 2019 Oct 9;9:52. PMID: 30911372; PMCID: PMC6413444.

324: Vidal C, Rodríguez Del Río P, Gude F, Casale T, Cox L, Just J, Pfaar O, Demoly P, Calderón MA. Comparison of International Systemic Adverse Reactions Due to Allergen Immunotherapy. *J Allergy Clin Immunol Pract*. 2019 Apr;7(4):1298-1305.e3. doi: 10.1016/j.jaip.2018.12.006. Epub 2018 Dec 14. PMID: 30557714.

325: Hanania NA, Chipps BE, Griffin NM, Yoo B, Iqbal A, Casale TB. Omalizumab effectiveness in asthma-COPD overlap: Post hoc analysis of PROSPERO. *J Allergy Clin Immunol*. 2019 Apr;143(4):1629-1633.e2. doi: 10.1016/j.jaci.2018.11.032. Epub 2018 Dec 18. PMID: 30576755.

- 326: Wheatley LM, Wood R, Nadeau K, Liu A, Zoratti E, Bacharier L, Brittain E, Calderon M, Casale T, Chipps B, Cox L, Creticos PS, Desai M, Dreborg S, Durham S, Gergen PJ, Gruchalla R, Nelson H, O'Hehir RE, Plaut M, Schwaninger JM, Tilles S, Vickery B, Wittenberg KM, Togias A. Mind the gaps: Clinical trial concepts to address unanswered questions in aeroallergen immunotherapy-An NIAID/AHRQ Workshop. *J Allergy Clin Immunol*. 2019 May;143(5):1711-1726. doi: 10.1016/j.jaci.2019.01.032. Epub 2019 Feb 5. PMID: 30731123.
- 327: Calderón MA, Casale TB, Demoly P. Validation of Patient-Reported Outcomes for Clinical Trials in Allergic Rhinitis: A Systematic Review. *J Allergy Clin Immunol Pract*. 2019 May-Jun;7(5):1450-1461.e6. doi: 10.1016/j.jaip.2019.01.015. Epub 2019 Feb 20. PMID: 30797777.
- 328: Casale TB, Israel E. Biologics, Clinical Context, and the Asthmas. *J Allergy Clin Immunol Pract*. 2019 May-Jun;7(5):1437-1439. doi: 10.1016/j.jaip.2019.03.012. PMID: 31076059.
- 329: Cardet JC, Casale TB. Reply. *J Allergy Clin Immunol*. 2019 Jun;143(6):2336. doi: 10.1016/j.jaci.2019.03.014. Epub 2019 Apr 20. PMID: 31014897.
- 330: Bosnic-Anticevich S, Costa E, Menditto E, Lourenço O, Novellino E, Bialek S, Briedis V, Buonaiuto R, Chrystyn H, Cvetkovski B, Di Capua S, Kritikos V, Mair A, Orlando V, Paulino E, Salimäki J, Söderlund R, Tan R, Williams DM, Wroczynski P, Agache I, Ansotegui IJ, Anto JM, Bedbrook A, Bachert C, Bewick M, Bindslev-Jensen C, Brozek JL, Canonica GW, Cardona V, Carr W, Casale TB, Chavannes NH, Correia de Sousa J, Cruz AA, Czarlewski W, De Carlo G, Demoly P, Devillier P, Dykewicz MS, Gaga M, El-Gamal Y, Fonseca J, Fokkens WJ, Guzmán MA, Haahtela T, Hellings PW, Illario M, Ivancevich JC, Just J, Kaidashev I, Khaitov M, Khaltaev N, Keil T, Klimek L, Kowalski ML, Kuna P, Kvedariene V, Larenas-Linnemann DE, Laune D, Le LTT, Lodrup Carlsen KC, Mahboub B, Maier D, Malva J, Manning PJ, Morais-Almeida M, Mösges R, Mullol J, Münter L, Murray R, Naclerio R, Namazova-Baranova L, Nekam K, Nyembue TD, Okubo K, O'Hehir RE, Ohta K, Okamoto Y, Onorato GL, Palkonen S, Panzner P, Papadopoulos NG, Park HS, Pawankar R, Pfaar O, Phillips J, Plavec D, Popov TA, Potter PC, Prokopakis EP, Roller-Wirnsberger RE, Rottem M, Ryan D, Samolinski B, Sanchez-Borges M, Schunemann HJ, Sheikh A, Sisul JC, Somekh D, Stellato C, To T, Todo-Bom AM, Tomazic PV, Toppila-Salmi S, Valero A, Valiulis A, Valovirta E, Ventura MT, Wagenmann M, Wallace D, Wasserman S, Wickman M, Yiallourous PK, Yorgancioglu A, Yusuf OM, Zar HJ, Zernotti ME, Zhang L, Zidarn M, Zuberbier T, Bousquet J. ARIA pharmacy 2018 "Allergic rhinitis care pathways for community pharmacy": AIRWAYS ICPs initiative (European Innovation Partnership on Active and Healthy Ageing, DG CONNECT and DG Santé) POLLAR (Impact of Air POLLution on Asthma and Rhinitis) GARD Demonstration project. *Allergy*. 2019 Jul;74(7):1219-1236. doi: 10.1111/all.13701. Epub 2019 Apr 30. PMID: 30565275.
- 331: Cho SH, Jo A, Casale T, Jeong SJ, Hong SJ, Cho JK, Holbrook JT, Kumar R, Smith LJ. Soy isoflavones reduce asthma exacerbation in asthmatic patients with high PAI-1-producing genotypes. *J Allergy Clin Immunol*. 2019 Jul;144(1):109-117.e4. doi: 10.1016/j.jaci.2019.01.020. Epub 2019 Jan 29. PMID: 30707970; PMCID: PMC6612283.

332: Bédard A, Basagaña X, Anto JM, Garcia-Aymerich J, Devillier P, Arnavielhe S, Bedbrook A, Onorato GL, Czarlewski W, Murray R, Almeida R, Fonseca J, Costa E, Malva J, Morais-Almeida M, Pereira AM, Todo-Bom A, Menditto E, Stellato C, Ventura MT, Cruz AA, Stelmach R, da Silva J, Larenas-Linnemann D, Fuentes-Pérez JM, Huerta-Villalobos YR, Emuzyte R, Kvedariene V, Valiulis A, Kuna P, Samolinski B, Klimek L, Mösges R, Pfaar O, Shamaï S, Annesi-Maesano I, Bosse I, Demoly P, Fontaine JF, Cardona V, Mullol J, Valero A, Roller-Wirnsberger RE, Tomazic PV, Chavannes NH, Fokkens WJ, Reitsma S, Bewick M, Ryan D, Sheikh A, Haahtela T, Toppila-Salmi S, Valovirta E, Makris M, Papadopoulos NG, Prokopakis EP, Psarros F, Cingi C, Gemicioğlu B, Yorgancioglu A, Bosnic-Anticevich S, O'Hehir RE, Bachert C, Hellings PW, Pugin B, Bindselev-Jensen C, Eller E, Kull I, Melén E, Wickman M, De Vries G, van Eerd M, Agache I, Ansotegui IJ, Dykewicz MS, Casale T, Wallace D, Wasserman S, Laune D, Bousquet J; MASK study group. Mobile technology offers novel insights into the control and treatment of allergic rhinitis: The MASK study. *J Allergy Clin Immunol*. 2019 Jul;144(1):135-143.e6. doi: 10.1016/j.jaci.2019.01.053. Epub 2019 Apr 3. PMID: 30951790.

333: Halpin DMG, Meltzer EO, Pisternick-Ruf W, Moroni-Zentgraf P, Engel M, Zaremba-Pechmann L, Casale T, FitzGerald JM. Peak expiratory flow as an endpoint for clinical trials in asthma: a comparison with FEV₁. *Respir Res*. 2019 Jul 18;20(1):159. doi: 10.1186/s12931-019-1119-6. PMID: 31319851; PMCID: PMC6637596.

334: Khurana S, Paggiaro P, Buhl R, Bernstein JA, Haddon J, Unseld A, Engel M, Casale TB, Dixon AE. Tiotropium reduces airflow obstruction in asthma patients, independent of body mass index. *J Allergy Clin Immunol Pract*. 2019 Sep-Oct;7(7):2425-2428.e7. doi: 10.1016/j.jaip.2019.03.007. Epub 2019 Mar 19. PMID: 30898691.

335: Casale TB, Murphy TR, Holden M, Rajput Y, Yoo B, Bernstein JA. Impact of omalizumab on patient-reported outcomes in chronic idiopathic urticaria: Results from a randomized study (XTEND-CIU). *J Allergy Clin Immunol Pract*. 2019 Sep-Oct;7(7):2487-2490.e1. doi: 10.1016/j.jaip.2019.04.020. Epub 2019 Apr 26. PMID: 31034999.

336: Tanno LK, Chalmers R, Bierrenbach AL, Simons FER, Martin B, Molinari N, Annesi-Maesano I, Worm M, Cardona V, Papadopoulos NG, Sanchez-Borges M, Rosenwasser LJ, Ansotegui I, Ebisawa M, Sisul JC, Jares E, Gomez M, Agache I, Hellings P, Muraro A, Thien F, Pawankar R, Sublett JL, Casale T, Demoly P; Joint Allergy Academies. Changing the history of anaphylaxis mortality statistics through the World Health Organization's International Classification of Diseases-11. *J Allergy Clin Immunol*. 2019 Sep;144(3):627-633. doi: 10.1016/j.jaci.2019.05.013. Epub 2019 Jun 20. PMID: 31229269.

337: Canonica GW, Devillier P, Casale T, Demoly P, Bos C, Karagiannis E, Passalacqua G, Wahn U, Mascarell L. Clinical efficacy of sublingual immunotherapy tablets for allergic rhinitis is unlikely to be derived from *in vitro* allergen-release data. *Expert Rev Clin Immunol*. 2019 Sep;15(9):921-928. doi: 10.1080/1744666X.2019.1649597. Epub 2019 Aug 12. PMID: 31403823.

338: Bousquet JJ, Schünemann HJ, Togias A, Erhola M, Hellings PW, Zuberbier T, Agache I, Anotegui IJ, Anto JM, Bachert C, Becker S, Bedolla-Barajas M, Bewick M, Bosnic-Anticevich S, Bosse I, Boulet LP, Bourrez JM, Brusselle G, Chavannes N, Costa E, Cruz AA, Czarlewski W, Fokkens WJ, Fonseca JA, Gaga M, Haahtela T, Illario M, Klimek L, Kuna P, Kvedariene V, Le LTT, Larenas-Linnemann D, Laune D, Lourenço OM, Menditto E, Mullol J, Okamoto Y, Papadopoulos N, Pham-Thi N, Picard R, Pinnock H, Roche N, Roller-Wirnsberger RE, Rolland C, Samolinski B, Sheikh A, Toppila-Salmi S, Tsiligianni I, Valiulis A, Valovirta E, Vasankari T, Ventura MT, Walker S, Williams S, Akdis CA, Annesi-Maesano I, Arnavielhe S, Basagana X, Bateman E, Bedbrook A, Bennoor KS, Benveniste S, Bergmann KC, Bialek S, Billo N, Bindeslev-Jensen C, Bjermer L, Blain H, Bonini M, Bonniaud P, Bouchard J, Briedis V, Brightling CE, Brozek J, Buhl R, Buonaiuto R, Canonica GW, Cardona V, Carriazo AM, Carr W, Cartier C, Casale T, Cecchi L, Cepeda Sarabia AM, Chkhartishvili E, Chu DK, Cingi C, Colgan E, de Sousa JC, Courbis AL, Custovic A, Cvetkosvki B, D'Amato G, da Silva J, Dantas C, Dokic D, Dauvilliers Y, Dedeu A, De Feo G, Devillier P, Di Capua S, Dykewickz M, Dubakiene R, Ebisawa M, El-Gamal Y, Eller E, Emuzyte R, Farrell J, Fink-Wagner A, Fiocchi A, Fontaine JF, Gemicioğlu B, Schmid-Grendelmeier P, Gamkrelidze A, Garcia-Aymerich J, Gomez M, González Diaz S, Gotua M, Guldemond NA, Guzmán MA, Hajjam J, O'B Hourihane J, Humbert M, Iaccarino G, Ierodiakonou D, Illario M, Ivancevich JC, Joos G, Jung KS, Jutel M, Kaidashev I, Kalayci O, Kardas P, Keil T, Khaitov M, Khaltayev N, Kleine-Tebbe J, Kowalski ML, Kritikos V, Kull I, Leonardini L, Lieberman P, Lipworth B, Lodrup Carlsen KC, Loureiro CC, Louis R, Mair A, Marien G, Mahboub B, Malva J, Manning P, De Manuel Keenoy E, Marshall GD, Masjedi MR, Maspero JF, Mathieu-Dupas E, Matricardi PM, Melén E, Melo-Gomes E, Meltzer EO, Menditto E, Mercier J, Miculinic N, Mihaltan F, Milenkovic B, Moda G, Mogica-Martinez MD, Mohammad Y, Montefort S, Monti R, Morais-Almeida M, Mösges R, Münter L, Muraro A, Murray R, Naclerio R, Napoli L, Namazova-Baranova L, Neffen H, Nekam K, Neou A, Novellino E, Nyembue D, O'Hehir R, Ohta K, Okubo K, Onorato G, Ouedraogo S, Pali-Schöll I, Palkonen S, Panzner P, Park HS, Pépin JL, Pereira AM, Pfaar O, Paulino E, Phillips J, Picard R, Plavec D, Popov TA, Portejoie F, Price D, Prokopakis EP, Pugin B, Raciborski F, Rajabian-Söderlund R, Reitsma S, Rodo X, Romano A, Rosario N, Rottem M, Ryan D, Salimäki J, Sanchez-Borges MM, Sisul JC, Solé D, Somekh D, Sooronbaev T, Sova M, Spranger O, Stellato C, Stelmach R, Suppli Ulrik C, Thibaudon M, To T, Todo-Bom A, Tomazic PV, Valero AA, Valenta R, Valentin-Rostan M, van der Kleij R, Vandenplas O, Vezzani G, Viart F, Viegi G, Wallace D, Wagenmann M, Wang Y, Wasserman S, Wickman M, Williams DM, Wong G, Wroczyński P, Yiallourous PK, Yorgancioglu A, Yusuf OM, Zar HJ, Zeng S, Zernotti M, Zhang L, Zhong NS, Zidarn M; ARIA Study Group; MASK Study Group. Next-generation ARIA care pathways for rhinitis and asthma: a model for multimorbid chronic diseases. *Clin Transl Allergy*. 2019 Sep 9;9:44. doi: 10.1186/s13601-019-0279-2. PMID: 31516692; PMCID: PMC6734297.

339: Casale TB, Aalbers R, Bleecker ER, Meltzer EO, Zaremba-Pechmann L, de la Hoz A, Kerstjens HAM. Tiotropium Respimat® add-on therapy to inhaled corticosteroids in patients with symptomatic asthma improves clinical outcomes regardless of baseline characteristics. *Respir Med*. 2019 Oct-Nov;158:97-109. doi: 10.1016/j.rmed.2019.09.014. Epub 2019 Sep 30. PMID: 31654891.

340: Ivancevich JC, Cardona V, Larenas-Linnemann D, Mullol J, Neffen H, Zernotti

M, Asayag E, Blua AE, Gómez RM, Jares E, Máspero J, Anto JM, Dedeu T, Rodríguez-González M, Huerta-Villalobos YR, Fuentes-Pérez JM, Rodríguez-Zagal E, Valero A, Bartra J, Alobid I, Castillo-Vizueté JA, Dordal T, Hijano R, Picado C, Sastre J, Bedolla-Barajas M, Burguete-Cabañas MT, Costa-Domínguez MDC, Domínguez-Silva M, Espinoza-Contreras JG, Gálvez-Romero JL, García-Cobas CY, García-Cruz MLH, Hernández-Velázquez L, Luna-Pech JA, Matta JJ, Mogica-Martínez MD, Rivero-Yeverino D, Ruiz LT, Del Río-Navarro BE, Gómez-Vera J, Macías-Weinmann A, Agache I, Ansotegui I, Bachert C, Bedbrook A, Canonica GW, Casale TB, Cruz Á, Fokkens W, Hellings P, Samolinski B, Bousquet J. Resumen ejecutivo de ARIA 2019: Vías integradas de atención para la rinitis alérgica en Argentina, España y México [Executive Summary of ARIA 2019: Integrated care pathways for allergic rhinitis in Argentina, Spain and Mexico]. *Rev Alerg Mex.* 2019 Oct-Dec;66(4):409-425. Spanish. doi: 10.29262/ram.v66i4.643. PMID: 32105425.

341: Bousquet J, Pfaar O, Togias A, Schünemann HJ, Ansotegui I, Papadopoulos NG, Tsiligianni I, Agache I, Anto JM, Bachert C, Bedbrook A, Bergmann KC, Bosnic-Anticevich S, Bosse I, Brozek J, Calderon MA, Canonica GW, Caraballo L, Cardona V, Casale T, Cecchi L, Chu D, Costa E, Cruz AA, Czarlewski W, Durham SR, Du Toit G, Dykewicz M, Ebisawa M, Fauquert JL, Fernandez-Rivas M, Fokkens WJ, Fonseca J, Fontaine JF, Gerth van Wijk R, Haahtela T, Halken S, Hellings PW, Ierodiakonou D, Iinuma T, Ivancevich JC, Jacobsen L, Jutel M, Kaidashev I, Khaitov M, Kalayci O, Kleine Tebbe J, Klimek L, Kowalski ML, Kuna P, Kvedariene V, La Grutta S, Larenas-Linemann D, Lau S, Laune D, Le L, Lodrup Carlsen K, Lourenço O, Malling HJ, Marien G, Menditto E, Mercier G, Mullol J, Muraro A, O'Hehir R, Okamoto Y, Pajno GB, Park HS, Panzner P, Passalacqua G, Pham-Thi N, Roberts G, Pawankar R, Rolland C, Rosario N, Ryan D, Samolinski B, Sanchez-Borges M, Scadding G, Shamji MH, Sheikh A, Sturm GJ, Todo Bom A, Toppila-Salmi S, Valentin-Rostan M, Valiulis A, Valovirta E, Ventura MT, Wahn U, Walker S, Wallace D, Wasserman S, Yorgancioglu A, Zuberbier T; ARIA Working Group. 2019 ARIA Care pathways for allergen immunotherapy. *Allergy.* 2019 Nov;74(11):2087-2102. doi: 10.1111/all.13805. Epub 2019 Jul 15. PMID: 30955224.

342: Bose S, Henderson RJ, Rogers L, Casale T, Skloot G, Soler X, Wise RA, Que LG. Identifying an at-risk population for poor asthma outcomes: Data from the American Lung Association Asthma Clinical Trials Registry. *J Allergy Clin Immunol Pract.* 2019 Nov-Dec;7(8):2872-2874. doi: 10.1016/j.jaip.2019.04.024. Epub 2019 Apr 28. PMID: 31042562.

343: Klimek L, Bachert C, Pfaar O, Becker S, Bieber T, Brehler R, Buhl R, Casper I, Chaker A, Czech W, Fischer J, Fuchs T, Gerstlauer M, Hörmann K, Jakob T, Jung K, Kopp MV, Mahler V, Merk H, Mülleneisen N, Nemat K, Rabe U, Ring J, Saloga J, Schlenker W, Schmidt-Weber C, Seyfarth H, Sperl A, Spindler T, Staubach P, Strieth S, Treudler R, Vogelberg C, Wallrafen A, Wehrmann W, Wrede H, Zuberbier T, Bedbrook A, Canonica GW, Cardona V, Casale TB, Czarlewski W, Fokkens WJ, Hamelmann E, Jutel M, Larenas-Linnemann D, Mullol J, Papadopoulos NG, Toppila-Salmi S, Werfel T, Bousquet J. ARIA guideline 2019: treatment of allergic rhinitis in the German health system. *Allergol Select.* 2019 Dec 30;3(1):22-50. doi: 10.5414/ALX02120E. PMID: 32176226; PMCID: PMC7066682.

344: Bousquet J, Schünemann HJ, Togias A, Bachert C, Erhola M, Hellings PW, Klimek L, Pfaar O, Wallace D, Ansotegui I, Agache I, Bedbrook A, Bergmann KC,

Bewick M, Bonniaud P, Bosnic-Anticevich S, Bossé I, Bouchard J, Boulet LP, Brozek J, Brusselle G, Calderon MA, Canonica WG, Caraballo L, Cardona V, Casale T, Cecchi L, Chu DK, Costa EM, Cruz AA, Czarlewski W, D'Amato G, Devillier P, Dykewicz M, Ebisawa M, Fauquert JL, Fokkens WJ, Fonseca JA, Fontaine JF, Gemicioglu B, van Wijk RG, Haahtela T, Halken S, Ierodiakonou D, Iinuma T, Ivancevich JC, Jutel M, Kaidashev I, Khaitov M, Kalayci O, Kleine Tebbe J, Kowalski ML, Kuna P, Kvedariene V, La Grutta S, Larenas-Linnemann D, Lau S, Laune D, Le L, Lieberman P, Lodrup Carlsen KC, Lourenço O, Marien G, Carreiro-Martins P, Melén E, Menditto E, Neffen H, Mercier G, Mosques R, Mullol J, Muraro A, Namazova L, Novellino E, O'Hehir R, Okamoto Y, Ohta K, Park HS, Panzner P, Passalacqua G, Pham-Thi N, Price D, Roberts G, Roche N, Rolland C, Rosario N, Ryan D, Samolinski B, Sanchez-Borges M, Scadding GK, Shamji MH, Sheikh A, Borm AT, Toppila-Salmi S, Tsiligianni I, Valentin-Rostan M, Valiulis A, Valovirta E, Ventura MT, Walker S, Wasserman S, Yorgancioglu A, Zuberbier T; Allergic Rhinitis and Its Impact on Asthma Working Group. Next-generation Allergic Rhinitis and Its Impact on Asthma (ARIA) guidelines for allergic rhinitis based on Grading of Recommendations Assessment, Development and Evaluation (GRADE) and real-world evidence. *J Allergy Clin Immunol*. 2020 Jan;145(1):70-80.e3. doi: 10.1016/j.jaci.2019.06.049. Epub 2019 Oct 15. PMID: 31627910.

345: FitzGerald JM, Buhl R, Casale TB, Jugovic B, Zaremba-Pechmann L, Halpin DMG. Tiotropium add-on therapy reduces seasonal peaks of asthma worsening in adults with symptomatic severe asthma. *Eur Respir J*. 2020 Jan 2;55(1):1900964. doi: 10.1183/13993003.00964-2019. PMID: 31619471.

346: Akar-Ghibril N, Casale T, Custovic A, Phipatanakul W. Allergic Endotypes and Phenotypes of Asthma. *J Allergy Clin Immunol Pract*. 2020 Feb;8(2):429-440. doi: 10.1016/j.jaip.2019.11.008. Erratum in: *J Allergy Clin Immunol Pract*. 2020 May;8(5):1779. PMID: 32037107; PMCID: PMC7569362.

347: Nyenhuis SM, Akkoyun E, Liu L, Schatz M, Casale TB. Real-World Assessment of Asthma Control and Severity in Children, Adolescents, and Adults with Asthma: Relationships to Care Settings and Comorbidities. *J Allergy Clin Immunol Pract*. 2020 Mar;8(3):989-996.e1. doi: 10.1016/j.jaip.2019.10.032. Epub 2019 Nov 7. PMID: 31707065; PMCID: PMC7064399.

348: Menzies-Gow A, Bafadhel M, Busse WW, Casale TB, Kocks JWH, Pavord ID, Szeffler SJ, Woodruff PG, de Giorgio-Miller A, Trudo F, Fageras M, Ambrose CS. An expert consensus framework for asthma remission as a treatment goal. *J Allergy Clin Immunol*. 2020 Mar;145(3):757-765. doi: 10.1016/j.jaci.2019.12.006. Epub 2019 Dec 19. PMID: 31866436.

349: Cardet JC, Busse PJ, Carroll JK, Casale TB, Coyne-Beasley T, Dixon-Williams S, Fagan M, Forth VE, Fuhlbrigge AL, Hernandez ML, Kaelber D, Kaplan B, Lorenzi M, Madison S, Maher NE, Majewski K, Manning B, McKee MD, Nazario S, Pace WD, Pencina MJ, Rand CS, Rodriguez-Louis J, She L, Shields J, Teng JE, Wechsler ME, Wisnivesky JP, Yawn BP, Israel E. Adherence to adding inhaled corticosteroids to rescue therapy in a pragmatic trial with adults with asthma: A pilot study. *Ann Allergy Asthma Immunol*. 2020 May;124(5):487-493.e1. doi: 10.1016/j.anai.2019.12.027. Epub 2020 Jan 8. PMID: 31923550; PMCID: PMC7188592.

350: Agache I, Beltran J, Akdis C, Akdis M, Canelo-Aybar C, Canonica GW, Casale T, Chivato T, Corren J, Del Giacco S, Eiwegger T, Firinu D, Gern JE, Hamelmann E, Hanania N, Mäkelä M, Hernández-Martín I, Nair P, O'Mahony L, Papadopoulos NG, Papi A, Park HS, Pérez de Llano L, Posso M, Rocha C, Quirce S, Sastre J, Shamji M, Song Y, Steiner C, Schwarze J, Alonso-Coello P, Palomares O, Jutel M. Efficacy and safety of treatment with biologicals (benralizumab, dupilumab, mepolizumab, omalizumab and reslizumab) for severe eosinophilic asthma. A systematic review for the EAACI Guidelines - recommendations on the use of biologicals in severe asthma. *Allergy*. 2020 May;75(5):1023-1042. doi: 10.1111/all.14221. Epub 2020 Feb 24. PMID: 32034960.

351: Agache I, Rocha C, Beltran J, Song Y, Posso M, Solà I, Alonso-Coello P, Akdis C, Akdis M, Canonica GW, Casale T, Chivato T, Corren J, Del Giacco S, Eiwegger T, Firinu D, Gern JE, Hamelmann E, Hanania N, Mäkelä M, Martín IH, Nair P, O'Mahony L, Papadopoulos NG, Papi A, Park HS, Pérez de Llano L, Quirce S, Sastre J, Shamji M, Schwarze J, Canelo-Aybar C, Palomares O, Jutel M. Efficacy and safety of treatment with biologicals (benralizumab, dupilumab and omalizumab) for severe allergic asthma: A systematic review for the EAACI Guidelines - recommendations on the use of biologicals in severe asthma. *Allergy*. 2020 May;75(5):1043-1057. doi: 10.1111/all.14235. PMID: 32064642.

352: Agache I, Song Y, Rocha C, Beltran J, Posso M, Steiner C, Alonso-Coello P, Akdis C, Akdis M, Canonica GW, Casale T, Chivato T, Corren J, Del Giacco S, Eiwegger T, Firinu D, Gern JE, Hamelmann E, Hanania N, Mäkelä M, Martín IH, Nair P, O'Mahony L, Papadopoulos NG, Papi A, Park HS, Pérez de Llano L, Quirce S, Sastre J, Shamji M, Schwarze J, Canelo-Aybar C, Palomares O, Jutel M. Efficacy and safety of treatment with dupilumab for severe asthma: A systematic review of the EAACI guidelines-Recommendations on the use of biologicals in severe asthma. *Allergy*. 2020 May;75(5):1058-1068. doi: 10.1111/all.14268. Epub 2020 Apr 1. PMID: 32154939.

353: Bousquet J, Anto JM, Iaccarino G, Czarlewski W, Haahtela T, Anto A, Akdis CA, Blain H, Canonica GW, Cardona V, Cruz AA, Illario M, Ivancevich JC, Jutel M, Klimek L, Kuna P, Laune D, Larenas-Linnemann D, Mullol J, Papadopoulos NG, Pfaar O, Samolinski B, Valiulis A, Yorgancioglu A, Zuberbier T; ARIA group. Is diet partly responsible for differences in COVID-19 death rates between and within countries? *Clin Transl Allergy*. 2020 May 27;10:16. doi: 10.1186/s13601-020-00323-0. Erratum in: *Clin Transl Allergy*. 2020 Oct 26;10:44. PMID: 32499909; PMCID: PMC7250534.

354: Casale TB, Wang J, Nowak-Wegrzyn A. Acute At Home Management of Anaphylaxis During the Covid-19 Pandemic. *J Allergy Clin Immunol Pract*. 2020 Jun;8(6):1795-1797. doi: 10.1016/j.jaip.2020.04.022. Epub 2020 Apr 18. PMID: 32315792; PMCID: PMC7166008.

355: Bédard A, Antó JM, Fonseca JA, Arnavielhe S, Bachert C, Bedbrook A, Bindslev-Jensen C, Bosnic-Anticevich S, Cardona V, Cruz AA, Fokkens WJ, Garcia-Aymerich J, Hellings PW, Ivancevich JC, Klimek L, Kuna P, Kvedariene V, Larenas-Linnemann D, Melén E, Monti R, Mösges R, Mullol J, Papadopoulos NG, Pham-Thi N, Samolinski B, Tomazic PV, Toppila-Salmi S, Ventura MT, Yorgancioglu A, Bousquet J, Pfaar O, Basagaña X; MASK study group. Correlation between work impairment,

scores of rhinitis severity and asthma using the MASK-air[®] App. *Allergy*. 2020 Jul;75(7):1672-1688. doi: 10.1111/all.14204. Epub 2020 Mar 22. PMID: 31995656.

356: Tanno LK, Casale T, Demoly P. Coronavirus Disease (COVID)-19: World Health Organization Definitions and Coding to Support the Allergy Community and Health Professionals. *J Allergy Clin Immunol Pract*. 2020 Jul-Aug;8(7):2144-2148. doi: 10.1016/j.jaip.2020.05.002. Epub 2020 May 11. PMID: 32418622; PMCID: PMC7211746.

357: Smith JA, Kitt MM, Morice AH, Birring SS, McGarvey LP, Sher MR, Li YP, Wu WC, Xu ZJ, Muccino DR, Ford AP; Protocol 012 Investigators. Gefapixant, a P2X3 receptor antagonist, for the treatment of refractory or unexplained chronic cough: a randomised, double-blind, controlled, parallel-group, phase 2b trial. *Lancet Respir Med*. 2020 Aug;8(8):775-785. doi: 10.1016/S2213-2600(19)30471-0. Epub 2020 Feb 25. PMID: 32109425.

358: Pepper AN, Assa'ad A, Blaiss M, Brown E, Chinthrajah S, Ciaccio C, Fasano MB, Gupta R, Hong N, Lang D, Mahr T, Malawer E, Roach A, Shreffler W, Sicherer S, Vickers K, Vickery BP, Wasserman R, Yates K, Casale TB. Consensus report from the Food Allergy Research & Education (FARE) 2019 Oral Immunotherapy for Food Allergy Summit. *J Allergy Clin Immunol*. 2020 Aug;146(2):244-249. doi: 10.1016/j.jaci.2020.05.027. Epub 2020 Jun 4. PMID: 32505612.

359: Szeffler SJ, Casale TB, Haselkorn T, Yoo B, Ortiz B, Kattan M, Busse WW. Treatment Benefit with Omalizumab in Children by Indicators of Asthma Severity. *J Allergy Clin Immunol Pract*. 2020 Sep;8(8):2673-2680.e3. doi: 10.1016/j.jaip.2020.03.033. Epub 2020 Apr 13. PMID: 32298853.

360: Tanno LK, Chalmers R, Jacob R, Kostanjsek N, Bierrenbach AL, Martin B, Molinari N, Annesi-Maesano I, Papadopoulos NG, Sanchez-Borges M, Rosenwasser LJ, Ansongtegui I, Ebisawa M, Sisul JC, Jares E, Gomez M, Agache I, Muraro A, Wong GWK, Thien F, Pawankar R, Mahr TA, Sublett JL, Lang DM, Casale T, Demoly P. Global implementation of the world health organization's International Classification of Diseases (ICD)-11: The allergic and hypersensitivity conditions model. *Allergy*. 2020 Sep;75(9):2206-2218. doi: 10.1111/all.14468. Epub 2020 Jul 14. PMID: 32578235.

361: Casale TB, Pedersen S, Rodriguez Del Rio P, Liu AH, Demoly P, Price D. The Role of Aeroallergen Sensitization Testing in Asthma Management. *J Allergy Clin Immunol Pract*. 2020 Sep;8(8):2526-2532. doi: 10.1016/j.jaip.2020.07.004. Epub 2020 Jul 17. PMID: 32687905.

362: Villarreal R, Casale TB. Commonly Used Adjuvant Human Vaccines: Advantages and Side Effects. *J Allergy Clin Immunol Pract*. 2020 Oct;8(9):2953-2957. doi: 10.1016/j.jaip.2020.04.045. Epub 2020 Apr 29. PMID: 32360184.

363: Calderon MA, Wasserman S, Bernstein DI, Demoly P, Douglass J, Gagnon R, Katelaris CH, Kim H, Nelson HS, Okamoto Y, Okubo K, Virchow JC, DuBuske L, Casale TB, Canonica GW, Nolte H. Clinical Practice of Allergen Immunotherapy for Allergic Rhinoconjunctivitis and Asthma: An Expert Panel Report. *J Allergy Clin Immunol Pract*. 2020 Oct;8(9):2920-2936.e1. doi: 10.1016/j.jaip.2020.04.071. Epub

2020 May 16. PMID: 32422372.

364: Bulkhi AA, Shepard KV 2nd, Casale TB, Cardet JC. Elevated Testosterone Is Associated with Decreased Likelihood of Current Asthma Regardless of Sex. *J Allergy Clin Immunol Pract*. 2020 Oct;8(9):3029-3035.e4. doi: 10.1016/j.jaip.2020.05.022. Epub 2020 May 30. PMID: 32485237; PMCID: PMC7798361.

365: Bulkhi AA, Shepard KV 2nd, Casale TB, Cardet JC. Reply to "The association between free testosterone and current asthma". *J Allergy Clin Immunol Pract*. 2020 Oct;8(9):3245. doi: 10.1016/j.jaip.2020.07.028. PMID: 33039019.

366: Bousquet J, Anto JM, Iaccarino G, Czarlewski W, Haahtela T, Anto A, Akdis CA, Blain H, Walter Canonica G, Cardona V, Cruz AA, Illario M, Ivancevich JC, Jutel M, Klimek L, Kuna P, Laune D, Larenas-Linnemann D, Mullol J, Papadopoulos NG, Pfaar O, Samolinski B, Valiulis A, Yorgancioglu A, Zuberbier T; ARIA group. Correction to: Is diet partly responsible for differences in COVID-19 death rates between and within countries? *Clin Transl Allergy*. 2020 Oct 26;10:44. doi: 10.1186/s13601-020-00351-w. Erratum for: *Clin Transl Allergy*. 2020 May 27;10:16. PMID: 33110492; PMCID: PMC7586361.

367: Wang S, Xie Y, Huo YW, Li Y, Abel PW, Jiang H, Zou X, Jiao HZ, Kuang X, Wolff DW, Huang YG, Casale TB, Panettieri RA Jr, Wei T, Cao Z, Tu Y. Airway relaxation mechanisms and structural basis of osthole for improving lung function in asthma. *Sci Signal*. 2020 Nov 24;13(659):eaax0273. doi: 10.1126/scisignal.aax0273. PMID: 33234690; PMCID: PMC8720283.

368: Bousquet J, Cristol JP, Czarlewski W, Anto JM, Martineau A, Haahtela T, Fonseca SC, Iaccarino G, Blain H, Fiocchi A, Canonica GW, Fonseca JA, Vidal A, Choi HJ, Kim HJ, Le Moing V, Reynes J, Sheikh A, Akdis CA, Zuberbier T; ARIA group. Nrf2-interacting nutrients and COVID-19: time for research to develop adaptation strategies. *Clin Transl Allergy*. 2020 Dec 3;10(1):58. doi: 10.1186/s13601-020-00362-7. PMID: 33292691; PMCID: PMC7711617.

369: Bédard A, Basagaña X, Anto JM, Garcia-Aymerich J, Devillier P, Arnavielhe S, Bedbrook A, Onorato GL, Czarlewski W, Murray R, Almeida R, Fonseca JA, Correia da Sousa J, Costa E, Morais-Almeida M, Todo-Bom A, Cecchi L, De Feo G, Illario M, Menditto E, Monti R, Stellato C, Ventura MT, Annesi-Maesano I, Bosse I, Fontaine JF, Pham-Thi N, Thibaudon M, Schmid-Grendelmeier P, Spertini F, Chavannes NH, Fokkens WJ, Reitsma S, Dubakiene R, Emuzyte R, Kvedariene V, Valiulis A, Kuna P, Samolinski B, Klimek L, Mösges R, Pfaar O, Shamaï S, Roller-Wirnsberger RE, Tomazic PV, Ryan D, Sheikh A, Haahtela T, Toppila-Salmi S, Valovirta E, Cardona V, Mullol J, Valero A, Makris M, Papadopoulos NG, Prokopakis EP, Psarros F, Bachert C, Hellings PW, Pugin B, Bindeslev-Jensen C, Eller E, Kull I, Melén E, Wickman M, De Vries G, van Eerd M, Agache I, Ansotegui IJ, Bosnic-Anticevich S, Cruz AA, Casale T, Ivancevich JC, Larenas-Linnemann DE, Sofiev M, Wallace D, Wasserman S, Yorgancioglu A, Laune D, Bousquet J; MASK study group. Treatment of allergic rhinitis during and outside the pollen season using mobile technology. A MASK study. *Clin Transl Allergy*. 2020 Dec 9;10(1):62. doi: 10.1186/s13601-020-00342-x. PMID: 33298191; PMCID: PMC7726888.

370: Agache I, Akdis CA, Akdis M, Canonica GW, Casale T, Chivato T, Corren J,

Chu DK, Del Giacco S, Eiwegger T, Flood B, Firinu D, Gern JE, Hamelmann E, Hanania N, Hernández-Martín I, Knibb R, Mäkelä M, Nair P, O'Mahony L, Papadopoulos NG, Papi A, Park HS, Pérez de Llano L, Pfaar O, Quirce S, Sastre J, Shamji M, Schwarze J, Palomares O, Jutel M. EAACI Biologicals Guidelines-Recommendations for severe asthma. *Allergy*. 2021 Jan;76(1):14-44. doi: 10.1111/all.14425. Epub 2020 Aug 10. PMID: 32484954.

371: Bousquet J, Anto JM, Bachert C, Haahtela T, Zuberbier T, Czarlewski W, Bedbrook A, Bosnic-Anticevich S, Walter Canonica G, Cardona V, Costa E, Cruz AA, Erhola M, Fokkens WJ, Fonseca JA, Illario M, Ivancevich JC, Jutel M, Klimek L, Kuna P, Kvedariene V, Le L, Larenas-Linnemann DE, Laune D, Lourenço OM, Melén E, Mullol J, Niedozytko M, Odemyr M, Okamoto Y, Papadopoulos NG, Patella V, Pfaar O, Pham-Thi N, Rolland C, Samolinski B, Sheikh A, Sofiev M, Suppli Ulrik C, Todo-Bom A, Tomazic PV, Toppila-Salmi S, Tsiligianni I, Valiulis A, Valovirta E, Ventura MT, Walker S, Williams S, Yorgancioglu A, Agache I, Akdis CA, Almeida R, Anotegui IJ, Annesi-Maesano I, Arnavielhe S, Basagaña X, D Bateman E, Bédard A, Bedolla-Barajas M, Becker S, Bennoor KS, Benveniste S, Bergmann KC, Bewick M, Bialek S, E Billo N, Bindslev-Jensen C, Bjermer L, Blain H, Bonini M, Bonniaud P, Bosse I, Bouchard J, Boulet LP, Bourret R, Boussery K, Braido F, Briedis V, Briggs A, Brightling CE, Brozek J, Brusselle G, Brussino L, Buhl R, Buonaiuto R, Calderon MA, Camargos P, Camuzat T, Caraballo L, Carriazo AM, Carr W, Cartier C, Casale T, Cecchi L, Cepeda Sarabia AM, H Chavannes N, Chkhartishvili E, Chu DK, Cingi C, Correia de Sousa J, Costa DJ, Courbis AL, Custovic A, Cvetkosvki B, D'Amato G, da Silva J, Dantas C, Dokic D, Dauvilliers Y, De Feo G, De Vries G, Devillier P, Di Capua S, Dray G, Dubakiene R, Durham SR, Dykewicz M, Ebisawa M, Gaga M, El-Gamal Y, Heffler E, Emuzyte R, Farrell J, Fauquert JL, Fiocchi A, Fink-Wagner A, Fontaine JF, Fuentes Perez JM, Gemicioğlu B, Gamkrelidze A, Garcia-Aymerich J, Gevaert P, Gomez RM, González Diaz S, Gotua M, Guldemond NA, Guzmán MA, Hajjam J, Huerta Villalobos YR, Humbert M, Iaccarino G, Ierodiakonou D, Iinuma T, Jassem E, Joos G, Jung KS, Kaidashev I, Kalayci O, Kardas P, Keil T, Khaitov M, Khaltayev N, Kleine-Tebbe J, Kouznetsov R, Kowalski ML, Kritikos V, Kull I, La Grutta S, Leonardini L, Ljungberg H, Lieberman P, Lipworth B, Lodrup Carlsen KC, Lopes-Pereira C, Loureiro CC, Louis R, Mair A, Mahboub B, Makris M, Malva J, Manning P, Marshall GD, Masjedi MR, Maspero JF, Carreiro-Martins P, Makela M, Mathieu-Dupas E, Maurer M, De Manuel Keenoy E, Melo-Gomes E, Meltzer EO, Menditto E, Mercier J, Micheli Y, Miculinic N, Mihaltan F, Milenkovic B, Mitsias DI, Moda G, Mogica-Martinez MD, Mohammad Y, Montefort S, Monti R, Morais-Almeida M, Mösges R, Münter L, Muraro A, Murray R, Naclerio R, Napoli L, Namazova-Baranova L, Neffen H, Nekam K, Neou A, Nordlund B, Novellino E, Nyembue D, O'Hehir R, Ohta K, Okubo K, Onorato GL, Orlando V, Ouedraogo S, Palamarchuk J, Pali-Schöll I, Panzner P, Park HS, Passalacqua G, Pépin JL, Paulino E, Pawankar R, Phillips J, Picard R, Pinnock H, Plavec D, Popov TA, Portejoie F, Price D, Prokopakis EP, Psarros F, Pugin B, Puggioni F, Quinones-Delgado P, Raciborski F, Rajabian-Söderlund R, Regateiro FS, Reitsma S, Rivero-Yeverino D, Roberts G, Roche N, Rodriguez-Zagal E, Rolland C, Roller-Wirnsberger RE, Rosario N, Romano A, Rottem M, Ryan D, Salimäki J, Sanchez-Borges MM, Sastre J, Scadding GK, Scheire S, Schmid-Grendelmeier P, Schünemann HJ, Sarquis Serpa F, Shamji M, Sisul JC, Sofiev M, Solé D, Somekh D, Sooronbaev T, Sova M, Spertini F, Spranger O, Stellato C, Stelmach R, Thibaudon M, To T, Toumi M, Usmani O, Valero AA, Valenta R, Valentin-Rostan M, Pereira MU, van der Kleij R, Van Eerd M, Vandenplas O, Vasankari T, Vaz Carneiro A, Vezzani G, Viart F, Viegi G, Wallace

D, Wagenmann M, Wang Y, Wasserman S, Wickman M, Williams DM, Wong G, Wroczynski P, Yiallourous PK, Yusuf OM, Zar HJ, Zeng S, Zernotti ME, Zhang L, Shan Zhong N, Zidarn M. ARIA digital anamorphosis: Digital transformation of health and care in airway diseases from research to practice. *Allergy*. 2021 Jan;76(1):168-190. doi: 10.1111/all.14422. Epub 2020 Oct 23. PMID: 32512619.

372: Damask CC, Ryan MW, Casale TB, Castro M, Franzese CB, Lee SE, Levy JM, Lin SY, Lio PA, Peters AT, Platt MP, White AA. Targeted Molecular Therapies in Allergy and Rhinology. *Otolaryngol Head Neck Surg*. 2021 Jan;164(1_suppl):S1-S21. doi: 10.1177/0194599820965233. Epub 2020 Nov 3. PMID: 33138725.

373: Tanno LK, Touati N, Allichon S, Martin B, Ebisawa M, Ansotegui I, Sanchez-Borges M, Cardona V, Greenberger PA, Ryan D, Pouessel G, Beaudouin E, Renaudin JM, Thien F, Chang YS, Pawankar R, Gomez M, Jares E, Staffeld PL, Agache I, Muraro A, Mahr TA, Sublett J, Casale T, Lang D, Demoly P. A Proposal from the Montpellier World Health Organization Collaborating Centre for Better Management and Prevention of Anaphylaxis. *J Allergy Clin Immunol Pract*. 2021 Feb;9(2):676-683.e1. doi: 10.1016/j.jaip.2020.09.062. Epub 2020 Oct 13. PMID: 33059097.

374: Israel E, Cardet JC, Carroll JK, Fuhlbrigge AL, Pace WD, Maher NE, She L, Rockhold FW, Fagan M, Forth VE, Hernandez PA, Manning BK, Rodriguez-Louis J, Shields JB, Coyne-Beasley T, Kaplan BM, Rand CS, Morales-Cosme W, Wechsler ME, Wisnivesky JP, White M, Yawn BP, McKee MD, Busse PJ, Kaelber DC, Nazario S, Hernandez ML, Apter AJ, Chang KL, Pinto-Plata V, Stranges PM, Hurley LP, Trevor J, Casale TB, Chupp G, Riley IL, Shenoy K, Pasarica M, Calderon-Candelario RA, Tapp H, Baydur A. A randomized, open-label, pragmatic study to assess reliever-triggered inhaled corticosteroid in African American/Black and Hispanic/Latinx adults with asthma: Design and methods of the PREPARE trial. *Contemp Clin Trials*. 2021 Feb;101:106246. doi: 10.1016/j.cct.2020.106246. Epub 2020 Dec 11. PMID: 33316456; PMCID: PMC8130188.

375: Bousquet J, Jutel M, Akdis CA, Klimek L, Pfaar O, Nadeau KC, Eiwegger T, Bedbrook A, Ansotegui IJ, Anto JM, Bachert C, Bateman ED, Bennoor KS, Berghea EC, Bergmann KC, Blain H, Bonini M, Bosnic-Anticevich S, Boulet LP, Brussino L, Buhl R, Camargos P, Canonica GW, Cardona V, Casale T, Chinthrajah S, Akdis M, Chivato T, Christoff G, Cruz AA, Czarlewski W, Del Giacco S, Du H, El-Gamal Y, Fokkens WJ, Fonseca JA, Gao Y, Gaga M, Gemicioglu B, Gotua M, Haahtela T, Halpin D, Hamelmann E, Hoffmann-Sommergruber K, Humbert M, Ilina N, Ivancevich JC, Joos G, Khaitov M, Kirenga B, Knol EF, Ko FW, Koskinen S, Kowalski ML, Kraxner H, Kudlay D, Kuna P, Kupczyk M, Kvedariene V, Abdul Latiff AH, Le LT, Levin M, Larenas-Linnemann D, Louis R, Masjedi MR, Melén E, Mihaltan F, Milenkovic B, Mohammad Y, Morais-Almeida M, Mullol J, Namazova L, Neffen H, Nunes E, O'Byrne P, O'Hehir R, O'Mahony L, Ohta K, Okamoto Y, Onorato GL, Panzner P, Papadopoulos NG, Passalacqua G, Patella V, Pawankar R, Pham-Thi N, Pigearias B, Popov TA, Puggioni F, Regateiro FS, Rolla G, Rottem M, Samolinski B, Sastre J, Schwarze J, Sheikh A, Scichilone N, Soto-Quiros M, Soto-Martinez M, Sova M, Nicola S, Stelmach R, Suppli-Ulrik C, Taborda-Barata L, To T, Tomazic PV, Toppila-Salmi S, Tsiligianni I, Usmani O, Valiulis A, Ventura MT, Viegi G, Vontetsianos T, Wang Y, Williams S, Wong GWK, Yorgancioglu A, Zernotti M, Zidarn M, Zuberbier T, Agache I. ARIA-EAACI statement on asthma and COVID-19 (June 2, 2020). *Allergy*.

2021 Mar;76(3):689-697. doi: 10.1111/all.14471. Epub 2020 Sep 21. PMID: 32588922; PMCID: PMC7361514.

376: Bousquet J, Anto JM, Czarlewski W, Haahtela T, Fonseca SC, Iaccarino G, Blain H, Vidal A, Sheikh A, Akdis CA, Zuberbier T; ARIA group. Cabbage and fermented vegetables: From death rate heterogeneity in countries to candidates for mitigation strategies of severe COVID-19. *Allergy*. 2021 Mar;76(3):735-750. doi: 10.1111/all.14549. Epub 2020 Sep 15. PMID: 32762135; PMCID: PMC7436771.

377: Demoly P, Corren J, Creticos P, De Blay F, Gevaert P, Hellings P, Kowal K, Le Gall M, Nenasheva N, Passalacqua G, Pfaar O, Tortajada-Girbés M, Vidal C, Worm M, Casale TB. A 300 IR sublingual tablet is an effective, safe treatment for house dust mite-induced allergic rhinitis: An international, double-blind, placebo-controlled, randomized phase III clinical trial. *J Allergy Clin Immunol*. 2021 Mar;147(3):1020-1030.e10. doi: 10.1016/j.jaci.2020.07.036. Epub 2020 Sep 2. PMID: 32890575.

378: Pepper AN, Hanania NA, Humbert M, Casale TB. How to Assess Effectiveness of Biologics for Asthma and What Steps to Take When There Is Not Benefit. *J Allergy Clin Immunol Pract*. 2021 Mar;9(3):1081-1088. doi: 10.1016/j.jaip.2020.10.048. PMID: 33685606.

379: Incorvaia C, Al-Ahmad M, Ansotegui IJ, Arasi S, Bachert C, Bos C, Bousquet J, Bozek A, Caimmi D, Calderón MA, Casale T, Custovic A, De Blay F, Demoly P, Devillier P, Didier A, Fiocchi A, Fox AT, Gevaert P, Gomez M, Heffler E, Ilina N, Irani C, Jutel M, Karagiannis E, Klimek L, Kuna P, O'Hehir R, Kurbacheva O, Matricardi PM, Morais-Almeida M, Mosges R, Novak N, Okamoto Y, Panzner P, Papadopoulos NG, Park HS, Passalacqua G, Pawankar R, Pfaar O, Schmid-Grendelmeier P, Scurati S, Tortajada-Girbés M, Vidal C, Virchow JC, Wahn U, Worm M, Ziegler P, Canonica GW. Personalized medicine for allergy treatment: Allergen immunotherapy still a unique and unmatched model. *Allergy*. 2021 Apr;76(4):1041-1052. doi: 10.1111/all.14575. Epub 2020 Oct 19. PMID: 32869882.

380: Oriol RC, Waqar O, Sharma HP, Casale TB, Wang J. Characteristics of Food Allergic Reactions in United States Restaurants. *J Allergy Clin Immunol Pract*. 2021 Apr;9(4):1675-1682. doi: 10.1016/j.jaip.2020.12.018. Epub 2020 Dec 15. PMID: 33338685.

381: Casale TB, Bousquet J. Allergen Immunotherapy: A Long Way Gone and a Long Way to Go. *J Allergy Clin Immunol Pract*. 2021 May;9(5):1839-1840. doi: 10.1016/j.jaip.2021.03.003. PMID: 33966869.

382: Pepper AN, Sriaroon P, Casale TB. Emerging developments in the forefront of peanut oral immunotherapy. *Curr Opin Allergy Clin Immunol*. 2021 Jun 1;21(3):263-268. doi: 10.1097/ACI.0000000000000739. PMID: 33769315.

383: Bousquet J, Pfaar O, Agache I, Bedbrook A, Akdis CA, Canonica GW, Chivato T, Al-Ahmad M, Abdul Latiff AH, Ansotegui IJ, Bachert C, Baharuddin A, Bergmann KC, Bindeslev-Jensen C, Bjermer L, Bonini M, Bosnic-Anticevich S, Bosse I, Brough HA, Brussino L, Calderon MA, Caraballo L, Cardona V, Carreiro-Martins P, Casale T, Cecchi L, Cepeda Sarabia AM, Chkhartishvili E, Chu DK, Cirule I, Cruz AA,

Czarlewski W, Del Giacco S, Demoly P, Devillier P, Dokic D, Durham SL, Ebisawa M, El-Gamal Y, Emuzyte R, Gamkrelidze A, Fauquert JL, Fiocchi A, Fokkens WJ, Fonseca JA, Fontaine JF, Gawlik R, Gelincik A, Gemicioglu B, Gereda JE, Gerth van Wijk R, Gomez RM, Gotua M, Grisle I, Guzmán MA, Haahtela T, Halcken S, Heffler E, Hoffmann-Sommergruber K, Hossny E, Hrubisko M, Irani C, Ivancevich JC, Ispayeva Z, Julge K, Kaidashev I, Kalayci O, Khaitov M, Klimek L, Knol E, Kowalski ML, Kraxner H, Kull I, Kuna P, Kvedariene V, Kritikos V, Lauerma A, Lau S, Laune D, Levin M, Larenas-Linnemann DE, Lodrup Carlsen KC, Lombardi C, Lourenço OM, Mahboub B, Malling HJ, Manning P, Marshall GD, Melén E, Meltzer EO, Miculinic N, Milenkovic B, Moin M, Montefort S, Morais-Almeida M, Mortz CG, Mösges R, Mullol J, Namazova Baranova L, Neffen H, Nekam K, Niedozytko M, Odemyr M, O'Hehir RE, Ollert M, O'Mahony L, Ohta K, Okamoto Y, Okubo K, Pajno GB, Palomares O, Palkonen S, Panzner P, Papadopoulos N, Park HS, Passalacqua G, Patella V, Pawankar R, Pham-Thi N, Plavec D, Popov TA, Recto M, Regateiro FS, Riggioni C, Roberts G, Rodriguez-Gonzales M, Rosario N, Rottem M, Rouadi PW, Ryan D, Samolinski B, Sanchez-Borges M, Serpa FS, Sastre J, Scadding GK, Shamji MH, Schmid-Grendelmeier P, Schünemann HJ, Sheikh A, Scichilone N, Sisul JC, Sofiev M, Solé D, Sooronbaev T, Soto-Martinez M, Soto-Quiros M, Sova M, Schwarze J, Skypala I, Suppli-Ulrik C, Taborda-Barata L, Todo-Bom A, Torres MJ, Valentin-Rostan M, Tomazic PV, Valero A, Toppila-Salmi S, Tsiligianni I, Untersmayr E, Urrutia-Pereira M, Valiulis A, Valovirta E, Vandenplas O, Ventura MT, Vichyanond P, Wagenmann M, Wallace D, Walusiak-Skorupa J, Wang Y, Wasserman S, Wong GW, Yorgancioglu A, Yusuf OM, Zernotti M, Zhang L, Zidarn M, Zuberbier T, Jutel M. ARIA-EAACI care pathways for allergen immunotherapy in respiratory allergy. *Clin Transl Allergy*. 2021 Jun 9;11(4):e12014. doi: 10.1002/ct2.12014. PMID: 34136127; PMCID: PMC8190541.

384: Hagemann J, Onorato GL, Jutel M, Akdis CA, Agache I, Zuberbier T, Czarlewski W, Mullol J, Bedbrook A, Bachert C, Bennoor KS, Bergmann KC, Braidó F, Camargos P, Caraballo L, Cardona V, Casale T, Cecchi L, Chivato T, Chu DK, Cingi C, Correia-de-Sousa J, Del Giacco S, Dokic D, Dykewicz M, Ebisawa M, El-Gamal Y, Emuzyte R, Fauquert JL, Fiocchi A, Fokkens WJ, Fonseca JA, Gemicioglu B, Gomez RM, Gotua M, Haahtela T, Hamelmann E, Iinuma T, Ivancevich JC, Jassem E, Kalayci O, Kardas P, Khaitov M, Kuna P, Kvedariene V, Larenas-Linnemann DE, Lipworth B, Makris M, Maspero JF, Miculinic N, Mihaltan F, Mohammad Y, Montefort S, Morais-Almeida M, Mösges R, Naclerio R, Neffen H, Niedozytko M, O'Hehir RE, Ohta K, Okamoto Y, Okubo K, Panzner P, Papadopoulos NG, Passalacqua G, Patella V, Pereira A, Pfaar O, Plavec D, Popov TA, Prokopakis EP, Puggioni F, Raciborski F, Reijula J, Regateiro FS, Reitsma S, Romano A, Rosario N, Rottem M, Ryan D, Samolinski B, Sastre J, Solé D, Sova M, Stellato C, Suppli-Ulrik C, Tsiligianni I, Valero A, Valiulis A, Valovirta E, Vasankari T, Ventura MT, Wallace D, Wang Y, Williams S, Yorgancioglu A, Yusuf OM, Zernotti M, Bousquet J, Klimek L. Differentiation of COVID-19 signs and symptoms from allergic rhinitis and common cold: An ARIA-EAACI-GA² LEN consensus. *Allergy*. 2021 Aug;76(8):2354-2366. doi: 10.1111/all.14815. Epub 2021 May 14. PMID: 33730365; PMCID: PMC8250633.

385: Soong W, Yoo B, Pazwash H, Holweg CTJ, Casale TB. Omalizumab response in patients with asthma by number and type of allergen. *Ann Allergy Asthma Immunol*. 2021 Aug;127(2):223-231. doi: 10.1016/j.anai.2021.04.002. Epub 2021 Apr 8. PMID: 33838339.

- 386: Casale T, Molfino NA, Silver J, Bogart M, Packnett E, McMorrow D, Wu J, Hahn B. Real-world effectiveness of mepolizumab in patients with severe asthma and associated comorbidities. *Ann Allergy Asthma Immunol*. 2021 Sep;127(3):354-362.e2. doi: 10.1016/j.anai.2021.05.021. Epub 2021 May 24. PMID: 34038773.
- 387: Bousquet J, Agache I, Blain H, Jutel M, Ventura MT, Worm M, Del Giacco S, Benetos A, Bilo BM, Czarlewski W, Abdul Latiff AH, Al-Ahmad M, Angier E, Annesi-Maesano I, Atanaskovic-Markovic M, Bachert C, Barbaud A, Bedbrook A, Bennoor KS, Berghea EC, Bindsløv-Jensen C, Bonini S, Bosnic-Anticevich S, Brockow K, Brussino L, Camargos P, Canonica GW, Cardona V, Carreiro-Martins P, Carriazo A, Casale T, Caubet JC, Cecchi L, Cherubini A, Christoff G, Chu DK, Cruz AA, Dokic D, El-Gamal Y, Ebisawa M, Eberlein B, Farrell J, Fernandez-Rivas M, Fokkens WJ, Fonseca JA, Gao Y, Gavazzi G, Gawlik R, Gelincik A, Gemicioğlu B, Gotua M, Guérin O, Haahtela T, Hoffmann-Sommergruber K, Hoffmann HJ, Hofmann M, Hrubisko M, Illario M, Irani C, Ispayeva Z, Ivancevich JC, Julge K, Kaidashev I, Khaitov M, Knol E, Kraxner H, Kuna P, Kvedariene V, Lauerma A, Le LTT, Le Moing V, Levin M, Louis R, Lourenco O, Mahler V, Martin FC, Matucci A, Milenkovic B, Miot S, Montella E, Morais-Almeida M, Mortz CG, Mullol J, Namazova-Baranova L, Neffen H, Nekam K, Niedożytko M, Odemyr M, O'Hehir RE, Okamoto Y, Ollert M, Palomares O, Papadopoulos NG, Panzner P, Passalacqua G, Patella V, Petrovic M, Pfaar O, Pham-Thi N, Plavec D, Popov TA, Recto MT, Regateiro FS, Reynes J, Roller-Winsberger RE, Rolland Y, Romano A, Rondon C, Rottem M, Rouadi PW, Salles N, Samolinski B, Santos AF, S Sarquis F, Sastre J, M G A Schols J, Scichilone N, Sediva A, Shamji MH, Sheikh A, Skypala I, Smolinska S, Sokolowska M, Sousa-Pinto B, Sova M, Stelmach R, Sturm G, Suppli Ulrik C, Todo-Bom AM, Toppila-Salmi S, Tsiligianni I, Torres M, Untersmayr E, Urrutia Pereira M, Valiulis A, Vitte J, Vultaggio A, Wallace D, Walusiak-Skorupa J, Wang DY, Wasserman S, Yorgancioglu A, Yusuf OM, Zernotti M, Zidarn M, Chivato T, Akdis CA, Zuberbier T, Klimek L. Management of anaphylaxis due to COVID-19 vaccines in the elderly. *Allergy*. 2021 Oct;76(10):2952-2964. doi: 10.1111/all.14838. PMID: 33811358; PMCID: PMC8251336.
- 388: Gupta RS, Sehgal S, Brown DA, Das R, Fierstein JL, Casale TB, Nowak-Węgrzyn AH, Bilaver LA. Characterizing Biphasic Food-Related Allergic Reactions Through a US Food Allergy Patient Registry. *J Allergy Clin Immunol Pract*. 2021 Oct;9(10):3717-3727. doi: 10.1016/j.jaip.2021.05.009. Epub 2021 May 24. PMID: 34033980.
- 389: Busse WW, Wenzel SE, Casale TB, FitzGerald JM, Rice MS, Daizadeh N, Deniz Y, Patel N, Harel S, Rowe PJ, Graham NMH, O'Riordan T, Pavord ID. Baseline FeNO as a prognostic biomarker for subsequent severe asthma exacerbations in patients with uncontrolled, moderate-to-severe asthma receiving placebo in the LIBERTY ASTHMA QUEST study: a post-hoc analysis. *Lancet Respir Med*. 2021 Oct;9(10):1165-1173. doi: 10.1016/S2213-2600(21)00124-7. Epub 2021 Jun 25. PMID: 34181876.
- 390: Muraro A, Sublett JW, Haselkorn T, Nilsson C, Casale TB. Incidence of anaphylaxis and accidental peanut exposure: A systematic review. *Clin Transl Allergy*. 2021 Oct;11(8):e12064. doi: 10.1002/ctt2.12064. PMID: 34708943; PMCID: PMC8694181.

391: Busse WW, Paggiaro P, Muñoz X, Casale TB, Castro M, Canonica GW, Douglass JA, Tohda Y, Daizadeh N, Ortiz B, Pandit-Abid N. Impact of baseline patient characteristics on dupilumab efficacy in type 2 asthma. *Eur Respir J*. 2021 Oct 7;58(4):2004605. doi: 10.1183/13993003.04605-2020. PMID: 34326187; PMCID: PMC8522685.

392: Warren CM, Roach A, Das R, Casale TB, Vickery BP, Wasserman RL, Gupta RS. Oral Immunotherapy-Related Awareness, Attitudes, and Experiences Among a Nationally Representative Sample of Food Allergy Patients/Caregivers. *J Allergy Clin Immunol Pract*. 2021 Nov;9(11):4087-4094.e3. doi: 10.1016/j.jaip.2021.07.020. Epub 2021 Jul 29. PMID: 34333192.

393: Paige SR, Wilczewski H, Casale TB, Bunnell BE. Using a computer-tailored COPD screening assessment to promote advice-seeking behaviors. *World Allergy Organ J*. 2021 Nov 5;14(11):100603. doi: 10.1016/j.waojou.2021.100603. PMID: 34820051; PMCID: PMC8585644.

394: Georas SN, Wright RJ, Ivanova A, Israel E, LaVange LM, Akuthota P, Carr TF, Denlinger LC, Fajt ML, Kumar R, O'Neal WK, Phipatanakul W, Szeffler SJ, Aronica MA, Bacharier LB, Burbank AJ, Castro M, Crotty Alexander L, Bamdad J, Cardet JC, Comhair SAA, Covar RA, DiMango EA, Erwin K, Erzurum SC, Fahy JV, Gaffin JM, Gaston B, Gerald LB, Hoffman EA, Holguin F, Jackson DJ, James J, Jarjour NN, Kenyon NJ, Khatri S, Kirwan JP, Kraft M, Krishnan JA, Liu AH, Liu MC, Marquis MA, Martinez F, Mey J, Moore WC, Moy JN, Ortega VE, Peden DB, Pennington E, Peters MC, Ross K, Sanchez M, Smith LJ, Sorkness RL, Wechsler ME, Wenzel SE, White SR, Zein J, Zeki AA, Noel P; PrecISE Study Team. The Precision Interventions for Severe and/or Exacerbation-Prone (PrecISE) Asthma Network: An overview of Network organization, procedures, and interventions. *J Allergy Clin Immunol*. 2021 Nov 29:S0091-6749(21)01819-4. doi: 10.1016/j.jaci.2021.10.035. Epub ahead of print. PMID: 34848210.

395: Saco T, Ugalde IC, Cardet JC, Casale TB. Strategies for choosing a biologic for your patient with allergy or asthma. *Ann Allergy Asthma Immunol*. 2021 Dec;127(6):627-637. doi: 10.1016/j.anai.2021.09.009. Epub 2021 Sep 23. PMID: 34642091.

396: Sousa-Pinto B, Azevedo LF, Jutel M, Agache I, Canonica GW, Czarlewski W, Papadopoulos NG, Bergmann KC, Devillier P, Laune D, Klimek L, Anto A, Anto JM, Eklund P, Almeida R, Bedbrook A, Bosnic-Anticevich S, Brough HA, Brussino L, Cardona V, Casale T, Cecchi L, Charpin D, Chivato T, Costa EM, Cruz AA, Dramburg S, Durham SR, De Feo G, Gerth van Wijk R, Fokkens WJ, Gemicioglu B, Haahtela T, Illario M, Ivancevich JC, Kvedariene V, Kuna P, Larenas-Linnemann DE, Makris M, Mathieu-Dupas E, Melén E, Morais-Almeida M, Mösges R, Mullol J, Nadeau KC, Pham-Thi N, O'Hehir R, Regateiro FS, Reitsma S, Samolinski B, Sheikh A, Stellato C, Todo-Bom A, Tomazic PV, Toppila-Salmi S, Valero A, Valiulis A, Ventura MT, Wallace D, Wasserman S, Yorgancioglu A, De Vries G, van Eerd M, Ziegelmayer P, Zuberbier T, Pfaar O, Almeida Fonseca J, Bousquet J. Development and validation of combined symptom-medication scores for allergic rhinitis. *Allergy*. 2021 Dec 21. doi: 10.1111/all.15199. Epub ahead of print. PMID: 34932829.

397: Xie Y, Abel PW, Casale TB, Tu Y. T helper 17 cells and corticosteroid insensitivity in severe asthma. *J Allergy Clin Immunol.* 2021 Dec 22:S0091-6749(21)02672-5. doi: 10.1016/j.jaci.2021.12.769. Epub ahead of print. PMID: 34953791.

398: Brown KR, Baker J, Vereda A, Beyer K, Burks AW, du Toit G, O'B Hourihane J, Jones SM, Norval D, Dana A, Shreffler W, Vickery BP, Casale T, Skeel B, Adelman D. Safety of Peanut (*Arachis hypogaea*) Allergen Powder-dnfp in Children and Teenagers With Peanut Allergy: A Pooled Summary of Phase 3 and Extension Trials. *J Allergy Clin Immunol.* 2021 Dec 28:S0091-6749(21)02740-8. doi: 10.1016/j.jaci.2021.12.780. Epub ahead of print. PMID: 34971646.

399: de Blay F, Gherasim A, Casale TB, Doyen V, Bernstein D. Which patients with asthma are most likely to benefit from allergen immunotherapy? *J Allergy Clin Immunol.* 2022 Jan 23:S0091-6749(22)00080-X. doi: 10.1016/j.jaci.2022.01.011. Epub ahead of print. PMID: 35081376.

E. Other Publications

1. Casale, T.B.: Lindane, Kwell, and Aplastic Anemia. *Postgrad. Med.*, 72:28-30, 1982.
2. Casale, T.B., and Kaliner, M.: Pathophysiology of Asthma. *Clin. Proc.*, 39:200-209, 1983.
3. Marom, Z., and Casale, T.B.: Mast Cells and Their Mediators. *Allergy Digest*, pp. 28-30, 1984
4. Casale, T.B.: Histamine H1 and H2 Receptors. *New Eng. and Reg. Allergy Proc.*, 5:311-317, 1984.
5. Casale, T.B.: Airway Neuropeptides. *Am. J. Rhinology*, 2:121-125, 1988.
6. Little, M.M., and Casale, T.B.: Airway Neuropeptides in the Pathogenesis of Asthma. *Immunol. Allergy Prac.*, 11:15-24, 1989.
7. Grubbe, R., Adelglass, J.M., Casale, T.B., Cohen, R., Jacobson, K.W., Klaustermeyer, W.P., Pleskow, W., Southern, D.L., and Webb, D.R.: Comparison of Intranasal Therapy with Once-Daily Triamcinolone Acetonide Aerosol Versus Twice-Daily Beclomethasone Dipropionate Aqueous Spray in Perennial Allergic Rhinitis. *Curr. Ther. Res.* 57:825-838, 1996.
8. Casale, T.B.: Compliance and Oral Therapy for Asthma. *Allergy Clin. Immunol. Intl.* 9:72-78, 1997.

9. Muller, B.A., Steelman, V.M., Casale, T.B.: Approach to Latex Allergy in the Healthcare Worker. *J. Environmental Health* 61:8-16, 1998.
10. Casale, T.B.: Differential Diagnosis and Management of Rhinitis. *Respiratory Digest* 1:Issue 3; 1-6, 1999.
11. Segura, T., and Casale, T.B.: Allergic Rhinitis: Basic Pathophysiology and Therapeutic Strategies. *Can. J. Allergy Clin. Immunol.* 4:318-330, 1999.
12. Casale, T.B., Nelson, H.S., Corren, J., Newman, K.: Long-Term Safety of Flunisolide Hydrofluoroalkane Metered-Dose Inhaler in Adults and Adolescents with Asthma. *Clinical Drug Investigation.* 2001; 21 (11):755-764.
13. Baki, H.A., and Casale, T.B.: The Role of Leukotrienes in Allergic Rhinitis: Clinical and Experimental Evidence. *Leukotriene Research and Clinical Reviews.* 2001, 2: 4-7.
14. Casale, T.B.: Allergic Rhinitis. *Respiratory Digest* . 2001, 3(Special Report): 5-13.
15. Casale, T.B.: "Clinical Implications of the Allergic Rhinitis/Asthma Connection". Published in a Special Report, *Respir Digest* 2001; 3:1-9.
16. Casale, T.B., Fujimura, N., Sharma, O.P.: Round Table Discussion: Currently Available Inhalation Devices for the Treatment of Asthma. *International Review of Asthma,* 2002 4(1):9-35.
17. Townley, R.G., Hopp, R.J., Agrawal, D.K., Casale, T.B., Hopfenspirger, M.T.: Immunomodulation in the Treatment and/or Prevention of Bronchial Asthma. *Allergy Int* 2002 51(2):63-73.
18. Casale, T.B.: A Look at the Future: New Approaches to Treating Airway Inflammation" *Respiratory Digest* 2003 Special Report:17-23.
19. Casale, T.B.: Managing Antihistamine Impairment in Allergic Rhinitis. *Respiratory Digest* 2003; 51(2):1-11.
20. Casale, T.B., Weiler, J.M.: Pharmacotherapy for Sports Participants with Allergic Rhinitis. *Family Practice Recert.* 2004; 26(7):23-44.
21. Casale, T.B.: Omalizumab: An Effective Anti-IgE Treatment for Allergic Asthma and Rhinitis. *Drugs of Today* 2004, 40 (4):367-376.
22. Stokes, J, Casale, T.B.: Management of the Patient With Allergic Asthma. *Resident Staff Physician.* 2005, 151: 23-30.

23. Lewis E, Casale T: Role of Vitamin D In Asthma. *Therapy*, 2011; 8(3): 297–306.
24. Jonsson-Razdan P, Casale TB: Sublingual Immunotherapy (SLIT). *Ann Resp Med*. 2011.
25. Stokes J, Casale TB: The relationship between IgE and allergic disease. *Up To Date*. 2013-.
26. Stokes J, Casale TB: The biology of IgE. *Up To Date*. 2013-.
27. Stokes J, Casale TB: Anti-IgE therapy. *Up To Date*. 2013-.
28. To, T. & Bouchard, J. & Boulet, L. & Brozek, Jan & Denburg, J. & Schünemann, Holger & Simons, F. & Wasserman, Susan & Keith, P. & Agache, I. & Bachert, Claus & Bedbrook, A. & Canonica, G. & Casale, T. & Cruz, Alvaro & Fokkens, Wytse & Hellings, Peter & Samolinski, B. & Bousquet, Jean. (2018). ARIA 2016 executive summary: Integrated care pathways for predictive, preventive and personalized medicine across the life cycle. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. 2. 1-6. 10.1080/24745332.2017.1410456.
29. Casale TB. Severe Asthma: Current and Future Biologic Therapies. *Pulmonary and Respiratory Medicine Update 2021 October*; 16-18; *New Engl J Med Grp*.

F. Book Chapters

1. Casale TB, Kaliner M: The Role of Mast Cell Mediators in the Pathogenesis of Asthma. *In: Proc. of XI International Congress of Allergology and Clinical Immunology*, J.W. Kerr and M.A. Ganderton (Eds.), London and Basingstoke, The Macmillan Press Limited, 1983, pp. 309-314.
2. Casale TB, Kaliner M: Allergic Reactions in the Respiratory Tract. *In: Immunology of the Lung*, J. Bienenstock (Ed.), New York, McGraw-Hill, 1984, pp. 326-344.
3. Lemanske RF, Casale TB, Kaliner M: The Autonomic Nervous System in Allergic Disease. *In: Allergy*, A.P. Kaplan (Ed.), New York, Churchill Livingstone, Inc., 1985, pp. 199-213.
4. Joad JP, Casale TB: Airway Histamine H1 Receptors. *In: Current Topics in Pulmonary Pharmacology and Toxicology*, Vol. 3, M.A. Hollinger (Ed.), New York, Elsevier, 1987, pp. 95-121.
5. Casale TB: Bronchial Hyperreactivity: Neural Contributions. *In: The Airways: Neural Control in Health and Disease*, M. Kaliner and P. Barnes (Eds.), [Lung Biology in Health and Disease, C. Lenfant (Ex. Ed.)], New York, Marcel Dekker, Inc., 1988, pp. 467-484.
6. Casale TB: Histamine H1 and H2 Receptors. *In: H1 and H2 Histamine Receptors*, G.A. Settiane (Ed.), Providence, RI, Ocean Side Publications, Inc., 1988, pp. 14-20.

7. Little MM, Casale TB: Asthma in the Adolescent and the Adult. In: Conn's Current Therapy 1989, R.E. Rakel (Ed.), W.B. Saunders Co., Philadelphia, 1989, pp. 663-669.
8. Casale TB, Little MM: Neuropeptides and Allergic Diseases. In: Allergy: Principles and Practice (Update Series #2), E. Middleton, Jr., C.E. Reed, E.F. Ellis, N.F. Adkinson, Jr., and J.W. Yunginger (Eds.), St. Louis, Missouri, C.V. Mosby Co., 1989, pp. 1-16.
9. Little MM, Casale TB: Asthma in the Adolescent and the Adult. In: Conn's Current Therapy, R.E. Rakel (Ed.), Philadelphia, Pennsylvania, W.B. Saunders Co., 1990, pp. 677-683.
10. Casale TB: Urticaria and Angioedema. In: Principles and Practice of Pediatrics, F.A. Oski, C. DeAngelis, R.D. Feigin and J.B. Warshaw (Eds.), Philadelphia, Pennsylvania, J.B. Lippincott Co., 1990, pp. 208-211.
11. Casale TB: Mast Cell Mediators and Their Effects on Airway Smooth Muscle. In: Inflammatory Cells and Mediators in Bronchial Asthma, D.K. Agrawal and R.G. Townley (Eds.), Boca Raton, Florida, CRC Press, Inc., 1991, pp. 57-76.
12. Casale TB: Neuropeptides and Allergy. In: Airway Inflammation: The Basis of Rhinitis and Asthma. Research and Clinical Forums. J. Bousquet (Ed.), Kent, England, Wells Medical Ltd., 14:17-24, 1992.
13. Cavanah DK, Casale TB: Histamine. In: The Mast Cell in Health and Disease, M. Kaliner and D. Metcalfe (Eds.), [Lung Biology in Health and Disease, C. Lenfant (Ex. Ed.)], New York, Marcel Dekker, Inc., 62:321-342, 1993.
14. Casale TB: Neurogenic Control of Inflammation and Airway Function. In: Allergy: Principles and Practice, 4th Edition, E. Middleton, Jr., C.E. Reed, E.F. Ellis, N.F. Adkinson, Jr., and J.W. Yunginger (Eds.), St. Louis, Missouri, Mosby-Yearbook Co., 1993, pp. 650-671.
15. Smart SJ, Casale TB: Pathogenesis of Asthma: Mediators and Mechanisms. In: Bronchial Asthma: Principles of Diagnosis and Treatment. M.E. Gershwin and G. Halpern (Eds.), Totowa, NJ, The Humana Press, Inc., 1994, pp. 23-55.
16. Casale TB: Urticaria and Angioedema. In: Principles and Practice of Pediatrics, Second Edition. F.A. Oski, C. DeAngelis, R.D. Feigin, and J.B. Warshaw (Eds.), Philadelphia, PA, J.B. Lippincott Co., 1994, pp. 222-227.
17. Pueringer R, Casale TB: Functional Activity of Lower Airway Nerves. In: Asthma and Rhinitis. W.W. Busse, and S.A. Holgate (Eds.), Cambridge, MA, Blackwell Scientific Publications, Inc., 1995, pp. 635-651.
18. Smart SJ, Casale TB: Abnormal Autonomic Control in Respiratory Disease. In: Autonomic Control of the Respiratory System. P.J. Barnes (Ed.), Chur, Switzerland, Harwood Academic Publishers, 1997, pp. 313-338.
19. Casale TB, Baraniuk JN: The Autonomic Nervous System, Neuropeptides and Allergy. In: Allergy, 2nd ed., A.P. Kaplan (Ed.), Orlando, FL, W.B. Saunders, 1997, pp. 298-325.

20. Smart SJ, Casale TB: The Autonomic Nervous System in Asthma and Rhinitis. In: Allergy & Allergic Diseases, A.B. Kay (Ed.), London, Blackwell Scientific Publications, 1997, pp. 481-502.
21. Casale TB, Baraniuk JN: Neurogenic Control of Inflammation and Airway Function. In: Allergy: Principles and Practice, 5th Edition, E. Middleton, Jr., C.E. Reed, E.F. Ellis, N.F. Adkinson, Jr., and J.W. Yunginger, W.W. Busse (Eds.), St. Louis, Missouri, Mosby-Yearbook Co., 1998, pp. 183-203.
22. Casale TB, Baraniuk JN: Functional Activity of Lower Airway Nerves. In: Asthma and Rhinitis, 2nd Edition, W. Busse, and S. Holgate (Eds.), London, Blackwell Science, 2000 57:866-890.
23. Casale TB, Szeffler SJ: Editors of special issue entitled "Glucocorticosteroids and Asthma" in Clinical Asthma Reviews Volume 1, Number 3, 1997.
24. Casale, T.B.: Urticaria and Angioedema. In: Oski's Pediatrics: Principles and Practice, Third Edition. J.A. McMillan C. DeAngelis, R.D. Feigin, and J.B. Warshaw (Eds.), Philadelphia, Pennsylvania, J.B. Lippincott Co. 1999, 2049-2053.
25. Casale TB: Future Perspectives on Asthma Treatment. Asthma – A Link Between Environment, Immunology, and The Airways. H.E. Neffen, C. E. Baena-Cagnani, L. Fabbri, S. Holgate, P. O'Byrne (Eds) In: Proceedings of the XVI World Congress of Asthma, Buenos Aires, Seattle: Hogrefe and Huber 1999, pp 190-199.
26. Casale TB, Rohane P: Treatment of Seasonal Allergic Rhinitis. In: Anti-IgE and Allergic Disease, P.M. Jardieu and R.B. Fick (Eds.) {Lung Biology in Health and Disease, C. Lenfant (Ex.Ed.)}, New York, Marcel Dekker, Inc. 2002 164: 299-325.
27. Ciesemier L, Casale TB. "Anti-IgE and Asthma" In: Current Review of Asthma. M.A. Kaliner (Ed.) Current Medicine, Inc., Philadelphia, PA 2003 22:215-221.
28. Brownell J, Casale TB: "Anti-IgE Therapy" in Emerging Therapies in Allergic Disease, S. McDonald. (Ed). Immunol and Allergy Clin N America 2004; 24: 551-568.
29. Stokes J, Clark C, Casale T: Future Therapies of Asthma. In: Asthma Prevention, W.W. Busse, R.F. Lemanske (Eds.) 2006; Vol 195:591-614.
30. Stokes J, Casale TB: Urticaria and Angioedema. In: Oski's Pediatrics: Principles and Practice, Fourth Edition. J.A. McMillan, R.D. Feigin, C. D. DeAngelis, and M. D. Jones, Jr. (Eds.) Philadelphia, Pennsylvania, Lippincott Williams and Wilkins. 2006; 2410-2416.
31. Frew AJ, Golden DBK, Casale TB: Immunotherapy. In: Allergy – Third Edition, ST Holgate, LM Lichtenstein, and M Church (Eds.) Elsevier, London 2006.
32. Stokes J, Casale TB: Allergy Immunotherapy. In: Allergy & Asthma. M. Mahmoudi (Ed) McGraw-Hill Co.Inc. New York, NY., 2007; 41: 356-361.
33. Stokes JR, Casale TB: Allergic Rhinitis, Asthma and OSA: the Link. In: Allergy Frontiers: Epigenetics to Future Perspectives. R. Pawankar, S. Holgate and L. Rosenwasser (Eds.); Springer, Tokyo, Japan (In Press).

34. Stokes JR, Casale TB: Allergy Immunotherapy. *Clinical Asthma* (textbook) M.Castro, M. Kraft (Eds.) Elsevier, Philadelphia, PA. 2008; 33:297-302.
35. Stokes JR, Casale TB: Anti-IgE Therapy. *Allergy: Principles and Practice*, Middleton's 7th Edition, N.F. Adkinson, et al (Eds.) Chapter 96, pp.1679-1689. Mosby, Co., St Louis, MO.
36. Stokes JR, Casale TB: Allergic Rhinitis, Asthma and Obstructive Sleep Apnea: The Link. IN: *Allergy Frontiers: Clinical Manifestations*. R. Pawankar, ST Holgate, LJ Rosenwasser (Eds.) 2009 Vol 3; 129-140.
37. Dimov VV, Stokes, JR, Casale TB, Holgate S: "Biologicals" Chapter 4.4: Evidence based approaches to diagnosis and management and GRADE. *Allergic Disease – WAO White Book*. April 2011; p 116-122.
38. Holgate S, Canonica W, Baena-Cagnani CE, Casale TB, et al: "Asthma". Chapter 2.2: *Allergic Disease –WAO White Book*, April 2011; p34-38.
39. Church M, Casale TB: *Principles of Pharmacotherapy*. Chapter 7: Allergy 4th Ed (ST Holgate, MK Church, DH Broide, FD Martinez (Eds) 2012; p-147-169. Elsevier Saunders
40. Stokes J, Casale TB. Anti-IgE Therapy . *MIDDLETON'S ALLERGY: PRINCIPLES AND PRACTICE*, Eighth Edition edited by N. Franklin Adkinson, Jr., MD; Bruce S. Bochner, MD; Wesley Burks, MD; William W. Busse, MD; Stephen T. Holgate; Robert F. Lemanske, Jr., MD; and Robyn E. O'Hehir, MD. 2014;p-1480-1488. Saunders, an imprint of Elsevier Inc.
41. Casale TB. Severe Asthma, *Global Atlas On Asthma*. European Academy of Allergy and Clinical Immunology (EAACI). C Akdis and Ioana Agache, (Eds.) 2013; p-112-114. European Academy of Allergy and Clinical Immunology
42. Fenny N, Dimov VV, Casale TB. Recombinant and Modified Vaccines and Adjuvants Used for Allergen Immunotherapy. *Allergens and Allergen Immunotherapy*, Lockey R and Ledford D, (Eds)2014; Oxford University Press.
43. Bellamkonda P, Casale T: Management of Adult Asthma, *Clinical Asthma: Theory and Practice*, edited by Drs Jonathan Bernstein and Mark Levy. 2014; p-197-206. CRC Press, an imprint of the Taylor & Francis Group.
44. Stokes JR, Casale TB: Allergy Immunotherapy. In: *Allergy & Asthma*. M. Mahmoudi (Ed). 2016; p-639-650. McGraw-Hill Co.Inc. New York, NY.
45. Stokes JR, Casale TB: Anti-IgE Therapy. In: *Allergy & Asthma*. M. Mahmoudi (Ed). 2016; p-623-638. McGraw-Hill Co.Inc. New York, NY.
46. Ledford R, Feldman M, Casale T. Asthma, COPD and the Overlap Syndrome: A case-based overview of similarities and differences: Medications for asthma, COPD, and Overlap Syndrome. Taylor and Francis. 2019.

47. Stokes J, Casale TB. Anti-IgE Therapy . MIDDLETON'S ALLERGY: PRINCIPLES AND PRACTICE, Ninth Edition, 2020

48. Stokes J, Casale TB. Recombinant and Modified Vaccines and Adjuvants used for Allergen Immunotherapy. In: Allergens and Allergen Immunotherapy. Editors: Richard F Lockey and Dennis K Ledford. 2020.

G. Books

1. Manual of Allergy, Asthma & Immunology. D.C. Adelman, T.B. Casale, and J. Corren (Eds.), Philadelphia, PA, Lippincott Williams & Wilkins, 2002.
2. Manual of Allergy and Immunology. (fifth edition) D.C. Adelman, T.B. Casale, J. Corren. Lippincott Williams & Wilkins, 2012.

H. Monographs/CDs

1. Casale TB, Janas JJ III, Janson S, Johnson E, Lawless G. (Advisory Board): Managing Asthma: Optimizing the Healthcare Team. S.C. Lazarus and P.W. Lofholm (Eds.), Laguna Nigues, California, The Institute for Medical Studies, 1996.
2. Casale TB: Immunobiology of Asthma and Rhinitis: Pathogenic Factors and Therapeutic Options. American Thoracic Society Workshop Summary, Montreal, Canada, June, 1997, New York, American Lung Association, 1999.
3. Bond CA, Casale TB, Finn Jr, AF, Tietze KJ. (Advisory Board): Allegra® (fexofenadine NCI). New Therapeutics Bulletin. American Pharmaceutical Association, Washintgon, D.C., 2000.
4. Casale TB, Gelfand EW, Kaliner M, Nathan RA: Targeting the Allergic Cascade: Current and Evolving Options? Medical Crossfire, Special Edition (Moderator Peter L. Salgo, M.D.) 2003; 4(2).
5. Nathan RA, Casale TB, Fleisher TA: Adelphi Oracle: Forum on Evolving Therapies for Allergic Rhinitis. Adelphi Inc., Special Edition, March 2003;1-8.
6. Casale TB, Cydulka R: "Practical Implications of Emergency Department Treatment of Allergic Reactions". Video CME Series 2003, for the American College of Emergency Physicians, (Special Edition) pp. 3-16.
7. Casale TB, Blaiss M, Lang D, Lieberman P, Martin R, Rachelefsky G: Beyond the Basics of Respiratory Diseases. Video/Audio CME (2006-2007) Respiratory and Allergic Disease (RAD) Foundation.

I. Web Based Reviews and Summaries

1. Casale TB: Small Airways, Large Effects. Medscape Respiratory Care Conference Summaries from the American College of Allergy, Asthma and Immunology Annual Meeting; November 12-17, 1999; Chicago, IL. Medscape Respiratory Care, 1999 (c)1999 Medscape, Inc. Available at:
http://RespiratoryCare.medscape.com/Medscape/CNO/1999/ACAAI/story.cfm?story_id=8.
2. Casale TB: Breathing It All In: New Devices and Propellants Deliver More Drug Where It Belongs. Medscape Respiratory Care Conference Summaries from the American College of Allergy, Asthma and Immunology Annual Meeting; November 12-17, 1999; Chicago, IL. Medscape Respiratory Care, 1999 (c), 1999 Medscape, Inc. Available at:
<http://RespiratoryCare.Medscape.com/Medscape/CNO/1999/ACAAI/story.cfm?story-id=8>.
3. CasaleTB: Novel Treatments: Targeting the Immune Response in Psoriasis and Asthma. Medscape Respiratory Care Conference Summaries from the American Academy of Allergy, Asthma and Immunology 56th Annual Meeting; March 3-8, 2000, San Diego, CA. Medscape Respiratory Care, 2000 (c) 2000 Medscape, Inc. Available at:
http://www.medscape.com/Medscape/CNO/2000/AAAAI/Story.cfm?story_id=1054.
4. Casale TB: Mechanisms and Treatment of Airway Disease. Medscape Respiratory Care Conference Summaries from the American Academy of Allergy, Asthma and Immunology 56th Annual Meeting; March 3-8, 2000; San Diego, CA. Medscape Respiratory Care, 2000 (c) 2000 Medscape, Inc. Available at:
http://www.medscape.com/Medscape/CNO/2000/AAAAI/Story.cfm?story_id=1063.
5. Casale TB: Future Treatments In Allergic Disease. Medscape Respiratory Care, June 8, 2000. Available at:
<http://RespiratoryCare.medscape.com/Medscape/Respiratorycare/TreatmentUpdate/2000/tu02/public/toc-tu02.html>.
6. Casale TB: Waiting to Inhale: New Approaches to Drug Delivery. Medscape Respiratory Care Conference Summaries from the 96th International Conference of the American Thoracic Society; May 5-10, 2000; Toronto, Canada. Medscape Respiratory Care, 2000(c) 2000 Medscape, Inc. Available at:
http://www.medscape.com/Medscape/CNO/2000/ATS/Story.cfm?story_id=1251.
7. Casale TB: Lifestyle Factors and Pediatric Asthma. Medscape Respiratory Care Conference Summaries from the 96th International Conference of the American Thoracic Society; May 5-10, 2000; Toronto, Canada. Medscape Respiratory Care 2000 (c) 2000 Medscape Inc. Available at:
http://www.medscape.com/Medscape/CNO/2000/ATS/Story.cfm?story_id=1238

J. Abstracts

1. Casale TB: Development of Large Animal Model of Cardiomyopathy. *Clin. Res.*, 25(4):632A, 1977.
2. Millhouse Jr, EW, Burman SO, Downing S, Casale TB, Greenberg S, Kamaryt J, Locke C: Experimental Model of Cardiomyopathy: Ultrastructural Findings. *Anat. Rec.*, 187:657, 1977.
3. Casale TB, Kaliner M: Alpha-Adrenergic Receptors on Intact Circulating Blood Cells. *J. Allergy Clin. Immunol.*, ;69(Part 2):119, 1982.
4. Casale TB, Kaliner M: 3H-Dihydroergocryptine (DHE) Binding to Platelet-Free Intact Mononuclear Cells. *Fed. Proc.*, 41(3):792, 1982.
5. Sogn DD, Casale TB, Condemni JJ, et al.: The Interim Results of the NIAID Collaborative Clinical Trial of Skin Testing with Major and Minor Penicillin Derivatives in Hospitalized Adults. *J. Allergy Clin. Immunol.*, 71(Part 2):147, 1983.
6. Casale TB, Friedman M, Parada N, Plekes J, Kaliner M: The Preparation of a Human Lung Purified Plasma Membrane Fraction. *Fed. Proc.*, 42(3):162, 1983.
7. Casale TB, Rodbard D, Kaliner M: Characterization of Histamine H-1 Receptors on Human Peripheral Lung. *J. Allergy Clin. Immunol.*, 73:111, 1984.
8. Casale TB, Rodbard D, Kaliner M: Histamine (HA) H1-Receptors on Human Peripheral Lung (HPL). *Ann. Allergy*, 52:222, 1984 (#9).
9. Farnham JE, Spitalny KC, Witherell LE, Vogt RL, Fox RC, Kaliner M, Casale TB: Alpine Slide Anaphylaxis. *J. Allergy Clin. Immunol.*, 73:183, 1984.
10. Casale TB, Wescott S, Parada N, Kaliner M: Localization of Guinea Pig Lung β -Receptors by Immunoperoxidase Histochemistry. *J. Allergy Clin. Immunol.*, 75:180, 1985.
11. Keahey TM, Casale TB, Kaliner MA.: Exercise-Induced Anaphylaxis. *Clin. Res.*, 33:161A, 1985.
12. Casale TB, Wescott S, Parada N, Kaliner M: Immunoperoxidase Localization of Lung Hormone Receptors Using Monoclonal Anti-Cyclic Nucleotide Antibodies. *Am. Rev. Respir. Dis.*, 131:A5, 1985.
13. Sertl K, Casale TB, Wescott S, Nutman T, Kaliner M: Delineation of Lung Cells Bearing Histamine H1 Receptors by Immunohistologic Analysis Employing Monoclonal Anti cGMP Anti-Serum. *Am. Rev. Respir. Dis.*, 131:A7, 1985.
14. Casale TB, Keahey TM, Kaliner M: Exercise-Induced Anaphylaxis. *Ann. Allergy*, 55:334, 1985.
15. Joad J, Casale TB: Characterization of Human Lung Muscarinic Receptors Using Radioligand Techniques. *J. Allergy Clin. Immunol.*, 77(Suppl.):123, 1986 (#10).

16. Rhodes BJ, Casale TB, Donnelly AL, Weiler JM: Methacholine Bronchial Provocation Challenge: A Non-Diagnostic Test? *J. Allergy Clin. Immunol.*, 77(Suppl.):170, 1986 (#198).
17. Casale TB, Wood D, Trapp S, Richerson H, Metzger WJ, Hunninghake GW: Bronchoalveolar Lavage Fluid (BAL) Histamine Levels in Normals, Allergic Rhinitics, and Asthmatics. *J. Allergy Clin. Immunol.*, 77(Suppl.):182, 1986 (#246).
18. Joad J, Casale TB: Comparison of Tritiated and Iodinated Quinuclidinyl Bensylate (QNB) Binding in Human Peripheral Lung. *Am. Rev. Respir. Dis.*, 133:A132, 1986.
19. Casale TB, Hart JE: Characterization of Human Lung Beta-adrenergic Receptors. *Am. Rev. Respir. Dis.*, 133:A132, 1986.
20. Rhodes BJ, Weiler JM, Donnelly AL, Casale TB: Young Asymptomatic Nonatopic Adults Have a High Prevalence of Methacholine Airway Hyperresponsiveness Regardless of Smoking History. *Am. Rev. Respir. Dis.*, 133:A176, 1986.
21. Casale TB, Wood D, Trapp S, Richerson H, Metzger WJ, Hunninghake GW: Elevated Bronchoalveolar Lavage (BAL) Fluid Histamine in Allergic Asthmatics Correlates with Methacholine Bronchial Hyperresponsiveness. *Am. Rev. Respir. Dis.*, 133:A238, 1986.
22. Rhodes BJ, Casale TB: Rational Approach to the Administration of Anti-Cancer Drugs to Patients with Previous Hypersensitivity Reactions. *J. Allergy Clin. Immunol.*, 79:199, 1987.
23. Little MM, Casale TB: Azelastine Inhibits Both Human Lung and Basophil Degranulation. *J. Allergy Clin. Immunol.*, 79:204, 1987.
24. Weiler JM, Rhodes BJ, Casale TB.: Atopic Predisposition and Cigarette Smoking are Synergistic Factors for Airway Hyperreactivity. *J. Allergy Clin. Immunol.*, 79:261, 1987.
25. Casale TB, Trapp S, Wood D, Richerson H, Hunninghake G: Local Bronchial Challenge Induces Mast Cell Degranulation and Airway Constriction in Allergic Asthmatics. *J. Allergy Clin. Immunol.*, 79:246, 1987.
26. Casale TB, Trapp S, Wood D, Zehr B, Hunninghake GW: Elevated Bronchoalveolar Lavage Fluid (BAL) Histamine Levels in Interstitial Lung Diseases Are Associated With Disease Activity. *Am. Rev. Respir. Dis.*, 135:A29, 1987.
27. Casale TB, Ecklund P, Wood D: Characterization of Muscarinic Receptor Subtypes in Human Peripheral Lung. *Am. Rev. Respir. Dis.*, 135:A274, 1987.
28. Little MM, Casale TB: Azelastine Inhibits Stimulated Histamine Release From Human Lung Tissue But Does Not Alter Cyclic Nucleotide Content. *Am. Rev. Respir. Dis.*, 135:A317, 1987.
29. Smith R, Casale TB: Codeine (C) and *Alternaria* (A) Differ in Ability to Elicit Late Cutaneous Responses (LCR). *J. Allergy Clin. Immunol.*, 81:180, 1988.
30. Little M, Ecklund P, Casale TB: Azelastine's Therapeutic Action in Asthma. *J. Allergy Clin. Immunol.*, 81:278, 1988.

31. LaMarte F, Merchant J, Casale TB: Acute Systemic Reactions to Carbonless Copy Paper Associated with Histamine Release. *J. Allergy Clin. Immunol.*, 81:324, 1988. (#625)
32. Zehr B, Casale TB, Wood D, Monick M, Floerchinger C, Richerson H, Hunninghake G: Segmental Airway Lavage Increases Detection of Mediators in Airways of Normal Individuals, Individuals with Allergic Rhinitis and Allergic Asthma. *Am. Rev. Respir. Dis.*, 137(4):211, 1988.
33. Smith RM, Casale TB: Atopy and Cigarette Smoking Contribute to the Prevalence and Degree of Airway Hyperresponsiveness. *Am. Rev. Respir. Dis.*, 137(4):230, 1988.
34. Little M, Hunninghake G, Wood D, Helmers R, Casale T: Elevated Bronchoalveolar Lavage Fluid (BAL) Histamine Levels are Associated with Parenchymal Lung Disease in Rheumatoid Arthritis (RA). *Am. Rev. Respir. Dis.*, 137(4):346, 1988.
35. Casale TB, Ballas Z, Kaliner M, Keahey T: Humans Given Intravenous (IV) Endotoxin Have Increased Interleukin (IL)1, Cortisol, and β -Endorphin Levels. *N Eng. Reg. Allergy Proc.* 9:324, 1988.
36. Smith R, Argenyi Z, Piette W, Casale TB: Histologic Studies of Late Cutaneous Responses (LCR) to Codeine (C) and *Alternaria* (A). *J. Allergy Clin. Immunol.*, 83:242, 1989.
37. Little MM, Abbas M, Casale TB: Comparison of PAF-Induced Chemotaxis of Normodense (N) and Hypodense (H) Eosinophils (E) Across Filters and Cells. *J. Allergy Clin. Immunol.*, 83:273, 1989.
38. Casale TB, Abbas M: Endothelial Cells Augment Leukotriene (LT)B₄-Induced Neutrophil Chemotaxis. *J. Allergy Clin. Immunol.*, 83:309, 1989.
39. Trapp S, Rittman BR, Rubright W, Casale TB: Mast Cell Subpopulations in Periodontal Disease. *J. Dent. Res.*, 68:332, 1989.
40. Casale TB, Ecklund P, Wood D: Lack of Association Between Human Lung Beta and Muscarinic Receptors and Subject Characteristics. *Am. Rev. Respir. Dis.*, 139:A600, 1989.
41. Little MM, Casale TB: Comparison of PAF-Induced Chemotaxis of Normodense and Hypodense Eosinophils (E). *Am. Rev. Respir. Dis.*, 139:A95, 1989.
42. Casale TB, Abbas MK: Degree of Platelet Activating Factor (PAF)-Induced Neutrophil Migration is Barrier Dependent. *Am. Rev. Respir. Dis.*, 139:A93, 1989.
43. Little MM, Casale TB: Increased Numbers of Hypodense Eosinophils (EOS) Correlate with Disease Activity in Episodic Angioedema with Eosinophilia (EAE). *Ann. Allergy*, 64: 87, 1990.
44. Little MM, Casale TB: PAF-Induced Chemotaxis of Eosinophils (E) Across an Endothelial Barrier. *J. Allergy Clin. Immunol.*, 85:281, 1990.
45. Casale TB, Carolan E: Degree of PAF-Induced Neutrophil Migration is Dependent Upon the Molecular Species. *J. Allergy Clin. Immunol.*, 85:187, 1990.

46. Sogn DD, Evans R III, Sheperd GM, Casale TB, et al.: Results of the NIAID Collaborative Clinical Trial to Test the Predictive Value of Skin Testing with Major and Minor Penicillin Derivatives in Hospitalized Adults. *J. Allergy Clin. Immunol.*, 85:191, 1990.
47. Schwartz DA, Hunninghake GW, Merchant JA, Casale TB: Bronchoalveolar Lavage (BAL) and Airway Histamine in Nonallergic Asthmatics. *Am. Rev. Respir. Dis.*, 141:A733, 1990.
48. Casale TB: Relationship Between Clinical and Demographic Features and Human Lung β and Muscarinic Receptors. *Am. Rev. Respir. Dis.*, 141:A146, 1990.
49. Casale TB, Abbas MK: Degree of Neutrophil Chemotaxis is Dependent Upon the Chemoattractant and Barrier. *Am. Rev. Respir. Dis.*, 141:A391, 1990.
50. Cavanah DK, Casale TB: Neutrophil Chemotactic Activity (NCA) Produced Spontaneously and After Anaphylaxis of Human Lung. *Am. Rev. Respir. Dis.*, 143:A38, 1991.
51. Casale TB, Carolan EJ, Erger RA: PAF-Induced Eosinophil and Neutrophil Migration is Dependent Upon Molecular Species. *Am. Rev. Respir. Dis.*, 143:A151, 1991.
52. Cavanah DK, Casale TB: Immediate Cutaneous Responses (ICR) to Anti-Cholinergics: Evidence for Muscarinic Receptor Subtype Participation. *J. Allergy Clin. Immunol.*, 87:222, 1991.
53. Cromar BW, Colvin M, Casale TB: Validity of Skin Tests (ST) to Cyclophosphamide (CP) and Metabolites. *J. Allergy Clin. Immunol.*, 87:229, 1991.
54. Casale TB, Carolan EJ: Nedocromil's Effect on Neutrophil Migration Through Cell and Noncell Barriers. *J. Allergy Clin. Immunol.*, 87:254, 1991.
55. Grossman J, Bernstein D, Casale T, Goldstein S, Schwartz H, Ball R, Shulan D, Osur S: A Multicenter Double-blind Placebo-Controlled Group Comparative Study of the Onset of Action of Nedocromil Sodium 1% Nasal Solution in the Treatment of Ragweed Seasonal Allergic Rhinitis. *Ann. Allergy*, 66:66, 1991.
56. Casale TB: Neuropeptides and Allergy. Presented at XVth European Congress of Allergology and Clinical Immunology in Paris, France, May 10, 1992.
57. Erger RA, Casale TB: Chemoattractant Differences in Eosinophilic Responses Through Endothelium. *J. Allergy Clin. Immunol.*, 89:161, 1992.
58. Donnelly A, Cavanah DK, Cromar BW, Reardon T, Scott C, Casale TB: Nedocromil Sodium 1% Nasal Solution Rapidly Relieves Ragweed Seasonal Allergic Rhinitis Symptoms. *J. Allergy Clin. Immunol.*, 89:301, 1992.
59. Carolan EJ, Casale TB: LTB₄-Induced Neutrophil Transendothelial Migration is Inhibited by an Antibody to CD-15 on Neutrophils. *J. Allergy Clin. Immunol.*, 89:307, 1992.
60. Casale TB, Carolan EJ: Effects of Neuropeptides on Neutrophil Migration Through Noncellular and Endothelial Barriers. *Am. Rev. Respir. Dis.*, 145:A681, 1992.

61. Casale TB, Sahl B: The Acute Effects of Mast Cell Degranulation on Human Lung Muscarinic Receptor System. *Am. Rev. Respir. Dis.*, 145:A460, 1992.
62. Carolan EJ, Ballas ZK, Casale TB: Mediator-Stimulated Expression of CD62 on Endothelium. *J. Allergy Clin. Immunol.*, 91:177, 1993.
63. Smart SJ, Casale TB: Interleukin-8 (IL-8) Induces Neutrophil Migration Through Endothelial and Epithelial Barriers. *J. Allergy Clin. Immunol.*, 91:236, 1993.
64. Donnelly A, Glass M, Muller B, Smart S, Hutson J, Minkwitz MC, Casale TB: Leukotriene D4 (LTD4) Antagonist ICI 204, 219 Relieves Ragweed Allergic Rhinitis Symptoms. *J. Allergy Clin. Immunol.*, 91:259, 1993.
65. Erger RA, Casale TB: Interleukin-8 (IL-8) Induces Eosinophil Migration Through Endothelial and Epithelial Barriers. *J. Allergy Clin. Immunol.*, 91:312, 1993.
66. Sahl BL, Casale TB: Cytokine Profile From Anaphylaxis of Human Lung. *J. Allergy Clin. Immunol.*, 91:347, 1993.
67. Smart SJ, Casale TB: Endothelial and Pulmonary Epithelial Barriers Facilitate TNF- α -Induced Transcellular Neutrophil Migration. *Am. Rev. Respir. Dis.*, 147:A730, 1993.
68. Casale TB, Carolan E, Erger RA: GM-CSF Induces Eosinophil Transendothelial Migration across TNF- α -but not IL-1-Pretreated Endothelium. *Am. Rev. Respir. Dis.*, 147:A242, 1993.
69. Bittleman DB, Stapleton J, Casale TB: Successful Desensitization to Itraconazole. *Ann. Allergy*, 72:76, 1994.
70. Bittleman DB, Casale TB: Both +5 and -5 Hydroxyeicosatetraenoic Acid (HETE) are Potent Stimulators of Human Neutrophil Migration through Endothelial and Epithelial Barriers. *J. Allergy Clin. Immunol.*, 93:194, 1994.
71. Donnelly AL, Casale TB, Bernstein DJ, Goldstein S, Grossman J, Schwartz HJ: Nedocromil Sodium 1% Nasal Solution Reduces Symptoms of Ragweed Seasonal Allergic Rhinitis within 24 Hours. *J. Allergy Clin. Immunol.*, 93:272, 1994.
72. Smart SJ, Casale TB: Endothelial Cells Enhance TNF α -Induced Neutrophil Migration by Producing IL8. *J. Allergy Clin. Immunol.*, 93:287, 1994.
73. Erger RA, Casale TB: GM-CSF-Induced Transcellular Migration Is Specific for Eosinophils and Endothelium and Requires TNF α - Pretreatment. *J. Allergy Clin. Immunol.*, 93:287, 1994.
74. Bittleman DB, Erger RA, Casale TB: Mechanisms in Selective Neutrophil and Eosinophil Accumulation. *Am. J. Respir. Crit. Care Med.*, 149:A116, 1994.
75. Smart SJ, Casale TB: Pulmonary Epithelial-Derived IL-8 Facilitates TNF α -Induced Transcellular Neutrophil Migration. *Am. J. Respir. Crit. Care Med.*, 149:A516, 1994.
76. Carolan EJ, Casale TB: Chemoattractant-Induced Neutrophil Migration Is Modulated by Lung Epithelial Cells. *Am. J. Respir. Crit. Care Med.*, 149:A516, 1994.

77. Bittleman DB, Casale TB: Interleukin-1 α Induces Potent and Distinct Signals for Neutrophil Transendothelial and Transepithelial Migration. *Am. J. Respir. Crit. Care Med.*, 149:A231, 1994.
78. Grubbe R, Adelglass J, Casale TB, Cohen R, Jacobson K, Klaustermeyer W, Pleskow W, Southern D, Webb D, Lim J, McNally O: Triamcinolone Acetonide Nasal Inhaler vs. Beclomethasone Dipropionate Nasal Spray in Patients with Perennial Allergic Rhinitis. *Ann Allergy*, 74:52, 1995.
79. Casale TB, AAAI BAL Committee: Safety of Bronchoscopy and Bronchoalveolar Lavage (BAL) in Asthmatics. *J. Allergy Clin. Immunol.* 95:279, 1995.
80. Carolan EJ, Casale TB: Lung Epithelial Cells Modulate Neutrophil Migration. *J. Allergy Clin. Immunol.* 95:378, 1995.
81. Costa JJ, Galli SJ, Casale TB: TNF α is Involved in Human Lung Allergic Reactions. *J. Allergy Clin. Immunol.* 95:377, 1995.
82. Casale TB, Rozell M, Erger R: Eosinophilotactic Responses are Dependent on Isolation Methodology. *Am. J. Respir. Crit. Care Med.*, 151:A219, 1995.
83. Casale TB: Acute Effects of Human Lung Anaphylaxis on β -Receptor System. *Am. J. Respir. Crit. Care Med.*, 151:A580, 1995.
84. Casale TB: TNF α is Involved in Human Lung Allergic Reactions. Presented at Joint Conference (Asthma '95 Theory to Treatment) Sponsored by the American Academy of Allergy & Immunology and the American Thoracic Society, Chicago, IL., July 16, 1995.
85. Casale TB, Bernstein IL, Busse WW, LaForce CF, Tinkelman DG, Stoltz RR, Dockhorn RJ, Adelman DC: Recombinant Human Monoclonal Anti-IgE Therapy in Allergic Rhinitis. *J. Allergy Clin. Immunol.* 97:199, 1996.
86. Casale TB, Chiplunkar R, Reed S, Collins M, Hoffman E: Methacholine-Induced Airway Constriction in Vivo Mimics in Vitro Cholinergic Innervation. *Am. J. Respir. Crit. Care Med.* 153:A877, 1996.
87. Peralta F, Casale TB: Polarity and Presence of Epithelium are Key to Endotoxin-Induced Neutrophil Migration. *Am. J. Respir. Crit. Care Med.* 153:A286, 1996.
88. Casale TB, Carolan EJ, Mower DA: Cytokine-Induced Neutrophil Transepithelial Migration is Dependent Upon Polarity of Epithelium. *Am. J. Respir. Crit. Care Med.* 153:A51, 1996.
89. Hartel R, Ford LB, Casale TB: Hemp Pollination is Associated With Positive Skin Tests and Respiratory Symptoms. *J. Allergy Clin. Immunol.* 99:S508, 1997.
90. Kessler R, Casale TB, Philip G: Ragweed Skin Test Responsivity Does Not Correlate With Total or Specific IgE Levels. *J. Allergy Clin. Immunol.* 99:S153, 1997.
91. Casale TB, Erger R: Interleukin-8 Plays a Significant Role in IgE-Mediated Lung Inflammation. *J. Allergy Clin. Immunol.* 99:S127, 1997.
92. Casale TB, Carolan EJ: The Sequential Migration of Neutrophils Through Endothelium and Epithelium: A New Model System. *Am. J. Respir. Crit. Care Med.* 155:A291, 1997.

93. Hoffman EA, Chiplunkar R, Casale TB: CT Scanning Confirms Beta Receptor Distribution is Greater for Smaller Versus Larger Airways. *Am. J. Respir. Crit. Care Med.* 155:A855, 1997.
94. Oren J, Lumry WR, Bukstein DA, Stricker WE, Vandewalker M, Korenblatt P, Silvagni AJ, Busse WW, Miller RE, Casale TB: Demonstration of Therapeutic Equivalence of Generic and Innovator Beclomethasone in Ragweed-Induced Allergic Rhinitis. *J. Allergy Clin. Immunol.* 101:S247, 1998.
95. Casale TB, Carolan EJ: Cytokine-Induced Sequential Migration of Neutrophils Through Endothelium and Epithelium. *J. Allergy Clin. Immunol.* 101:S172, 1998.
96. Casale TB, Kessler RJ, Clancy J, Dockhorn RJ, Koch P, Kellerman D, Rubin P.: Norastemizole Does Not Affect ECG Parameters. *J. Allergy Clin. Immunol.* 101:S245, 1998.
97. Casale TB, Carolan EJ: Combination of IL-8 Plus TNFalpha or IL-1 Induces Additive Neutrophil Migration. *Am. J. Respir. Crit. Care Med.*, 157:A603, 1998.
98. Fick RB, Simon SJ, Su JQ, Zeiger R, E25 Study Group: Anti-IgE (rhuMAb) Treatment of the Symptoms of Moderate-Severe Allergic Asthma. *Ann. Allergy Asthma Immunol.* 80:80, 1998.
99. Metzger WJ, Fick RB, the E25 Asthma Study Group: Corticosteroid (CS) Withdrawal in a Study of Recombinant Humanized Monoclonal Antibody to IgE (rhuMAbE25). *J. Allergy Clin. Immunol.* 101:S231, 1998.
100. Busse W, Biondi R, Casale T, Chervinsky P, Dockhorn R, Finn A, Kaiser H, Katlan M, LaForce C, Nayak A, Siegel C, Stricker W, Sullivan M, Winder J, Wu F, Drda K, Wood C: Randomized, Double-blind, Parallel, Placebo-Controlled Multi-Center Trial of Ipratropium Bromide Nasal Spray 0.06% in Patients With Seasonal Allergic Rhinitis. *Ann. Allergy Asthma Immunol.* 82:109, 1999.
101. Casale TB, Condemi J, Miller SD, Fick R, McAlary M, Fowler Taylor A, Gupta N, Rohane P.W.: rhuMAb-E25 In The Treatment Of Seasonal Allergic Rhinitis (SAR). *Ann. Allergy Asthma Immunol.* 82:75, 1999.
102. Meltzer E, Casale TB, Nathan R, Thompson A: Once-Daily Fexofenadine HCl Improves Quality Of Life And Work And Activity Impairment In Patients With Seasonal Allergic Rhinitis. *J. Allergy Clin. Immunol.* 103:S72, 1999.
103. Casale TB, Andrade C, Qu R, Mosier MC: Safety And Effectiveness Of Once-Daily Dosing Of Fexofenadine HCl In The Treatment of Seasonal Allergic Rhinitis. *J. Allergy Clin. Immunol.* 103:S253, 1999.
104. Casale TB, Condemi J, Bernstein JA, Busse W, Nayak A, Fick R, Fowler-Taylor A, Gupta N, Rohane PW : Safety of Readministration of rhuMAb-E25 In Seasonal Allergic Rhinitis (SAR). *Ann. Allergy, Asthma, Immunol.* 84:125, 2000.
105. CasaleTB, Racine A, Sallas W, Fowler Taylor A, Gupta N, Rohane PW: Relationship Between the Clinical Efficacy of rhuMAb-E25 (E25) and Serum Free IgE in Seasonal Allergic Rhinitis. *J Allergy Clin Immunol.* 104:S357,2000.

106. Stricker WE, Casale TB, Nelson HS, Raff H, Fourre JA, Li G, Newman KB: Salivary Cortisol: A Novel Approach to Determining Cortisol Suppression to Inhaled Steroids. *Am J Resp Crit Care Med.* 161: A776, 2000.
107. Casale TB, Nelson HS, Stricker W, Fourre JA, Newman KB: Dose Response of the Effect of Inhaled Fluticasone and Flunisolide on Endogenous Cortisol Secretion. *Am J Resp Crit Care Med.* 161: A776, 2000.
108. Casale TB, Condemi J, LaForce C, McAlary M, Gupta N, Fick R, Rohane P: rhuMAb-E25 (E25) Provides Dose-Dependent Improvement of Symptoms in Patients with Seasonal Allergic Rhinitis. *Allergy & Clinical Immunology International Supplement 2*, W-150. 2000.
109. Casale TB, Nelson HS, Stricker W, Fourre JA, Newman KB. Statistical Evaluation of Various Methods of Detecting HPA Axis Suppression in Asthma Patients Treated with Inhaled Corticosteroids. *Chest* 118:84S, 2000.
110. Casale TB, Nelson HS, Stricker W, Fourre JA, Newman KB. Unremitting Pattern of Diurnal Cortisol Suppression with Inhaled Fluticasone Propionate Compared with a Remitting Pattern of Suppression with Flunisolide in Patients with Asthma. *Chest*, 118:85S, 2000.
111. Casale TB. Safety of anti-IgE monoclonal antibody rhuMAb-E25 (E25) in treatment of children with allergic asthma. *Allergy & Clinical Immunology International Supplement 2*, P-409, 2000.
112. Busse W, Nayak A, Chervinsky P, Casale TB, Tripathy I, Bernstein J, Condemi J, Fowler-Taylor A, Shen H, Hedgecock S, Fox H, Everhard F: Omalizumab (Xolair) Improved Perennial Allergic Rhinitis in Patients Who Were Previously Unresponsive to Treatment with Nasal Steroids or Immunotherapy. *J Allergy Clin Immunol.* 107(5); 932, 2001.
113. Romero FA, Milgrom H, Townley RG, Silkoff PE, Tran Z, Gupta N, Rohane P, Fick R, Casale TB: Omalizumab (rhuMAb-E25) compared to placebo, on exhaled Nitric Oxide (ENO) in children with allergic asthma requiring daily treatment with inhaled corticosteroid. Poster Presentation at the Third Triennial World Asthma Meeting, Chicago, IL July 13-15, 2001; Abstract Book p.26.
114. Baki H, Romero FA, Sueiro RA, Hopp RJ, Casale TB, Townley RG: Orally exhaled nitric oxide may be affected by diet. Poster Presentation, Third Triennial World Asthma Meeting, Chicago, IL July 13-15, 2001; Abstract Book, p. 49.
115. Casale TB, Chervinsky P, Busse W, Nayak A, Tripathy I, Fowler-Taylor A, Gupta N, Shen H: Omalizumab (Xolair®) in the Treatment of Perennial Allergic Rhinitis. Presented at the European Respiratory Society Meeting, Berlin, Germany September 22-26, 2001.
116. Edwan J, Chavez J, Hatcher L, Talmadge J, Casale TB, Agrawal D: Therapeutic Resolution of Late Allergic Response and Airway Hyperresponsiveness by Flt-3 Ligand in a Mouse Model of Allergic Inflammation. *J Allergy Clin Immunol.* 109(1);S365, 2002.
117. Casale TB, Busse W, Lizambri R, et al: Results of a Phase II, Multiple-Dose, Randomized Trial of An Anti-CD23 Monoclonal Antibody (IDEC-152) in Patients With Seasonal Allergic Rhinitis. *J Allergy Clin Immunol.* 2003; 111(2);S75.

118. Griffith DT, Boesel KM, Prussin C, Foster B, Lin H, Casale TB: Dendritic Cell Fc ϵ R1 Expression is Rapidly Down-Regulated With Omalizumab. *J Allergy Clin Immunol*, 2003; 111(2);S264.
119. Lin H, Romero FA, Boesel KM, Griffith DT, Casale TB: Omalizumab Rapidly Inhibits Nasal Allergic Responses. *J Allergy Clin Immunol*, 2003; 111(2);S347.
120. Boesel KM, Griffith DT, Prussin C, Foster B, Lin H, Casale TB: Rapid Reduction of Basophil Fc ϵ R1 Expression by Omalizumab. *J Allergy Clin Immunol*, 2003; 111 (2); S264.
121. Lin H, Townley R, Bewtra A, Casale TB: Successful Itraconazole Desensitization in a Patient with Systemic Allergic Reaction and Positive Skin Test. *Annals of Allergy, Asthma & Immunology*, 2004, 92; P149.
122. Foster B, Griffith DT, Boesel KM, Lin H, Casale TB, Metcalfe DD, Prussin C: Dendritic Cell Expression of Fc ϵ R1 is Regulated by Serum IgE. *J Allergy Clin Immunol* 2004, 113(2);S894.
123. Casale TB, Kline JN, Busse WW, Ballas ZK, Mokhtarani M, Seyfert-Margolis V, Bateman K, Moss MH, Townley RG: Omalizumab Pretreatment Prevents Allergic Reactions Due to Rush Immunotherapy (RIT). *J Allergy Clin Immunol* 2005; 115(2):S65.
124. Corren J, Casale TB, Lanier BQ, Blogg M, Reisner C, Gupta N: Omalizumab Is Well Tolerated In Adolescent/Adult Patients (\geq 12 Years) with Moderate-to-Severe Persistent Asthma. *J Allergy Clin Immunol* 2005; 115(2):S75.
125. Busse WW, Casale TB, Dykewicz MS, Meltzer EDO, Bird SR, Hustand CM, Zeldin RK: Efficacy of Montelukast During Allergy Season in Patients With Chronic Asthma And Seasonal Aeroallergen Sensitivity. *J Allergy Clin Immunol* 2005; 115(2):S150.
126. Kline JN, Casale TB, Busse WW, Ballas ZK, Mokhtarani M, Bromstead C, Seyfert-Margolis V, Asare A, Bateman K, Moss MH, Townley RG: Omalizumab Plus Rush Immunotherapy (RIT) Is More Effective Than RIT Alone in Preventing Ragweed-Induced Seasonal Allergic Rhinitis (SAR) Symptoms. *J Allergy Clin Immunol* 2005; 115(2): S207.
127. Bateman E, Karpel J, Casale TB, Craig T, Wenzel S, Fish J, Kundu S, Banerji D: Ciclesonide Reduces Oral Corticosteroid Use in Adults with Severe, Persistent Asthma While Maintaining Asthma Control. *Proc Am Thoracic Soc* 2005;2:A355.
128. Morrow L, Casale TB: Predictors of Death Among Patients with Ventilator-Associated Pneumonia: An Analysis of the Assessment of Local Microbial Resistance Measures (ALARM) Study Data. *Chest* 2005
129. Klunker S, Francis JN, Casale TB, Durham SR: Anti-IgE Therapy Inhibits IgE-Facilitated Allergen Presentation and Increases the Efficacy of Ragweed Immunotherapy. *JACI* 2006 117(2):S89.
130. Casale TB, Kessler J, Romero FA: Safety of Intranasal Toll-4 Receptor Agonist CRX-675 in Allergic Rhinitics. *Proceedings of the American Thoracic Society* 2006; 3:A574.
131. Casale TB, Romero FA, Mahon L, Bewtra A, Stokes J, Hopp R: Intranasal, Non-Inhaled CO $_2$ Provides Rapid Relief of Seasonal Allergic Rhinitis. *JACI* 2006;117 (2):S261.

132. Seyfert-Margolis V, Casale TB, Asare A, Wang RS: Cytokine and Chemokine Gene Expression Monitoring In A Ragweed Allergy Clinical Trial With Omalizumab Pre-Treatment. *JACI* 2006; 117(2):S263.
133. Romero FA, Waggoner DL, Chiang DT, Clark J, Hopp R, Townley R, Casale TB: Relationship Between Physician Diagnosed Asthma, eNO, and Measures of Airway Hyperresponsiveness. *JACI* 2006; 117(2):S2.
134. Parks KW, Hassaballa AE, Anderson DK, Hu Q, Casale TB, Swanson P: Transgenic Mice Expressing Catalytically Inactive RAG-1 Exhibit Hypogammaglobulinemia and Altered B Cell Development, but Not Autoreactivity. *JACI* 2006; 117(2):S100.
135. Jia S, Zhang X, Wang Z, Casale TB: Expression of the Novel ER- α 36 Variant of Estrogen Receptors in Murine Lung: Effects of Antigen Sensitization. *J All Clin Immunol* 2007; 119(1):S300.
136. Berro A, Sugiura H, Liu X, Duan F, Kawasaki S, Togo S, Kamio K, Wang XQ, Mao L, Ahn Y, Ertl RF, Casale TB: Airway Fibroblasts Isolated from Mouse Model of Allergic Asthma Display Distinct Cellular and Phenotypic Characteristics as Compared to Normal Fibroblasts. *J All Clin Immunol* 2007; 119(1):S301.
137. Romero FA, Mehta V, Berro A, Stokes J, Casale TB: The Effects of Mometasone DPI on Airway Hyperresponsiveness and Markers of Airway Inflammation. *J All Clin Immunol* 2007;119(1):S5.
138. Hussain I, Sayre P, Romero F, Busse WW, Kline J, Casale TB: Safety and Tolerability of Repeated Nasal Allergen Challenges. *J All Clin Immunol* 2007;119(1):S62.
139. Bernstein DI, Segall N, Nayak A, Casale TB, Korenblatt P, Martins E: Safety and Efficacy of the Novel Vaccine TOLAMBA in Ragweed Allergic Adults, A Dose Finding Study. *J All Clin Immunol* 2007;119(1):S78.
140. Waggoner D, Stokes J, Romero F, Casale TB: Dyspnea and Obesity in African-American Females. *J All Clin Immunol* 2007;119(1):S208.
141. Jones DH, Romero F, Casale TB: Time-Dependent Inhibition of Histamine-Induced Cutaneous Responses by Oral Fexofenadine and Oral and Intramuscular Diphenhydramine. *Ann Allergy Asth & Immunol* 2007;98(1, S1):A26.
142. Seyfert-Margolis VL, Asare AL, Bourcier K, Wang R, Gao Z, Casale TB: Transcriptome Seasonal Regulation in Ragweed Allergy. *J Allergy Clin Immunol* 2007;119: 526.
143. Segal M, Berro A, Jia S, Casale TB: Estrogen exerts protective effects in a murine model of asthma. (abstract) Poster presentation, World Allergy Congress, Bangkok, Dec. 2007.
144. Coffman R, Casale TB, Charous L, Martins E: Wheal and Erythema to Ragweed Extract are Distinct Predictors of Symptom Scores in Ragweed Allergic Patients. *Ann Allergy Asthma Immunol* (submitted to *Ann Allergy Asthma Immunol*)
145. Korenblatt P, Casale TB, Meltzer E, Bhatnagar A: Intranasal CO₂ for the treatment of perennial allergic rhinitis (submitted to *Ann Allergy Asthma Immunol*).

146. Gendapodi P, Leung F, Jesse M, McChesney A, Crockett D, Romero FA, Casale TB, Townley RG: Effect of Allergen and Anti-IgE on Histamine and Leukotriene Release from Basophils. *J Allergy Clin Immunol* 2008;121(2):S114.
147. Berro A, Boyer C, Anderson D, Kawasaki S, Perry G, Swanson P, Rennard S, Casale TB: Effects of Prenatal Smoke and Nicotine Exposure on Airway Responsiveness and Inflammation in a Murine Model of Allergic Asthma. *J Allergy Clin Immunol* 2008;121(2):S235.
148. Segal M, Jia S, Gendapodi P, Berro, A., Casale, TB: The Effects of Estradiol on IL-13-Induced Airway Hyperresponsiveness in a Mouse Model. *J Allergy Clin Immunol* 2008;121(2):S258.
149. Jia S, He DZ, Wang Z, Casale TB: Regulation of Ciliary Beat Frequency by 17 β -Estradiol in Mouse Bronchus Epithelia. *J Allergy Clin Immunol* 2008;121(2):S260.
150. Romero FA, Phillips PG, Norris V, Turner K, Hutchinson K, Allan RJ, Tan EF, Misfeldt J, Ward JK, Casale TB: Establishment of a Model to Objectively Examine Maximal Nasal Decongestion Using a Clinically Available Antihistamine/Decongestant. *J Allergy Clin Immunol* 2008;121(2):S277.
151. Dimov V, Casale TB: Utility of Google Trends to Structure Patients Related Education Initiatives. American College of Allergy, Asthma and Immunology (ACAAI) 2008 Annual Meeting. *Annals of Allergy, Asthma & Immunology* 2009; 102(1, S1): A104.
152. Dimov V, Casale TB: Anti-TNF Therapy for Incomplete SAPHO Syndrome (Synovitis-Acne-Pustulosis-Hyperostis Osteitis). American College of Allergy, Asthma & Immunology (ACAAI) 2008 Annual Meeting. *Annals of Allergy, Asthma & Immunology*, 2009; 102(1S1): A62.
153. Dimov V, Auron M, Casale TB: An online case-based curriculum for allergy and immunology education: Creation process and results. Annual Research ShowCASE, Case Western Reserve University, Cleveland, OH April 16-17, 2009.
154. Dimov V, Auron M, Casale TB: The utility of a weblog to stay current with the new developments in allergy and immunology at a fellowship training program. Annual Research ShowCASE, Case Western Reserve University, Cleveland, OH April 16-17, 2009.
155. Auron M, Dimov V, Casale TB: The utility of microblogging service for Journal Club in allergy and immunology. Annual Research ShowCASE, Case Western Reserve University, Cleveland OH, April 16-17, 2009.
156. Dimov V, Randhawa S, Auron M, Casale TB: Photo sharing web service for education of fellows in training on recognition of pollen-producing plants in a specific geographic region. Annual Research Show CASE, Case Western Reserve University, Cleveland, OH April 16-17, 2009.
157. Dimov V, Randhawa S, Auron M, Casale TB. An Online Case-based Curriculum for Allergy and Immunology Education: Organization and Results. American College of Allergy, Asthma & Immunology (ACAAI) 2009 Annual Meeting. *Annals of Allergy, Asthma & Immunology* 2009;103(11):P312. Annual ShowCASE, Case Western Reserve University, Cleveland, OH April 16-17, 2009.

158. Dimov V, Randhawa S, Auron M, Casale TB. Digital Image Sharing Web Service for Recognition of Pollen-producing Plants in a Specific Geographic Region. American College of Allergy, Asthma & Immunology (ACAAI) 2009 Annual Meeting. *Annals of Allergy, Asthma & Immunology* 2009; 103(11):P22.
159. Dimov V, Randhawa S, Auron M, Casale TB. The Utility of a Real-time Microblogging Service for Journal Club in Allergy and Immunology. American College of Allergy, Asthma & Immunology (ACAAI) 2009 Annual Meeting. *Annals of Allergy, Asthma & Immunology* 2009; 103(11): P311.
160. Dimov V, Parks K, Stokes J, Casale TB. The Utility of an Online Social Network Service for Professional Collaboration and Education in Allergy and Immunology. American College of Allergy, Asthma & Immunology (ACAAI) 2009 Annual Meeting. *Annals of Allergy, Asthma & Immunology* 2009; 103(11):P310.
161. Dimov V, Sandhu M, Casale TB: North-south gradient in online search volumes for allergy-related queries in the United States may suggest a potential role in vitamin D. *J Allergy Clin Immunol* 2010; 126(2): AB115 (454)
162. Randhawa S, Dimov V, Casillas A, Casale TB: Decreasing general public awareness of asthma suggested by worldwide and regional search engine data. *J Allergy Clin Immunol* 2010; 126(2): AB137 (540)
163. Sandhu MS, Dimov V, Romero R, Wichman T, Casale TB: Effects of rosiglitazone on airway hyperresponsiveness and obstruction in asthma. *J Allergy Clin Immunol* 2010; 126(2): AB66 (259)
164. Agrawal DK, Pankajakshan D, Youssef DS, Gallagher JC, Casale TB: Vitamin D decreases the expression of importin alpha-3 (KPNA3) in human white blood cells. *J Allergy Clin Immunol* 2010; AB54 (218)
165. Romero FA, Allan RJ, Phillips P, Hutchinson K, Misfeldt JM, Casale TB: The effects of an H₃ receptor antagonists in a nasal allergen challenge model. *J Allergy Clin Immunol* 2010; AB191 (751)
166. Berro AI, Cleland JL, Casale TB: Safety and efficacy of the novel anti-IgE molecule BFPT-2603 in a monkey model of allergic asthma. *J Allergy Clin Immunol* 2010; AB201 (787)
167. Casale, TB, Onder R, Berkowitz R, Yen K, Bhatnagar A, Korenblatt P: Nasal no-inhaled carbon dioxide for as-needed treatment of rhinitis. *Allergy* 2010;65(92): 35(77).
168. Darter AL, Nayak AS, Casale TB, Wall GM: Quality of life and global assessments in 6 to 11 year old pediatric patients taking olopatadine hydrochloride nasal spray 0.6% for the treatment of seasonal allergic rhinitis. *Annals Allergy Asthma Immunol* 2010;103(5S3): A135 (P344).
169. Cox L, Casale TB, Nayak A, Bernstein D, et al: Efficacy and safety fo sublingual 300R 5-grass pollen tablets in adults patients with grass-pollen rhinoconjunctivitis in United States. *J Allergy Clin Immunol* 2011; 127(2): AB74.

170. Berro AI, Jia S, Casale TB: Cigarette smoke extract exposure up-regulates the expression of RhoA pathway in murine atopy. *J Allergy Clin Immunol* 2011; 127(2):AB215.
171. Nguyen TH, Xie Y, Berro AI, Casale TB: Relationship of Airway Hyperresponsiveness (AHR) and RGS2 Expression in Asthma *J Allergy Clin Immunol* 2011; 127(2): AB55.
172. Lewis E, Fernandez C, Nella AA, Hopp R, Casale TB, Gallagher C: Relationship of Vitamin D and Asthma in Children. *J Allergy Clin Immunol* 2011; 127(2): AB262
173. Cox L, Casale TB, Nayak A, Bernstein D, Creticos P, et al: Efficacy of 3001R 5-grass pollen allergen sublingual immunotherapy (SLIT) tablets: subgroup analysis by baseline timothy-specific IgE. *Ann Allergy Asth Immunol* 2011; 107(5, S1):A105.
174. Cox L, Casale TB, Nayak A, Creticos P, Montagut A, Zeldin RK: A US study of 5-grass pollen allergen extract in adults with grass pollen-induced allergic rhinoconjunctivitis – results of secondary efficacy assessments. Poster session 2210, AAAAI 2012 Annual Meeting, *J Allergy Clin Immunol* 2012; 129(2):AB46 (176).
174. Demoly P, Cox L, Casale TB, Moingeon P, Calderon MA: Multiple-allergen and single allergen immunotherapy strategies in polysensitized patients: looking at the published evidence. Poster presentation 4210, AAAAI 2012 Annual Meeting, *J Allergy Clin Immunol* 2012;129(2): AB194 (732).
175. Jonsson-Razdan P, Stokes J, Turner PD, Walters R, Busse WW, Kline JN, Ballas ZK, Casale TB: Relationship between ragweed specific IgE and acute allergic events during ragweed rush immunotherapy. Poster Presentation 4210, AAAAI 2012 Annual Meeting, *J Allergy Clin Immunol* 2012; 129(2): AB195 (737)
176. Cox L, Casale TB, Creticos P, Ambroisine L, Le Gall M, Melac M, Zeldin R: Clinical efficacy of 3001R 5-grass pollen sublingual tablet by baseline timothy-specific serum IgE in a US study. Abstract 1101, Poster Session 47 – Improving Immunotherapy: Results from Clinical Trials, EAACI Annual Meeting, Geneva, June 16-20, 2012.
177. Cox L, Casale TB, Ambroisine L, Chaubourt E, Melac M, Zeldin R: Relationship between disease severity and efficacy of 3001R 5-grass pollen sublingual tablets in a US study. Abstract 72, Oral abstract session 12; Clinical Aspects of Allergen Immunotherapy. EAACI Annual Meeting, Geneva, June 16-20, 2012.
178. DelasAlas H, Zhu N, Tu Y, Casale TB: Relationship of airway hyperresponsiveness and RGS2 expression in smokers. Poster session 2204; AAAA&I 2013 *J Allergy Clin Immunol* 131(2):AB242.
179. Casale TB, Pace W, Schatz M, Walters R, Turner P: Baseline characteristics of patients with refractory chronic idiopathic/spontaneous urticaria (CIU/CSU) enrolled in a phase III randomized placebo-controlled trial of omalizumab. Poster session 2207; AAAA&I 2013 Annual Meeting *J Allergy Clin Immunol* 131(2): AB247.

180. Casale TB: Comparison of characteristics of asthma patients seeking care from specialists versus primary care physicians. Poster session 2208; AAAA&I 2013 Annual Meeting J Allergy Clin Immunol 131(2):123.
181. Casale TB, Pace W, Walter R, Turner P, Elward KS: Characteristics of asthma visits to specialists compared to primary care physicians. Poster session 2208; AAAA&I Annual Meeting J Allergy Clin Immunol 131(2):AB247.
182. Berra A, Zhu Z, Stokes C, Tu Y, Casale TB: Effect of cigarette smoke exposure on RGS2 expression and airway hyperresponsiveness. Poster session 2607; AAAA&I Annual Meeting 2013 J Allergy Clin Immunol 131(2):AB253.
183. Casale T, Elward K, Pace W, Turner P, Walters R, Schatz M: Characteristics of asthma patients seeking specialist care. Poster session 3208; AAAA&I Annual Meeting J Allergy Clin Immunol 131(2): AB263.
184. Casale TB: Efficacy and safety of omalizumab in chronic idiopathic/spontaneous urticaria (CIU/SCU) : results from a phase III randomized , double-blind, placebo-controlled trial. Poster session 4611; AAAA&I Annual Meeting 2013 J Allergy Clin Immunol 131(2): L3
185. Casale, TB. Tiotropium Respimat® Add-On Therapy Reduces Airflow Obstruction In Patients With Symptomatic Moderate Asthma, Independent Of TH 2 Inflammatory Status. Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
186. Maloney, J. Bernstein,D. Hébert, J. White,M. Fisher, M. Casale, T. Kaur, A. Nolte, H. The Efficacy and Safety Of The Short Ragweed Sublingual Immunotherapy Tablet MK-3641 Is Similar In Asthmatic and Nonasthmatic Subjects Treated For Allergic Rhinitis With/Without Conjunctivitis (AR/C). Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
187. Bernstein, JA. Saini, SS. Maurer, M. Hsieh, H. Chen, H. Canvin, J. Casale, TB. Kaplan, A. Rosen, K. Efficacy Of Omalizumab In Patients With Chronic Idiopathic/Spontaneous Urticaria With Different Background Therapy: Post Hoc Analysis Of Asteria I, Asteria II, and Glacial Studies. Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
188. Stevens, M. Stokes, JR. Walters, R. Schatz, M. Casale, TB. Rates Of Comorbidities Are Related To Level Of Asthma Control. Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
189. Stokes, J. Stevens, M. Walters, R. Schatz, M. Casale, TB. Rates Of Co-Morbidities Are Related To Asthma Severity. Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
190. Cruz, C. Casale, TB. Oldenburg, P. Alcohol Exposure and Airway Hyperresponsiveness. Presented at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.

191. Casale TB. Efficacy Of The TLR-9 Agonist, CYT003, In Patients With Moderate To Severe Allergic Asthma: A Randomised, Phase IIb, Double-Blind, Placebo-Controlled Study. Presented at the American Thoracic Society annual meeting. May, 2014. San Diego.
192. Dahl R., Bateman E.D., Casale T., Pizzichini E., Vandewalker M., Virchow J.C., Engel M., Sigmund R., Moroni-Zentgraf P., Kerstjens H.A.M. Once-daily tiotropium Respimat® as add-on to at least medium- to high-dose ICS, with or without LABA, improves lung function in patients with symptomatic asthma, independent of allergic status. Presented at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
193. Maurer M., Bernstein J.A., Saini S.S., Hsieh H.-J., Chen H., Canvin J., Casale T., Kaplan A., Rosén K. Efficacy of omalizumab 300mg with different background therapy in chronic idiopathic/spontaneous urticaria: ASTERIA I, ASTERIA II, and GLACIAL studies post hoc analysis. Presented at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
194. Rosén K., Bradley M.S., Ashby M., Hsieh H.-J., Georgiou P., Casale T., Maurer M. Omalizumab phase III trials: medication history and baseline characteristics of patients with refractory chronic idiopathic/spontaneous urticarial. Presented at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
195. Casale T., Maurer M., Saini S.S., Bernstein J.A., Kaplan A., Rosén K.6, Li J., Georgiou P., Canvin J. Omalizumab reduced symptoms and improved health-related quality of life (HRQoL) in patients with refractory chronic spontaneous/idiopathic urticaria (CSU/CIU) in three randomized, double-blind, placebo-controlled phase III trials: a post-hoc analysis of percent change from baseline. Presented at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
196. Casale T, Carr WW, Greos L, Engel M, Bour LJ, Moroni-Zentgraf P, Kerstjens HA. 24-hour lung function response to tiotropium respimat add-on to maintenance therapy in symptomatic patients with moderate persistent asthma. Presented at the American College of Allergy Asthma and Immunology. November, 2014. Atlanta, GA.
197. Tabatabaian, Farnaz et al. Effects of Cigarette Smoke Extract and Nicotine on Regulator of G Protein Signaling-2 Expression in Human Airway Smooth Muscle and Bronchial Epithelial Cells *Journal of Allergy and Clinical Immunology* , Volume 135 , Issue 2 , AB227, 2015.
198. Maloney, Jennifer et al. Epinephrine Use in Clinical Trials of Sublingual Immunotherapy Tablets for Treatment of Allergic Rhinitis with/without Conjunctivitis *Journal of Allergy and Clinical Immunology* , Volume 135 , Issue 2 , AB281200. 2015.
199. T.B. Casale, A.T. Luskin, W. Busse, R.S. Zeiger , B. Trzaskoma , T.A. Omachi , H. Pazwash , B.E. Chipps.. Baseline Characteristics Of Patients Enrolled In The Prospective Observational Study To Evaluate Predictors Of Clinical Effectiveness In Response To Omalizumab (PROSPERO) STUDY Presented at the American College of Allergy Asthma and Immunology. November, 2015. Atlanta, GA.

200. Casale, Thomas B. et al. Estimated Asthma Exacerbation Reduction from Omalizumab in an Severe Eosinophilic Asthma Population. *Journal of Allergy and Clinical Immunology* , Volume 135 , Issue 2 , AB. 2015
201. Bradley E. Chipps, William W. Busse, Allan T. Luskin, MD, Robert S. Zeiger, Benjamin Trzaskoma, Hooman Pazwash, Theodore A. Omachi, and Thomas B. Casale, Biomarkers Associated with Response in Patients Initiating Omalizumab: Baseline Levels Among Patients in the Prospective Observational Study to Evaluate Predictors of Clinical Effectiveness in Response to Omalizumab. *Journal of Allergy and Clinical Immunology* , Volume 137 , Issue 2 , AB. 2016.
202. Mark L. Vandewalker, Johann Christian Virchow, Thomas B. Casale, Michael Engel, Petra Moroni-Zentgraf, Reinhold Luhmann, Ronald Dahl. Once-Daily Tiotropium Respimat® Add-on to at Least Ics Maintenance Therapy Demonstrates Improved Asthma Control in Patients with Symptomatic Asthma, Independent of Serum IgE or Blood Eosinophil Levels. *Journal of Allergy and Clinical Immunology* , Volume 137 , Issue 2 , AB. 2016.
203. Thomas B. Casale, Donald P. Tashkin, Reinhold Luhmann, Michael Engel, Petra Moroni-Zentgraf Tiotropium Respimat® Add-on to at Least Ics Therapy Demonstrates Reduced Risk of Severe Asthma Exacerbation and Asthma Worsening in Symptomatic Asthma, Independent of IgE or Blood Eosinophil Levels. *Journal of Allergy and Clinical Immunology* , Volume 137 , Issue 2 , AB. 2016.
204. Peter S. Creticos, David I. Bernstein, Thomas B. Casale, Richard F. Lockey, Hendrik Nolte, Co-Seasonal Initiation of Allergen Immunotherapy: A Systematic Review *Journal of Allergy and Clinical Immunology* , Volume 137 , Issue 2 , AB. 2016.
205. Hanania NA, Rosén K, Griffin NM, Trzaskoma BL, Haselkorn T, Chipps BE, Casale TB. Response to Omalizumab Observed Over Wide Range of Blood Eosinophil Levels. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB15.
206. Kim DW, Kim D-K, Kong IG, Eun KM, Casale TB, Cho SH. Age-Related Increase Of IL-33 In Non-Eosinophilic Nasal Polyps. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB67.
207. Cho SH, Jo A, Casale TB, Luu H, Kumar R, Smith LJ. Soy Isoflavones Improve Poor Asthma Control in Asthmatics with High PAI-1 Producing Genotypes. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB400.
208. Casale TB, Gonzalez-Reyes EG, Yang M, Trzaskoma BL, Griffin NM, Chipps BE. Impact of Baseline IgE levels on Exacerbations and Asthma Symptom Control After Omalizumab Initiation. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB195.
209. Pepper AN, Bulkhi AA, Smith CR, Colli M, Zuberbier T, Casale TB. Effects Of Exposure To New Car Interiors On Patients With Asthma And Allergic Rhinitis. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB215.

210. Kaplan AP, Casale TB, Bernstein JA, Holden M, Iqbal A, Trzaskoma BL, Maurer M. The Urticaria Control Test as a Tool for Monitoring Chronic Idiopathic/Spontaneous Urticaria Treatment: Results From XTEND-CIU, a 48-Week, Randomized, Placebo-controlled Study. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB54.
211. Prescott K, Krantz K, Beyer K, Burks AW, Casale TB, Hourihane JO'B, Jones SM, Vereda A, et al. Exploration of Non-Daily Maintenance Dosing Regimens in Peanut Oral Immunotherapy. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB245.
212. Jones SM, Beyer K, Burks AW, Casale TB, Hourihane JO'B, Marcantonio A, Vereda A, Vickery BP, et al. Efficacy and Safety of AR101 in Peanut Allergy: Results from a Phase 3, Randomized, Double-Blind, Placebo-Controlled Trial (PALISADE). *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB400.
213. Casale TB, Murphy TR, Holden M, Le JA, Rajput Y, Trzaskoma BL, Bernstein JA. Impact Of Omalizumab On Patient Reported Outcomes In Chronic Idiopathic Urticaria: Results From XTEND-CIU, A 48-Week, Randomized, Placebo-Controlled Study. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB405.
214. Halpin DMG, FitzGerald JM, Engel M, Moroni-Zentgraf P, Sigmund R, Meltzer EO, Casale TB. Comparison of PEF vs. FEV1 Endpoints in Trials with Tiotropium in Adults and Adolescents with Moderate or Severe Symptomatic Asthma. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB211.
215. Jo A, Casale TB, Suh LA, Carter RG, Conley DB, Kern RC, Tan BK, Peters AT, et al. Mitochondrial Oxidative Stress Is Associated With Age-Related Glandular Remodeling And Nasal Polyp Formation. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB203.
216. Cardet JC, Busse PJ, Carroll JK, Casale TB, Coyne-Beasley T, Fagan M, Forth VE, Fuhlbrigge AL, et al. Adherence to Adding ICS to Rescue Therapy in a Pragmatic Trial with Adults with Asthma— a Pilot Study. *J Allergy Clinical Immunol*, February 2018, Vol. 141, Issue 2, AB209.
217. A. Burks, T. Casale, K. Beyer, L. DuToit, S. Jones, J. Hourihane, W. Shreffler, A. Marcantonio, et al. AGE-RELATED FINDINGS FROM THE PEANUT ALLERGY ORAL IMMUNOTHERAPY STUDY OF AR101 FOR DESENSITIZATION (PALISADE) STUDY. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S4, Published in issue: November 2018
218. B. Chipps, T. Casale, M. Yang, C. Holweg, T. Haselkorn, N. Griffin, N. Hanania. EFFECTS OF OMALIZUMAB ON MARKERS OF TYPE 2 INFLAMMATION: RESULTS FROM THE EXTRA STUDY. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S5–S6. Published in issue: November 2018
219. J. Corren, T. Casale, T. Haselkorn, M. Yang, A. Iqbal, B. Ortiz, W. Busse. EFFECT OF OMALIZUMAB ON SEASONAL EXACERBATIONS IN ADOLESCENTS AND ADULTS WITH MODERATE-TO-SEVERE ALLERGIC ASTHMA. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S6–S7. Published in issue: November 2018

220. C. Ciaccio, T. Casale, K. Rosen, T. Haselkorn, E. Zigmont, B. Chipps. ATTITUDES AMONG U.S.-BASED ALLERGISTS AND IMMUNOLOGISTS ABOUT IMMUNOTHERAPY, PEANUT EXPOSURE AND TREATMENT. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S30–S31. Published in issue: November 2018
221. E. Meltzer, T. Casale, A. Shaikh, L. Zaremba-Pechmann. ADD-ON TIOTROPIUM: CLINICAL IMPROVEMENT OF MODERATE ASTHMA REGARDLESS OF BASELINE IGE/EOSINOPHIL STATUS ACROSS AGE GROUPS. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S42. Published in issue: November 2018
222. L. Bacharier, T. Casale, M. Holden, Y. Rajput, J. Dang, Q. Li, O. Herrera-Restrepo, P. Bilir, et al. DIFFERENCES IN ELIGIBILITY CRITERIA AND BASELINE PATIENT CHARACTERISTICS AMONGST TRIALS OF BIOLOGIC THERAPIES IN ASTHMA. *Annals of Allergy, Asthma & Immunology*, Vol. 121, Issue 5, S45–S46. Published in issue: November 2018.
223. T B. Casale, Ahmar Iqbal, Joseph Dang, Ming Yang, Yamina Rajput. Reduced Asthma Exacerbations and Asthma-Related Healthcare Resource Use with Omalizumab from the Real-World PROSPERO Study. *Journal of Allergy and Clinical Immunology*, Vol. 143, Issue 2, AB99. Published in issue: February 2019.
224. S M. Nyenhuis, Esra Akkoyun, Michael Schatz, Thomas B. Casale. Characteristics of Patients and Providers Utilizing Asthma Action Plans in the AAAAI Asthma IQ Program. *Journal of Allergy and Clinical Immunology*, Vol. 143, Issue 2, AB225. Published in issue: February 2019
225. Kirk V. Shepard II, Adeeb A. Bulkhi, Thomas B. Casale, Juan Carlos Cardet. Elevated Testosterone is Associated with Decreased Likelihood of Current Asthma Regardless of Gender. *Journal of Allergy and Clinical Immunology*, Vol. 143, Issue 2, AB77. Published in issue: February 2019.
226. W. Soong, B. Yoo, H. Pazwash, C. Holweg, T. Casale. RESPONSE TO OMALIZUMAB IN ALLERGIC ASTHMA PATIENTS BY NUMBER AND TYPE OF ALLERGENS IN PROSPERO. *Annals of Allergy, Asthma & Immunology*, Vol. 123, Issue 5, S34, Published in issue: November 2019.
227. S Cho, A Jo, T Casale, R Lockey, R Kumar, L Smith. The role of the AMPK pathway in soy isoflavone-induced suppression of PAI-1 production in the airway. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB16.
228. W Busse, I Pavord, S Wenzel, E Bateman, T Casale, J. FitzGerald, M Rice, Y Deniz, et al. Baseline FeNO as a Prognostic Biomarker for Subsequent Severe Asthma Exacerbations in Patients With Uncontrolled, Moderate-to-Severe Asthma Receiving Placebo in the LIBERTY ASTHMA QUEST Study. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB21.

229. D Maselli, E Gonzalez, S Yancey, R Price, T Casale. Efficacy of Mepolizumab Stratified by Baseline Blood Eosinophil Count. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB25.
230. J Carlos Cardet, Z Wang, T Casale, S Comhair, S Hazen, J Lampe, D Mauger, B Phillips et al. The Human Gut Microbiomial Metabolite Enterolactone Associates With Better Asthma Control. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB12.
231. A Roach, C Warren, N Hong, R Gupta, T Casale. Awareness of Oral Immunotherapy (OIT) among a Nationally-Representative Sample of Food Allergy Patients/Caregivers is Critically Lacking. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB346.
232. B Lanser, S Leonard, N Griffin, A Vereda, A Smith, T Casale. Effect of Demographics and Baseline Clinical Characteristics on the Treatment Response to AR101: Results From PALISADE. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB138.
233. M Castro, J Maspero, L Sher, K Rabe, T Casale, M Rice, M Ruddy, P Rowe, et al. Dupilumab Reduces Oral Corticosteroid Use and Severe Exacerbations and Improves Lung Function in Patients With Oral Corticosteroid-Dependent Severe Asthma With and Without Comorbid Allergic Rhinitis in the Phase 3 LIBERTY ASTHMA VENTURE Study. *Journal of Allergy and Clinical Immunology*, 2020, Volume 145, Issue 2, AB173.
234. W. W. Carr, J. Corren, T. B. Casale, N. Daizadeh, A. H. Khan, S. Kamat, Y. Deniz, P. Rowe. Dupilumab Reduced Severe Exacerbations and Improved Lung Function in Patients with Uncontrolled, Moderate-to-Severe Asthma with an Eosinophilic Phenotype Across Baseline IgE Levels: LIBERTY ASTHMA QUEST Study. *Am J Respir Crit Care Med* 2020;201:A4262.
235. J. Corren , D. J. Jackson, T. B. Casale, N. Daizadeh, M. Djandji, T. O’Riordan, B. Ortiz, P. Rowe, Y. Deniz. Dupilumab Improved Pre-Bronchodilator FEV1 in Patients with Uncontrolled, Moderate-toSevere Allergic Asthma, Regardless of Presence of Perennial Aeroallergen-Specific IgE: LIBERTY ASTHMA QUEST Study. *Am J Respir Crit Care Med* 2020;201:A3021.
236. R Schuldt, S Gupta, Y Rajput, R Wang, A Bulson, T Casale. Characteristics Of Patients With Single Versus Multiple Food Allergies From The FARE Patient Registry. *ACAAI 2021 Annual Scientific Meeting*.
237. S Mathew, R Oriol, T Casale, J Wang. Food Allergic Reactions In U.S. Schools. *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB104Published in issue: February 2022.
238. K Guarnieri, N Saba, T Casale, M Rothenberg, S Andorf. Comparison of Food Allergy in Participants with and without Comorbid Eosinophilic Esophagitis from the Food Allergy Research & Education (FARE) Patient Registry. *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB206Published in issue: February 2022.

239. J C Cardet, D Kim, E Bleecker, T Casale, E Israel D Mauger, et al. Clinical and molecular implications of RGS2 promoter genetic variation in severe asthma. *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB231Published in issue: February 2022.
240. M Maurer, T Casale, S Saini, M Ben-Shoshan, N Amin, A Radin et al. Dupilumab Significantly Reduces Itch and Hives in Patients With Chronic Spontaneous Urticaria: Results From a Phase 3 Trial (LIBERTY-CSU CUPID Study A). *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB312Published in issue: February 2022.
241. J Corren, D Jackson, T Casale, L Borish, K Rabe, W Busse, et al. Dupilumab Efficacy in LIBERTY ASTHMA QUEST Patients With Uncontrolled, Moderate-to-Severe Asthma By Allergen Sensitization Status. *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB15Published in issue: February 2022.
242. B Vickery, G du Toit, A Ratnayake, K Blumchen, V Sharma, J Chapman, et al. Baseline Clinical and Immunologic Characteristics of Children Screened in the Peanut Oral Immunotherapy Study of Early Intervention for Desensitization (POSEIDON) Trial. *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB31Published in issue: February 2022.
243. J C Cardet, W Pace, J Carroll, A Fuhlbrigge, L She, F Rockhold, et al. Successfully Reducing Severe Asthma Exacerbations and Improving Asthma Control in a Pragmatic Study in African American/Black (AA/B) and Hispanic/Latinx (H/L) Patients with Moderate-Severe Asthma (PREPARE). *Journal of Allergy and Clinical Immunology* Vol. 149Issue 2SupplementAB313Published in issue: February 2022.
244. Baker et al. Continued Safety of Peanut (*Arachis hypogaea*) Allergen Powder-dnfp in Children and Teenagers With Peanut Allergy: Pooled Analysis From Controlled and Open-Label Phase 3 Trials. *Western Society of Allergy, Asthma, and Immunology (WSAAI)*, February 6 - 10, 2022.
- 245.

I. Special Invited Presentations

1. Casale, T.B.: "The Role of the Autonomic Nervous System in Allergic Diseases." Presented at the 11th Annual Clemens Von Pirquet Lecture Series "Mediators and Allergic Disease," held May 20, 1983 at the International Center for Interdisciplinary Studies of Immunology at Georgetown University, Washington, DC.
2. Casale, T.B.: "H1 and H2 Receptors in Various Tissues." Presented at the National Symposium on H1 and H2 Histamine Receptors, held December 7, 1983 at Brown University, Providence, RI.
3. Casale, T.B.: "Receptors and Physiology." Seminar presented at the 40th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Chicago, IL, March, 1984.

4. Casale, T.B.: "Adrenergic and Cholinergic Receptors and Atopy." Seminar presented at the 41st Annual Meeting of the American Academy of Allergy, Asthma and Immunology , New York, NY, March, 1985.
5. Casale, T.B.: Asthma: "Pathogenesis and Treatment." Presented at the Annual Meeting of the American Thoracic Society, Anaheim, CA, May, 1985.
6. Casale, T.B.: "Treatment of Patients with a History of Previous Adverse Allergic Reactions." Presented at Health Care Expo '85, Washington, DC., August, 1985.
7. Casale, T.B.: "Treatment of Nasal Disorders." Presented at University of Wisconsin Allergy and Immunology Update, Madison, WI, October, 1985.
8. Casale, T.B.: "Exercise-Induced Anaphylactic Syndromes." Internal Medicine Grand Rounds, University of Iowa, Iowa City, IA, January, 1986.
9. Casale, T.B.: "Bronchial Hyperreactivity: Neural Contributions." Symposium on Neural Regulation of the Airways in Health and Disease. Cancun, Mexico, February, 1986.
10. Casale, T.B.: "Adrenergic and Cholinergic Receptors and Atopy." Presented at the 42nd Annual Meeting of the American Academy of Allergy, Asthma and Immunology . New Orleans, LA, March, 1986.
11. Casale, T.B.: "Role of Cutaneous Mast Cells in Urticaria." Presented at the 42nd Annual Meeting of the American Academy of Allergy, Asthma and Immunology . New Orleans, LA, March, 1986.
12. Casale, T.B.: "Lung Beta and Muscarinic Receptors and Mast Cell Mediated Reactions." Internal Medicine Research Conference, University of Iowa, Iowa City, IA, October, 1986.
13. Casale, T.B.: "Neuromechanisms of Bronchial Hyperreactivity." Presented at University of Iowa CME meeting entitled, "Current Topics in Clinical and Pulmonary Immunology," Iowa City, IA, November 14, 1986.
14. Casale, T.B.: "Neuromechanisms of Bronchial Hyperreactivity." Presented at the 43rd Annual Meeting of the American Academy of Allergy, Asthma and Immunology . Washington, DC., February, 1987.
15. Casale, T.B.: "Exercise-Induced Anaphylaxis." Emergency Treatment Center Grand Rounds, University of Iowa, Iowa City, IA, August, 1987.
16. Casale, T.B.: "Exercise-Induced Anaphylactic Syndromes." Presented at University of Iowa CME Meeting entitled, "Current Topics in Clinical and Pulmonary Immunology," Iowa City, IA, October, 1987.
17. Visiting Professor and Invited Speaker, Department of Immunology, Rush Medical College, Chicago, IL, October 14-16, 1987.
18. Casale, T.B.: "Differentiation of Cholinergic Urticaria from Exercise-Induced Anaphylaxis." Presented at 44th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , Anaheim, CA, March, 1988.

19. Casale, T.B.: "Neural Mechanisms of Bronchial Hyperreactivity." Presented at 44th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , Anaheim, CA, March, 1988.
20. Casale, T.B.: "Bronchoalveolar Lavage Fluid Histamine Levels in Asthma." Invited lecture, SUNY, Syracuse, NY, March 25, 1988.
21. Casale, T.B.: "Airway Neuropeptides." Presented at the National Symposium on Nasal Function in Health and Disease, Providence, RI, April 13, 1988.
22. Visiting Professor and Invited Speaker, Division of Allergy and Immunology, Department of Internal Medicine, University of Wisconsin College of Medicine, Madison, WI, April 29, 1988.
23. Casale, T.B.: "Exercise-Induced Anaphylactic Syndromes" and "Bronchoalveolar Lavage and Asthma." Presented at Wisconsin State Medical Society Annual Meeting, Milwaukee, WI, April 30, 1988.
24. Casale, T.B.: "Bronchoalveolar Lavage and Asthma." Presented at the Annual Meeting of the American Thoracic Society, Las Vegas, NV, May, 1988.
25. Casale, T.B.: "Airway Neuropeptide" and "Exercise-Induced Anaphylactic Syndromes." Presented at Louisiana State Allergy Meeting, New Orleans, LA, June 25, 1988.
26. Casale, T.B.: "Neuropeptides: Nature, Function and Relation to Allergic Disease" and "H1 and H2 Antagonists in Therapy of Allergic Diseases." Presented at 11th National Conference on Pediatric/Adult Allergy and Clinical Immunology, Toronto, Canada, July, 1988.
27. Casale, T.B.: "Neuromechanisms of Asthma: You Gotta Lotta Nerve to Wheeze." Internal Medicine Grand Rounds, University of Iowa, Iowa City, IA, August 25, 1988.
28. Casale, T.B.: "Bronchoalveolar Lavage Studies in Asthma." Presented at the Nebraska State Allergy Society Meeting, Omaha, NE, September 6, 1988.
29. Casale, T.B.: "Exercise-Induced Anaphylactic Syndromes." Internal Medicine Grand Rounds, Creighton University, Omaha, NE, September 7, 1988.
30. Casale, T.B.: "Cholinergic Urticaria and Exercise-Induced Anaphylaxis." Presented at the Iowa State Dermatologic Society Meeting, Iowa City, IA, September 16, 1988.
31. Casale, T.B.: "Differential Diagnosis and Treatment of Rhinitis." Presented at University of Iowa CME Meeting entitled "Progress in Internal Medicine", Iowa City, IA, September 23, 1988.
32. Casale, T.B.: "Bronchoalveolar Lavage and Asthma." Presented at University of Iowa CMA Meeting entitled "Current Topics in Clinical and Pulmonary Immunology", Iowa City, IA, November 3, 1988.
33. Casale, T.B.: "Neuromechanisms of Asthma." Presented at the 42nd Annual Postgraduate Assembly of the New York State Society of Anesthesiologists, New York, NY, December 10, 1988.

34. Casale, T.B.: "Augmentation of LTB₄-Induced Neutrophil Chemotaxis by Endothelial Cells: When Push Comes to Shove!" Presented at Department of Internal Medicine Research Conference, University of Iowa, Iowa City, IA, February 9, 1989.
35. Casale, T.B.: "Differentiation of Cholinergic Urticaria From Exercise-Induced Anaphylaxis." Presented at the 45th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Antonio, TX, February, 1989.
36. Casale, T.B.: "Neural Mechanisms of Bronchial Hyperreactivity." Presented at the 45th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Antonio, TX, February, 1989.
37. Casale, T.B.: "Mast Cell Mediators." Presented at the 45th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Antonio, TX, February, 1989.
38. Casale, T.B.: "Use of Methacholine Challenge Testing in the Evaluation of Occupational Asthma." Presented at University of Iowa CME Meeting entitled, "Topics in Occupational Medicine," Iowa City, IA, March 31, 1989.
39. Casale, T.B.: "Neuromechanisms of Asthma." Internal Medicine Grand Rounds, Hines VA Medical Center, Maywood, IL, June 30, 1989.
40. Casale, T.B.: "Neural Mechanisms of Asthma." Presented at the Illinois Society of Allergy and Immunology Meeting, Chicago, IL, September 25, 1989.
41. Casale, T.B.: "The Many Faces of Rhinitis." Presented at the University of Wisconsin Allergy and Immunology Update, Madison, WI, October 12, 1989.
42. Casale, T.B.: "Neurohormones in the Mediation of Rhinitis and Asthma." Presented as a plenary lecture at the 46th Annual Meeting of the American College of Allergy and Immunology, Orlando, FL, November 11, 1989.
43. Casale, T.B.: "Neuromechanisms of Asthma." Presented as a plenary lecture at the 46th Annual Meeting of the American College of Allergy and Immunology, Orlando, FL, November 12, 1989.
44. Casale, T.B.: "Neural Mechanisms of Bronchial Hyperreactivity." Presented at the 46th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Baltimore, MD, March, 1990.
45. Casale, T.B.: "Airway Neuropeptides: The Reason for Wheezing?" Presented as a plenary lecture at the 46th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Baltimore, MD, March, 1990.
46. Casale, T.B.: "Neuromechanisms of Asthma." Presented at the Annual Meeting of the American Thoracic Society, Boston, MA, May, 1990.
47. Casale, T.B.: "Assessment of Airway Reactivity." Presented at Central States Occupational Medical Association Annual Meeting, Iowa City, IA, September 12, 1990.

48. Casale, T.B.: "Assessment of Airway Hyperresponsiveness." Presented at the University of Iowa CME meeting entitled, "Current Topics in Clinical and Pulmonary Immunology," Iowa City, IA, October 12, 1990.
49. Casale, T.B.: "Neurogenic Mechanisms of Asthma." Presented at the Annual Meeting of the American College of Chest Physicians, Toronto, Canada, October 21, 1990.
50. Casale, T.B.: "Neural Mechanisms in Airway Hyperresponsiveness." Presented at the New York Allergy Society Annual Meeting, New York, NY, November 2, 1990.
51. Casale, T.B.: "Neurogenic and Non-Immunologic Mechanisms in Asthma Pathogenesis." Presented at the 47th Annual Meeting of the American College of Allergy and Immunology, San Francisco, CA, November 10, 1990.
52. Casale, T.B.: "Histamine." Presented at international meeting entitled, "The Role of the Mast Cell in Health and Disease," Key Biscayne, FL, December 6, 1990.
53. Casale, T.B.: Visiting Professor and Invited Speaker. Department of Allergy and Immunology, Mayo Clinics, Rochester, MN, January 14-15, 1991.
54. Casale, T.B.: "Neural Mechanisms of Bronchial Hyperreactivity." Presented at the 47th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , San Francisco, CA, March, 1991.
55. Casale, T.B.: "Neural Mediators of Asthma." Presented at the 47th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , San Francisco, CA, March, 1991.
56. Casale, T.B.: "Pathogenesis of Urticaria." Presented at the 47th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , San Francisco, CA, March, 1991.
57. Casale, T.B.: "Asthma: Disease or Syndrome?" Presented at the Annual Meeting of the American Thoracic Society, Anaheim, CA, May, 1991.
58. Casale, T.B.: "Mast Cell Mediators and Asthma." Presented at the Annual Meeting of the American Thoracic Society, Anaheim, CA, May, 1991.
59. Casale, T.B.: "Overview of Airway Neuropeptides in the Pathogenesis of Asthma." Presented at the Annual Meeting of the American Thoracic Society, Anaheim, CA, May, 1991.
60. Casale, T.B.: "Histamine and Antihistamines." Presented at the University of Iowa CME meeting entitled, "Current Topics in Clinical and Pulmonary Immunology," Iowa City, IA, September 27, 1991.
61. Casale, T.B.: "Lung Inflammation: A Moving Tale of Mast Cell Attraction for Granulocytes." Presented at Department of Internal Medicine Research Conference, University of Iowa, Iowa City, IA, February 27, 1992.
62. Casale, T.B.: "Neural Mechanisms of Bronchial Hyperreactivity." Presented at the 48th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , Orlando, FL, March, 1992.

63. Casale, T.B.: "National Asthma Report: Diagnosis and Management." Presented at the Annual Meeting of the American College of Physicians, San Diego, CA, March 28, 1992.
64. Casale, T.B.: "Neuropeptides and Allergy." Presented at the 15th Annual Meeting of the European Congress of Allergology and Clinical Immunology, Paris, France, May 11, 1992.
65. Casale, T.B.: "Mast Cells and Asthma." Presented at the Annual Meeting of the American Thoracic Society, Miami Beach, FL, May, 1992.
66. Casale, T.B.: "Lymphocytes, Mast Cells and the Attraction/Activation of Granulocytes." Presented at the Annual Meeting of the American Thoracic Society, Miami Beach, FL, May 1992.
67. Casale, T.B.: "Diagnosis and Management of Asthma." Iowa Lutheran Hospital Grand Rounds, Des Moines, IA, September 24, 1992.
68. Casale, T.B.: "Idiopathic Urticaria." Mercy Hospital, Iowa City, IA, September 30, 1992.
69. Casale, T.B.: "Current Concepts in the Diagnosis and Management of Asthma: Review of NHLBI Expert Panel Report." Presented at Progress in Internal Medicine Course, University of Iowa, IA City, October 10, 1992.
70. Casale, T.B.: Visiting Professor at Rush Medical College, Rush Medical College, Internal Medicine Grand Rounds: "Neuromechanisms of Asthma," and Grant Hospital Grand Rounds, "Diagnosis and Management of Asthma." Chicago, IL, October 16, 1992.
71. Casale, T.B.: "Current Concepts in the Diagnosis and Management of Asthma: Review of NHLBI Expert Panel Report." Covenant Medical Center, Waterloo, IA, February 2, 1993.
72. Casale, T.B.: "Current Concepts in the Diagnosis and Management of Asthma: Review of NHLBI Expert Panel Report." Refresher Course in Family Practice, University of Iowa, Iowa City, IA, March 9, 1993.
73. Casale, T.B.: "Controversies in Asthma Management." Presented at the 49th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Chicago, IL, March 13, 1993.
74. Casale, T.B.: "Adult Asthma, COPD/Bronchitis." Presented at the Literature Review for the 1993 American Board of Allergy and Immunology Exam, Chicago, IL, April 16, 1993.
75. Casale, T.B.: "Mechanisms of Leukocyte Recruitment in Chronic Bronchitis and Asthma." Presented at the Annual Meeting of the American Thoracic Society, San Francisco, CA, May 19, 1993.
76. Casale, T.B.: "Allergic Models and Cytokines." Presented at Workshop on Asthma and Bronchial Inflammation entitled, "Advance in Airways Disease Research," Monterey, CA, May 21, 1993.
77. Casale, T.B.: "The Mast Cell, Its Mediators and Asthma," and "Urticaria." Presented at Washington University School of Medicine course entitled "State of the Art Clinical Symposium on Allergic Diseases," St. Louis, MO, June 17, 1993.

78. Casale, T.B.: "Urticaria - So What's New?" Presented at the North Central Allergy Society Meeting, Iowa City, IA, June 19, 1993.
79. Casale, T.B.: "Anaphylaxis and Allergic Emergencies." Presented at University of Iowa Department of Medicine Emergency Lecture Series, Iowa City, IA, August 18, 1993.
80. Casale, T.B.: "Neuromechanisms of Asthma," and "Urticaria and Angioedema." Presented at National Jewish Center for Immunology and Respiratory Medicine course entitled "A Comprehensive Review in Adult and Pediatric Allergy/Immunology," Denver, CO, August 27 and 28, 1993.
81. Casale, T.B.: "Current Concepts in Asthma Therapy." Presented at 1993 Physician's Asthma Update. Sponsored by American Lung Association of Illinois in Bettendorf, IA, September 29, 1993.
82. Casale, T.B.: "Allergic and Non-Allergic Rhinitis: Diagnosis." Presented at American Academy of Family Practice Annual Meeting in Orlando, FL, October 6, 1993.
83. Casale, T.B.: "Recent Trends in Asthma - Update on Pathophysiology." Presented at Changing Concepts in Asthma Therapy: Consensus and Controversy Regional Conference in Cambridge, MA on October 27, 1993.
84. Casale, T.B.: "Pharmacologic Modulation of the Allergic Process." Presented at American College of Allergy and Immunology Annual Meeting in Atlanta, GA on November 14, 1993.
85. Casale, T.B.: "Neuromechanisms of Asthma." Presented at American Thoracic Society Meeting entitled, "Asthma: Challenging Issues in Pathogenesis and Treatment." Orlando, FL, January 8, 1994.
86. Casale, T.B.: "Neural Mechanisms of Asthma." Presented at Western Society of Allergy and Immunology in Mauni Laui, HI on January 25, 1994.
87. Casale, T.B.: "Urticaria and Angioedema: Are We Missing Anything?" Presented at Western Society of Allergy and Immunology in Mauni Laui, HI on January 27, 1994.
88. Casale, T.B.: "Differential Diagnosis and Treatment of Rhinitis." Presented at 1994 University of Iowa College of Medicine Refresher Course for the Family Physician on March 2, 1994, in Iowa City, IA.
89. Casale, T.B., Lemanske, R.F.: "Controversies in Asthma Therapy." Presented as seminar at American Academy of Allergy, Asthma and Immunology in Anaheim, CA on March 5, 1994.
90. Casale, T.B.: "Asthma: Differential Diagnosis and Therapy." Presented at Family Practice Clinical Lecture Series in Iowa City, IA on March 30, 1994.
91. Casale, T.B.: "Granulocyte Transcellular Migration: Effects of $TNF\alpha$: A New Factor of Allergy." Presented at Interdisciplinary Graduate Program in Immunology, Iowa City, IA on April 13, 1994.

92. Casale T.B.: "Safety of Beta-Agonist Therapy for Asthma." Presented at Glaxo Investigator's Meeting, Nashville, TN on April 19, 1994.
93. Casale, T.B.: American College of Allergy and Immunology Visiting Professor, "Neurogenic Control of Inflammation and Airway Function," Department of Internal Medicine Grand Rounds, and "TNF α -Induced Neutrophil and Eosinophil Transcellular Migration," Research Conference at West Virginia University School of Medicine, Morgantown, WV, April 28-29, 1994.
94. Casale, T.B.: "Introduction to Asthma from an Allergist's Perspective," Post-Graduate Course Speaker, ALA/ATS International Conference, Boston, MA, May 21, 1994.
95. Casale, T.B.: American College of Allergy and Immunology Visiting Professor, "Granulocyte Transcellular Migration by TNF α : The New Factor of Allergy," Research Seminar and "Neurogenic Control of Inflammation and Airway Function in Asthma," Department of Internal Medicine Grand Rounds, University of Nebraska, Omaha, NE, June 2, 1994.
96. Casale, T.B.: "The Runny Nose: Allergies, Cold and What 'Snot'" and "Ask Your Allergist," Invited Speaker and Program Chair, 1994 National Association of School Nurses Annual Conference, Orlando, FL, July 1, 1994.
97. Casale, T.B.: "Neuromechanisms of Asthma," Invited Speaker, Greater Houston allergy Society, Houston, TX, September 21, 1994.
98. Casale, T.B.: Visiting Professor, "Mast Cells and Asthma Pathogenesis," Department of Internal Medicine Grand Rounds, University of Texas Medical Branch at Galveston, Galveston, TX, September 22, 1994.
99. Casale, T.B.: Visiting Professor, "TNF α and Granulocyte Transcellular Migration: Insights into Allergic Lung Inflammation," Research Conference, Baylor University, Houston, TX, September 22, 1994.
100. Casale, T.B.: Visiting Professor and Invited Speaker, "Exercise Induced Anaphylactic Syndrome," San Antonio Allergy Society, San Antonio, TX, October 6, 1994.
101. Casale, T.B.: Visiting Professor, "In vitro Model of Airway Inflammation," Research Conference, and "Neuromechanisms of Asthma," Department of Internal Medicine Grand Rounds, Wilford Hall Medical Center, San Antonio, TX, October 7, 1994.
102. Casale, T.B.: Invited Speaker, "Current Concepts in Asthma Therapy," Iowa PA Society Conference, Holiday Inn, Iowa City, IA, October 28, 1994.
103. Casale, T.B.: "Leukotriene-Mediated Asthma" in New Modalities in Asthma: Clinical Relevance, Post-Graduate Symposium speaker at American Academy of Allergy, Asthma and Immunology Annual Meeting in New York City, NY, Feb. 26, 1995.
104. Casale, T.B. and Lemanske, R.F.: "Controversies in Asthma Therapy." Presented as seminar at American Academy of Allergy, Asthma and Immunology in Anaheim, CA on March 1, 1995.
105. Casale, T.B.: "Diagnosis and Management of Asthma," 1995 Spring Office Nurse Conference, Iowa City, IA, March 10, 1995.

106. Casale, T.B.: "Reactive Airway Disease: New Concepts in Diagnosis and Treatment of Asthma," speaker at 4th Annual Comprehensive Lung Health Conference, St. Louis, MO, March 23, 1995.
107. Casale, T.B.: "Exercise-Induced Anaphylactic Syndromes" speaker at St. Louis Allergy Society, St. Louis, MO, March 23, 1995.
108. Casale, T.B.: Visiting Professor, "Mast Cells: The Reason for Wheezing," St. Louis University, Internal Medicine Grand Rounds, St. Louis, MO, March 24, 1995.
109. Casale, T.B.: Participant, on Asthma Education Steering Committee, sponsored by Discovery International, a provider of the ACCME to develop medical education programs, Chicago, IL, May 2 and October 13, 1995.
110. Casale, T.B.: "Asthma: The Established Drugs." Presented at Postgraduate course at the American Thoracic Society Annual Meeting, Seattle, WA, May 23, 1995.
111. Casale, T.B.: Visiting Professor, "The Inflammatory Component of Asthma," CME program at Research Medical Center, Kansas City, MO, May 31, 1995.
112. Casale, T.B.: Speaker and Session Moderator: "Mediators as Inflammatory Effectors"- Joint Conference (Asthma '95 Theory to Treatment) Sponsored by the American Academy of Allergy & Immunology and the American Thoracic Society, Chicago, IL, July 16, 1995.
113. Casale, T.B.: Visiting Professor: "Exercise-Induced Anaphylactic Syndrome" and "Neuromechanisms of Asthma," Alabama Society of Allergy & Immunology, Destin, FL., August 12-13, 1995.
114. Casale, T.B.: Visiting Professor: "Role of Leukotrienes in Asthma," Washington, D.C. Allergy Society, Washington, DC, September 14, 1995.
115. Casale, T.B.: Speaker: "Diagnosis and Management of Asthma in the School Aged Child." Presented at 21st Annual School Nurse Conference, Highlander Inn, Iowa City, IA, September 29, 1995.
116. Casale, T.B.: Speaker: "Leukotrienes and Asthma." Presented at Current Topics in Clinical and Pulmonary Immunology Conference, College of Medicine, University of Iowa, Iowa City, IA, October 20, 1995.
117. Casale, T.B.: Visiting Professor: "Therapeutic Issues in the Management of Asthma," CME Meeting, Daytona Beach, FL., November 16, 1995 & "Differential Diagnosis and Treatment of Asthma," Medicine Grand Rounds, Halifax Med. Ctr., Daytona Beach, FL., November 17, 1995.
118. Casale, T.B.: Presenter: "New Medications on the Horizon in the Treatment of Asthma," ALA/ATS Science Writers' Briefing, New York, NY, January 18, 1996.
119. Casale, T.B. and Lemanske, R.F.: "Controversies in Asthma Therapy." Presented as seminar at American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, March 9, 1996.

120. Casale, T.B.: "Future Management of Asthma" and "Differential Diagnosis and Treatment of Rhinitis Syndromes": Presented at Conference Entitled "New Direction in the Management of Asthma and Allergy," Des Moines, IA and Omaha, NE, March 26 and 27, 1996.
121. Casale, T.B.: Speaker: "New Therapies for Asthma." Cleveland Allergy Society, Cleveland, OH, April 2, 1996.
122. Casale, T.B.: Speaker: "Neuromechanisms of Asthma" for a Post-Graduate Course Entitled "Asthma Update: Pathogenesis and Therapy," at the American Thoracic Society Annual Meeting, New Orleans, LA, May 11, 1996.
123. Casale, T.B.: "Histamine & Antihistamines". Methodist Hospital, Grand Rounds, Des Moines, Iowa, August 26, 1996.
124. Casale, T.B.: "Anaphylaxis.", University of Nebraska Medical School, Department of Family Practice, Grand Rounds, Omaha, Nebraska, October 9, 1996.
125. Casale, T.B.: "New Therapies for Asthma". Presented at Colorado Allergy and Asthma Society Meeting, Denver, Colorado, February 11, 1997.
126. Casale, T.B.: "Tumor Necrosis Factor-Induced Granulocyte Transcellular Migration". Presented at Denver Allergy Grand Rounds at National Jewish Center for Immunology and Respiratory Disease, Denver, Colorado, February 12, 1997.
127. Casale, T.B., and Lemanske, R.F.: "Controversies in Asthma Therapy". Presented as a seminar at American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, California, February 25, 1997.
128. Casale, T.B.: "Future Therapies for Asthma". Presented at Post-Graduate Course Entitled "Update on Asthma Management Issues", at the American Thoracic Society Annual Meeting, San Francisco, California, May 17, 1997.
129. Casale, T.B.: "Asthma Therapies of the Future". Presented as American Academy of Allergy, Asthma and Immunology Distinguished Lecture at the Annual Meeting of the American College of Osteopathic Internists, Toronto, Canada, September 18, 1997.
130. Casale, T.B.: "Neurogenic Inflammation and Asthma: Abnormal Autonomic Nervous System Responses and Asthma" at the XVI International Congress of Allergology and Clinical Immunology, Cancun, Mexico, October 22, 1997.
131. Casale, T.B.: "The Pathophysiologic Implications of the Lipoxygenase Products in Asthma" at the American College of Allergy, Asthma and Immunology Annual Meeting in San Diego, California, November 9, 1997.
132. Casale, T.B.: "Diagnosis and Differential Diagnosis of Asthma" at Asthma Management in the Primary Care Setting: A Regional Postgraduate Course in Princeton, New Jersey, December 10, 1997.
133. Casale, T.B.: "Management Issues in Chronic Asthma" at Asthma Management in the Primary Care Setting: A Regional Postgraduate Course in Princeton, New Jersey, December 10, 1997.

134. Casale, T.B.: "Future Therapies" at Asthma Management in the Primary Care Setting: A Regional Postgraduate Course in Princeton, New Jersey, December 10, 1997.
135. Casale, T.B.: "Asthma/Allergy Update of Drugs and Devices in the Development Process" at the Tenth Annual Allergy-Immunology Program for the Allied Health Professionals, American Academy of Allergy, Asthma and Immunology Annual Meeting in Washington, D.C., March 13, 1998.
136. Casale, T.B., and Lemanske, R.F.: "Controversies in Asthma Therapy: Role of Leukotriene Antagonists" Presented as a Seminar at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Washington, D.C., March 15, 1998.
137. Casale, T.B.: "New Approaches in Asthma Management" at Strategies for Asthma Therapy in the Next Millenium in Springfield, Illinois on April 2, 1998, sponsored by the American Lung Association of Illinois.
138. Casale, T.B.: "Diagnosis and Differential Diagnosis of Asthma", "Management of Asthma", "Urticaria and Angioedema", and "Differential Diagnosis and Treatment of Rhinitis" as Visiting Professor to the Center for Family Medicine, Souix Falls, South Dakota, May 1, 1998.
139. Casale, T.B.: "Neuromechanisms Important in Asthma", Presented as a Plenary Session at the American College of Allergy, Asthma and Immunology Annual Meeting in Philadelphia, Pennsylvania, November 7, 1998.
140. Casale, T.B.: "Future Approaches to Therapy of Asthma", Presented as a Breakfast Symposium at the American College of Allergy, Asthma and Immunology Annual Meeting in Philadelphia, Pennsylvania, November 8, 1998.
141. Casale, T.B.: "Management Issues in Chronic Asthma", Presented at the Regional Asthma Conference in Mystic, Connecticut, on November 21, 1998.
142. Casale, T.B., Lemanske, R.F., Jr, and Wenzel, S.E.: "Controversies in Asthma Therapy: Role of Leukotriene Antagonists", Presented as a Seminar at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Orlando, Florida, February 28, 1999.
143. Casale, T.B.: "Use of Leukotriene Modifiers for Rhinitis and Other Allergic Diseases". Presented at a Symposium at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Orlando, Florida, March 2, 1999.
144. Casale, T.B.: "Strategies for Asthma Management in the New Millenium". Presented at the Nebraska Academy of Family Physicians Annual Scientific Assembly in Omaha, Nebraska, March 25, 1999.
145. Casale, T.B.: "Upper Respiratory Tract Diseases". Presented at the 11th Annual Pulmonary Fellows Symposium in San Diego, California, April 24, 1999.
146. Casale, T.B.: "Anaphylaxis". Presented at the 6th Annual Allergy Fellows Symposium in San Diego, California, April 24, 1999.
147. Casale, T.B.: "One Airway/One Disease?" Presented at a Symposium entitled "Relationship of Rhinitis to Asthma: United Airways?" at Asthma '99, Theory to Treatment, Honolulu, Hawaii, May 1, 1999.

148. Casale, T.B.: "Management Issues in Chronic Persistent Asthma". Presented at a University of Washington CME Course entitled "Hot Topics in Primary Care: New Approaches to Allergic Rhinitis, Asthma, Diabetes and Hepatitis" in Santa Fe, New Mexico, May 16, 1999.
149. Casale, TB: "Mometasone furoate: Delivery System Simplicity". Presented at XVI World Congress of Asthma in Buenos Aires, Argentina, October 18, 1999.
150. Casale, TB: "Future Perspectives on Asthma Treatment". Presented at XVI World Congress of Asthma in Buenos Aires, Argentina, October 20, 1999.
151. Casale, TB: "Goals of Therapy – Better Delivery for Better Treatment." Presented at American College of Allergy, Asthma and Immunology Annual Meeting in Chicago. IL, November 13, 1999.
152. Casale, TB: "Neurogenic Mechanisms in Asthma and the Nose" Presented as a Meet The Professor Breakfast Seminar at American College of Allergy Asthma and Immunology Annual Meeting in Chicago IL, November 14, 1999.
153. Casale, TB: "Asthma Treatment Plans" Presented at the American Academy of Allergy Asthma And Immunology Chief Residents Program in Phoenix. AZ, November 20, 1999.
154. Casale, TB: "Mechanisms of Asthma" Presented at the 8th Biennial Meeting of the Transpacific Allergy and Immunology Society, Waikoloa, HI, January 12, 2000.
155. Casale, TB: "Similarities and Differences in the Immunobiology of Asthma and Rhinitis" Presented at the 8th Biennial Meeting of the Transpacific Allergy and Immunology Society, Waikoloa, HI, January 13, 2000.
156. Casale, TB: "Future Therapies For Asthma" Presented at the 8th Biennial Meeting of the Transpacific Allergy and Immunology Society, Waikoloa, HI, January 14, 2000.
157. Casale, T.B.: "Overview of Asthma". Presented at a symposium at the American Academy of Allergy, Asthma and Immunology Annual Meeting in San Diego, CA, March 4, 2000.
158. Casale, T.B.: "Experiences with Monoclonal Antibodies in Allergic Mediated Disease: Seasonal Allergic Rhinitis". Presented at a symposium at the American Academy of Allergy, Asthma and Immunology Meeting in San Diego, CA, March 5, 2000.
159. Casale, T.B.: "Allergic Rhinitis and Upper Respiratory Tract Diseases". Presented at the 12th Annual Pulmonary Fellows Symposium in Toronto, Canada, May 4, 2000.
160. Casale, T.B.: "Anti-IgE for the Therapy of Allergic Rhinitis". Presented at a symposium at the American Thoracic Society Annual Meeting in Toronto, Canada, May 7, 2000.
161. Casale, T.B.: "Differential Diagnosis and Management of Urticaria/Angioedema". Dermatology Grand Rounds at Cook County Hospital, Chicago, IL., June 19, 2000.
162. Casale, T.B.: "Anti-IgE therapy for asthma and allergic rhinitis." Presented as a seminar at the American Academy of Allergy, Asthma and Immunology Meeting, New Orleans, LA, March 10, 2001.

163. Casale, T.B.: "The Differential Diagnosis and Management of Allergic Rhinitis", Dinner/Lecture Presentation, Embassy Suites Old Market, Omaha, NE May 31, 2001.
164. Casale, T.B.: "Future Therapy: The Safety and Efficacy of Anti-IgE Therapy in the Child and Adult with Asthma". State-of-the-Art Conference, National Institute of Health, sponsored by the National Jewish Medical and Research Center: Washington, D.C. June 18, 19, 2001.
165. Casale, T.B. "Effects of a Monoclonal Anti-IgE in Asthma" (as a session on Complex Issues in Atopy and Asthma) at the World Asthma Meeting in Chicago, IL. July 12, 2001.
166. Casale, T.B.: "Novel Therapies for Allergic Disease." Symposium at the ACAAI Annual Meeting in Orlando, FL., Nov. 16, 2001.
167. Casale, T.B.: "Long-Term Follow-Up of Patients Receiving Anti-IgE Therapy for Asthma" Symposium at the ACAAI Annual Meeting in Orlando, FL., Nov. 16, 2001.
168. Casale, T.B.: "Future Developments: Anti-IgE, DNA, and Cytokines" (a plenary session on Immunotherapy: Defining Treatment Practices and Increasing Efficacy) at the ACAAI Annual Meeting in Orlando, FL., Nov. 19, 2001.
169. Casale, T.B.: "Anti-IgE Therapy for Allergic Disease". Presented as a seminar at AAAA&I Annual Meeting, New York, NY March 2, 2002.
170. Casale, T.B.: "Anti-IgE Therapy for Asthma". Presented at a symposium entitled "Complex Issues in Atopy and Asthma: IgE Bench to Bedside, AAAA&I Annual Meeting March 2, 2002, New York, NY.
171. Casale, T.B.: "New Vaccine-Based Approaches to Treating Allergic Diseases" Presented as a seminar at the AAAA&I Annual Meeting, March 4, 2002, New York, NY.
172. Casale, T.B.: "New Approaches to Treating Airway Inflammation", Presented at a symposium entitled: A Look at the Future: The Management of Allergic Diseases, at the AAAA&I Annual Meeting, New York, NY March 5, 2002.
173. Casale, T.B.: "Immunotherapy: Past or Future Treatment?" Presented at University of Minnesota Allergy and Clinical Immunology 60th Annual Course, Radisson Hotel Metrodome, April 19, 2002.
174. Casale, T.B., Ballas, Z.K.: "Immunomodulation in the Treatment of Allergic Disease and Asthma: Caution or Full Speed Ahead"?, a debate at the 9th Annual Allergy Fellows Symposium, Atlanta, GA May 16, 2002.
175. Casale, T.B.: "Pathogenesis of Asthma", Presented at Allergy/Immunology Grand Rounds, Visiting Professor, UMDNJ-New Jersey Medical School, May 23, 2002.
176. Casale, T.B.: "Advances in Immune Vaccine Therapies for Allergic Respiratory Diseases", Presented at New Jersey Allergy Society, May 23, 2002.
177. Casale, T.B.: "Anti-IgE Therapy for Allergic Respiratory Disorders", Presented at Pediatric Grand Rounds, UMDNJ-New Jersey Medical School, May 24, 2002.

178. Casale, T.B.: "New Immunomodulatory Treatments for Asthma", Presented at Medicine Grand Rounds, UMDNJ-New Jersey Medical School, May 24, 2002.
179. Casale, T.B.: "Anti-IgE" Allergy/Immunology Grand Rounds, Creighton University, July 5, 2002.
180. Casale, T.B.: "Anti-IgE Therapy for Allergic Respiratory Diseases". Internal Medicine Grand Rounds, Creighton University, September 4, 2002.
181. Casale, T.B.: "A Unified Approach to the Treatment of Rhinitis, Asthma and Other Allergic Diseases" presented at ACAI Annual Meeting, San Antonio, TX November 14, 2002.
182. Casale, T.B.: "Emerging Therapies for Allergic Respiratory Disorders: Overview of Immunomodulatory Strategies" presented at a Plenary Session of the ACAI Annual Meeting, San Antonio, TX November 16, 2002.
183. Casale, T.B.: "Sedation and Impairment: Implications on Patient Care and Function" Presented at "Current Concepts in Allergic Reactions: A Multidisciplinary Approach to Patient Management" NIH sponsored symposium, Bethesda, MD February 10, 2003.
184. Casale, T.B.: "Recommendations for Ethical Clinical Research" presented at Workshop at the AAAA&I Annual Meeting, March 8, 2003, Denver, CO.
185. Casale, T.B.: Anti-IgE Monoclonal Antibody: Its Use in Asthma and Other Allergic Diseases. Presented at the Clinical Allergy for the Practicing Physician colloquium, Washington University, St. Louis, MO., August 8, 2003.
186. Casale, T.B.: "Looking to the Future: Pharmacotherapy of Asthma & Allergic Disease". Presented at the Clinical Allergy for the Practicing Physician colloquium, Washington University, St. Louis, MO., August 9, 2003.
187. Casale, T.B.: "Targeting IgE in the Treatment of Allergic Respiratory Disorders: Utility of Xolair (Omalizumab)". Presented at Pediatric Grand Rounds, Childrens Hospital, Omaha, NE August 15, 2003.
188. Casale, T.B.: "IgE in Asthma". A Presentation/lecture at the Ambulatory Care Curriculum conference, Department of Medicine, Creighton University, August 21, 2003.
189. Casale, T.B.: "Anti-IgE and Immunotherapy". A presentation at a scientific program seminar at the World Allergy Organization (WAO) Congress, Vancouver, B.C., September 11, 2003.
190. Casale, T.B.: " New Approaches to the Treatment of Asthma". A presentation at a Parallel Symposia at the World Allergy Organization (WAO) Congress, Vancouver, B.C., September 12, 2003.
191. Casale, T.B.: " Role of Anti-IgE in Asthma". A presentation at the Illinois Society of Allergy, Asthma & Immunology, Chicago, IL, September 21, 2003.
192. Casale, T.B.: "New Treatments for Asthma". A presentation at the Illinois Society of Allergy, Asthma & Immunology, Chicago, IL, September 21, 2003.
193. Casale, T.B.: "Onset of Action of Anti-IgE Effect". A Presentation at the European Respiratory Society Annual Congress, Vienna, Austria, September 29, 2003.

194. Casale, T.B.: "Translating Biomedical Science to the Bedside". A Presentation to 4th Year Medical Students, Educational Lecture series, Department of Medicine, Creighton University, October 7, 2003.
195. Casale, T.B.: "Writing a Paper". A Presentation/Lecture in the Educational Lecture series, Department of Medicine, Creighton University, October 8, 2003.
196. Casale, T.B.: "Impairment Issues in Allergic Disorders and the Treatment Thereof". A Presentation at the Southeastern Allergy, Asthma and Immunology Society Annual Meeting, Wild Dunes, Isle of Palms, South Carolina, October 17, 2003.
197. Casale, T.B.: "Anti-IgE Therapy for Allergic Disorders". A Presentation at the Southeastern Allergy, Asthma and Immunology Society Annual Meeting, Wild Dunes, Isle of Palms, South Carolina, October 18, 2003.
198. Casale, T.: "Anti-IgE and Biologic Modifiers for Asthma and Other Allergic Disorders". A Visiting Professor Presentation at Internal Medicine Grand Rounds, St. Louis University School of Medicine, St. Louis, MO October 24, 2003.
199. Casale, T.: "Current and Emerging Therapeutic Options for IgE-Mediated Diseases". Presentation at the American College of Allergy, Asthma & Immunology (ACAAI) Annual Meeting, New Orleans, LA November 9, 2003.
200. Casale, T.: "Maintenance Of Certificate: How Did We Get Here and Where Are We Going?" Presented at a Plenary Lecture, American College of Allergy, Asthma & Immunology (ACAAI) Annual Meeting, New Orleans, LA. November 9, 2003.
201. Casale, T.: "The Real Truth About Omalizumab". Presented at a Meet the Professor Session, American College of Allergy, Asthma & Immunology (ACAAI), New Orleans, LA., November 9, 2003.
202. Casale, T.: "Future Therapies for Asthma". Presented at Internal Medicine Grand Rounds, CUSOM, January 7, 2004.
203. Casale, T.: "Anti-IgE: A Shot in the Dark?". Presented at the 42nd Annual Scientific Session of the Western Society of Allergy, Asthma and Immunology, Oahu, Hawaii, January 29, 2004.
204. Casale, T.: " Treatment Strategies: Where Do We Start?". Presented at the 42nd Annual Scientific Session of the Western Society of Allergy, Asthma and Immunology, Oahu, Hawaii, January 31, 2004.
205. Casale, T.: "New Insights Into the Use of Anti-IgE for Allergic Respiratory Disorders". Presented to Virginia Allergy/Immunology Society, Richmond, VA, February 12, 2004.
206. Casale, T.: "Future Treatments for Allergic Respiratory Diseases". Presented at Virginia Commonwealth University Medical School Grand Rounds, Richmond, VA, February 13, 2004.
207. Casale, T.: "New Allergist/Immunologist-Advancing/Enhancing a Career in Allergy/Immunology". Presented at a Workshop at the AAAA&I Annual Meeting, San Francisco, CA March 20, 2004.

208. Casale, T.: "Anti-IgE for Allergic Disease: What's Next?" Presented at a Seminar at the AAAA&I Annual Meeting, San Francisco, CA March 21, 2004.
209. Casale, T.: "Therapeutic Advances from the Immune Tolerance Network/NIAID". Presented at a Symposium at the AAAA&I Annual Meeting, San Francisco, CA March 22, 2004.
210. Casale, T.: Update on Future Therapies for the Treatment of Asthma. Presented at the Clinical Update in Internal Medicine, Creighton University Medical Center Continuing Medical Education course for General Internists, Internal Medicine Subspecialists, Family Practitioners, Creighton Internal Medicine Alumni, Nurse Practitioners and Physician Assistants, April 17, 2004.
211. Casale, T.: "First Do No Harm: Managing Impairment in Allergic Disorders". Presented at a noon conference, Ehrling Bergquist Base Hospital/Clinics, Offutt AFB, Omaha, NE April 27, 2004.
212. Casale, T.: "Specific Considerations in the Use of Anti-IgE Therapy" presented at a mini symposium: Progress in the Development of Therapeutic Vaccines for Allergic Diseases, 18th Annual Update, Frontiers in Research and Clinical Management of Asthma and Allergy. Johns Hopkins Asthma and Allergy Center, Bethesda, MD May 1, 2004.
213. Casale, T.: "Use of Controller Therapy with Inhaled Steroids in Mild Persistent Asthma", Presented at an Asthma Mini Symposium: Rational Therapeutic Discussion, 18th Annual Update, Frontiers in Research and Clinical Managements of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, Bethesda, MD May 1, 2004.
214. Casale, T.: "Clinical Utility of IgE Blockade" Presented at a symposium of the 12th International Congress of Immunology, 4th Annual Conference of Federation of Clinical Immunology Societies, Montreal, Quebec July 18, 2004.
215. Casale, T.: "Anti-IgE Therapy: Clinical Efficacy" Presented at Session III, "New Treatments for IgE- mediated Disease" at the 22nd Annual Aspen Allergy Conference, July 30, 2004 Aspen, Colorado.
216. Casale, T.: "Anti-IgE: One Year Later" Presented at Department of Allergy/Immunology Grand Rounds, Walter Reed Army Hospital, Washington, DC, September 23, 2004.
217. Casale, T.: "Anti-IgE: One Year Later" Presented at Greater Washington Asthma/Allergy Immunology Society Meeting, Washington, DC September 23, 2004.
218. Casale, T.: Allergy Immunotherapy Coadministered with Omalizumab. Presented at Allergy Grand Rounds, Visiting Professor, University of Wisconsin, Madison, Madison, WI, Oct. 15, 2004.
219. Casale, T.: Update on Anti-IgE Therapy. Presented to Wisconsin Allergy Society, Oct. 16, 2004.
220. Casale, T.: Future Directions in the Prevention and Treatment of Allergic Diseases. Presented to Wisconsin Allergy Society, Oct. 16, 2004.
221. Casale, T.: Immunotherapy Collegium II: Omalizumab and Immunotherapy. Presented at a Pre-Meeting of the American College of Allergy, Asthma & Immunology Annual Meeting, Boston, MA, November 11.

222. Casale, T.: Anti-IgE Monoclonal Antibody Administered with Immunotherapy. Presentation at the General Session: Affecting the Antibody – Stanislaus Jaros Lecture, American College of Allergy, Asthma & Immunology Annual Meeting, Boston, MA November 13, 2004.
223. Casale, T.: Managing Anti-histamine Impairment in Patients with Allergic Rhinitis. A presentation at the pre-conference symposium of the Combined Meeting on Allergy, Asthma and Immunology, Southwest Allergy Forum, Puerto Vallarta, Mexico, January 12, 2005.
224. Casale, T.: Anti-IgE as a Safety Umbrella for Seasonal or Rush Immunotherapy. A presentation at the Texas Allergy, Asthma & Immunology Society Section, at the Combined Meeting on Allergy, Asthma and Immunology, Southwest Allergy Forum, Puerto Vallarta, Mexico, January 15, 2005.
225. Casale, T.: Rush Immunotherapy: Novel Premedication Strategies to Prevent Adverse Events. A Presentation at Course #1304, at the AAAA&I Annual Meeting, San Antonio, TX, March 18, 2005.
226. Casale, T.: Management of Impairment in Patients With Allergic Disorders. Presented at the Sanofi-Aventis National Speakers Program, Chicago, IL., April 5, 2005.
227. Casale, T.: Anti-IgE As A Safety Umbrella For Allergen-Specific Immunotherapy. Presented at the Nebraska Allergy Society, Omaha, NE., April 11, 2005.
228. Casale, T.B.: Early-to-Late Inhibitory Molecules of Allergic Inflammation. Presentation at the Sister Society Symposium at the World Allergy Organization Annual Meeting, Munich, Germany. June 29, 2005.
229. Casale, T.B.: Anti-IgE Therapy. Presentation at Symposium #23, IgE Regulation Session, World Allergy Organization Annual Meeting, Munich, Germany. June 30, 2005.
230. Casale, T.B., Meltzer, E.: Practical Aspects of the Use of Omalizumab. Meet the Professor Session, ACAAI Annual Meeting, Anaheim, CA. November 6, 2005.
231. Casale, T.B.: Rethinking Asthma Control: What Is It and Can It Be Achieved? ACAAI Annual Meeting, Anaheim, CA. November 7, 2005.
232. Casale, T.B.: Anti-IgE Monoclonal Antibodies Imparts – Safety & Efficacy for Allergen Immunotherapy. Bay Area Allergy Society, San Francisco, CA. January 19, 2006.
233. Casale, T.B.: National Allergy/Immunology Coalition – FIT Symposium. AAAA&I Annual Meeting, Miami Beach, FL March 3, 2006.
234. Casale, T.B.: Targeting A Single Molecule Is Effective in Asthma Treatment. Pro/Con Debate with Rebuttal, at AAAA&I Annual Meeting, Miami Beach, FL March 7, 2006.
235. Casale, T.B.: “Omalizumab and Immunotherapy: A New Treatment Paradigm?” Presentation at Alan Cozort Allergy Society Dinner, Little Rock, AR April 3, 2006.
236. Casale, T.B.: “Pathogenesis and Novel Treatments for IgE-Mediated Allergic Asthma”. Presentation at Pediatric Grand Rounds, Arkansan Children’s Hospital, Little Rock, AR April 4, 2006.

237. Casale, T.B.: "Role of IgE in Inflammation and Asthma". Presentation at ARC Training Seminar, April 28, 2006, CUMC, Omaha, NE.
238. Casale, T.B.: "Anti-IgE Therapy: A Practical Approach". Presentation at ARC Training Seminar, April 28, 2006.
239. Casale, T.B.: "New Insights Into The Use of Anti-IgE Therapy for the Treatment of Allergic Disorders", Presentation at the University of Iowa Asthma Conference, Iowa City, IA., May 5, 2006.
240. Casale, T.B.: New Insights Into the Use of IgE Modulating Therapies. Presentation at Immunology Research Conference at University of South Florida, October 10, 2006.
241. Casale, T.B.: Omalizumab and Immunotherapy Combined for the Treatment of Allergic Diseases. Presentation to Tampa Area Allergy Society, October 10, 2006.
242. Casale, T.B.: Practical Aspects of the Use of Omalizumab. Meet the Professor Breakfast Presentation, American College of Allergy Immunology Annual Meeting, Philadelphia, PA. November 13, 2006.
243. Casale, T.B.: Observations on the Clinical Potential of Anti-IgE as a Preventive Therapy for Systemic Atopic Disease. What Patient Types Would Be Expected to Benefit Most from Anti-IgE Treatment If It Were Not Limited to Asthma. Presentation at the 45th Annual Scientific Session of the WSAAI Annual Meeting, Maui, Hawaii, January 15, 2007.
244. Casale, T.B.: Optimizing the Treatment of Allergic Asthma. Presentation at the 45th Annual Scientific Session of the WSAAI Annual Meeting, Maui, Hawaii, January 18, 2007.
245. Casale, T.B.: Conventional Immunotherapy: The Use of Omalizumab as an Adjunct to Immunotherapy. Presented at a symposium at the AAAA&I Annual Meeting, San Diego CA, Feb. 26, 2007.
246. Casale, T.B.: Optimizing Asthma Treatment. Presented at the Nebraska Academy of Allergy/Immunology, Omaha, NE, March 27, 2007.
247. Casale, T.B.: Anti-IgE Therapy for Rhinitis and Asthma. Presented at the Basic and Clinical Allergy Course, Imperial College, London, England, April 16, 2007.
248. Casale, T.B.: Clinical Aspects of IgE. Plenary Symposium at EAACI, Goteborg, Sweden, June 11, 2007.
249. Casale, T.B.: Can Omalizumab Synergize Immunotherapy? World Allergy Forum, EAACI, Goteborg, Sweden, June 12, 2007.
250. Casale, T.B.: Asthma: Moving Toward Control. A presentation to the Respiratory and Allergic Disease Society of Hawaii, Honolulu, HI July 10, 2007.
251. Casale, T.B.: Differential Diagnosis and Treatment of Allergic Rhinitis. A symposium – Hawaiian Physicians Society, Honolulu, HI July 10, 2007.
252. Casale, T.B.: State of the Science: Emerging Issues in Basic Asthma – Research Leading to Optimal Treatment of Allergic Asthma. Hawaiian Physicians Society, Honolulu, HI, July 10, 2007.

253. Casale, T.B.: Update on Omalizumab/Anti-IgE Therapy. Presentation at Southeastern Allergy, Asthma and Immunology Society Annual Meeting, Williamsburg, VA October 5, 2007.
255. Casale, T.B.: The Future of SIT is in Better Adjuvants (CpG, anti-IgE etc.) Presentation at World Allergy Congress, Bangkok, Dec. 2, 2007.
256. Casale, T.B., Lanier, R.Q.: Anti-IgE in Asthma and Rhinitis. Breakfast seminar presentation, World Allergy Congress, Bangkok, Dec. 3, 2007.
257. Casale, T.B.: Anti-IgE – A Role in Immunotherapy Beyond Asthma. Presentation at the Biotherapeutics Symposium, World Allergy Congress, Bangkok, Dec. 3, 2007.
258. Casale, T.B.: Epidemiology (Asthma, Rhinitis, Upper Airways, Urticaria & Anaphylaxis) Break out session , EAACI and AAAAI PRACTALL 2008 meeting, Barcelona, Spain. February 15, 2008.
259. Casale, T.B.: Epidemiology, summing up (Asthma, Rhinitis and Upper Airways) at a break-out session at the EAACI and AAAAI PRACTALL 2008 meeting, Barcelona, Spain, February 15, 2008.
260. Casale, T.B.: Introduction - “Bronchoconstriction, Allergy and Asthma in Sports and Exercise”. Presentation (in a meeting format) of previous working documents from group members of PRACTALL 2008, EAACI and AAAAI PRACTALL 2008 meeting, Barcelona, Spain, February 15, 2008.
261. Casale, T.B.: Asthma Treatment. Break-out session at EAACI and AAAAI PRACTALL 2008 meeting, Barcelona, Spain, February 16, 2008.
262. Casale, T.B.: “New Biologics for the Treatment of Allergic Diseases” Invited speaker at the Southeastern Allergy Society dinner, Louisville, KY, April 9, 2008.
263. Casale, T.B.: “Urticaria and Angioedema Update” Presentation at University of Louisville School of Medicine noon conference. Louisville, KY April 10, 2008.
264. Casale, T.B. “Why Patients Do Not Respond to the Asthma Therapies”. Presentation as Visiting Professor at University of Louisville Grand Rounds, Louisville, KY., April 10, 2008.
265. Casale, T.B.: “Approaches to Immunomodulation in Allergic Diseases” – Presentation at the afternoon session, American Thoracic Society, Toronto, Canada , May 15, 2008.
266. Casale, T.B.: Invited Chair of Session # 5 “Collaboration between AAAAI and NIH for building capacity to control asthma. Can this experience be shared with other countries?” at the World Health Organization (WHO) Annual Congress, May 31, 2008, Istanbul, Turkey.
267. Casale, T.B.: Immunomodulators for Allergic Diseases. Presentation at the 15th Annual Norman A. Sterrie Allergy Lecture, Park Nicollet Clinic, St Louis Park, MN, Oct. 7, 2008.
268. Casale, T.B.: “Practical Aspects of Immunomodulators for Allergic Diseases”. Meet the Professor Breakfast, Sunday , November 9, 2008 at the American College of Allergy, Asthma and Immunology annual meeting, Seattle, WA.

269. Casale TB: Immunomodulators: Novel Approaches to the treatment of asthma and allergic diseases. Presentation at the Broward County Medical Society, Ft. Lauderdale, FL., February 20, 2009.
270. Casale, T.B.: "Translational Research in Asthma: Panel Discussion" Workshop presentation at the American Academy of Allergy, Asthma & Immunology Annual Meeting, Washington, DC, March 14, 2009.
271. Casale, T.B.: ADT Interest Section Forum "Pro/Con Debate: All Conflicts of Interest in the Relationship of Industry and Academia Should be Avoided", at the American Academy of Allergy, Asthma & Immunology Annual Meeting, Washington DC, March 15, 2009.
272. Casale, T.B.: "Effects of Allergen Immunotherapy and Omalizumab on Molecular and Cellular Mechanisms of Inflammation", at a Symposium at the American Academy of Allergy, Asthma & Immunology Annual Meeting in Washington, DC, March 17, 2009.
273. Casale, T.B.: Basic Immunology of Allergic and Immunologic Diseases. Presentation at the First Middle East-Asia Allergy Asthma Immunology Congress, Dubai Festival City, Dubai, United Arab Emirates, March 26-29, 2009.
274. Casale, T.B.: Allergic Conjunctivitis. Fall Symposium Program, Los Angeles Society of Allergy, Asthma and Clinical Immunology (LASAACI) meeting, Los Angeles, CA September 26, 2009.
275. Casale, T.B.: Chronic Rhinosinusitis and Nasal Polyposis. Fall Symposium Program, Los Angeles Society of Allergy, Asthma and Clinical Immunology (LASAACI) meeting, Los Angeles, CA September 26, 2009.
276. Casale, T.B.: Conflict of Interest and Integrity in Academics and Practice. Panel discussion at the New England Society of Allergy Fall Meeting, Boston, MA., October 24, 2009.
277. Casale, T.B.: Use of Immunomodulators for Asthma and Other Allergic Diseases. The Monroe Coleman Memorial Lecture, New England Society of Allergy Fall Meeting, Boston, MA., October 25, 2009.
278. Casale, T.B.: Potential Non-Asthma Uses for Anti-IgE Monoclonal Antibody Therapy. New England Society of Allergy Fall Meeting, Boston, MA., October 25, 2009.
279. Casale, T.B.: Asthma genotypes and the environment: Can we explain why patients have a variable response to different pharmacotherapies? Presented at the ACAAI Annual Meeting, session: Asthma Heterogeneity: Asthma is Not a Cookie-Cutter Disease, November 8, 2009, Miami Beach, FL.
280. Casale, T.B.: Severe asthma in adults. Presentation at the Meet the Professor Breakfast, ACAAI Annual Meeting, Miami Beach, FL, November 8, 2009.
281. Casale, T.B.: Unmet Needs and Future Perspectives. Presented at a Special Session, World Health Organization (WHO) Working Group "WHO definition of severe/uncontrolled asthma". At the XXI World Allergy Congress, December 9, 2009, Buenos Aires, Argentina.
282. Casale, T.B.: "Immunomodulators for Asthma". At the Sister Society Symposium "Immunomodulators", at the XXI World Allergy Congress, December 9, 2009, Buenos Aires, Argentina.

283. Casale, T.B.: Tenure vs Non-Tenure Track. FIT Lunch Symposium, AAAAI Annual Meeting, New Orleans, LA February 26, 2010.
284. Casale, T.B.: How cells respond to immunotherapy changing their genetic expression. Symposium presentation at AAAAI Annual Meeting, New Orleans, LA February 28, 2010.
285. Casale, T.B.: Reports from the WAO-SLIT Summit 2009 at the AAAAI Annual Meeting, New Orleans, LA, March 1, 2010.
286. Casale, T.B.: Immunotherapy in Allergic Rhinitis/Asthma. Jerry Dolovich MD, Memorial Lectureship, 27th Annual Symposium Allergy Update 2010 - Toronto, Ontario April 17, 2010.
287. Casale, T.B.: Anti-IgE Role in Allergic Rhinitis and Asthma. 27th Annual Symposium, Allergy Update 2010 – Toronto, Ontario, April 17, 2010.
288. Casale, T.B.: Immunomodulatory Therapy in Allergic Diseases. Andrew Grant, MD, Honorary Lectureship, 12th Annual TAAIS Allergy for the Allergist Program, Ft. Worth, TX May 1, 2010.
289. Casale, T.B.: Co-Chair of the AAAAI Symposium – Alternative Treatment Options for Allergic and Immunologic Conditions: What is the Data? Monday, June 8, 2010 EAACI Annual Meeting, London, England.
290. Casale, T.B.: Inhaled Corticosteroid/Long Acting Beta Adrenergic Agonists vs Inhaled Corticosteroids for Persistent Asthma. AAAAI Symposium, Monday, June 8, 2010, EAACI Annual Meeting, London, England.
291. Casale, T.B.: FDA Labeling Requirements for Omalizumab. HEDQ Interest Section Forum: Asthma Therapies and the FDA. Presentation at the AAAAI Annual Meeting, Sunday, March 20, 2011, San Francisco, CA.
292. Casale, T.B.: Complementary and Alternative Medicine is Useful Adjunctive Therapy for Allergic Disorders. Pro/Con Debate at AAAAI Annual Meeting, Tuesday March 22, 2011, San Francisco, CA.
293. Casale, T.B.: Physiology of Small Airway Disease. WAO Symposium, EAACI Annual Meeting, Istanbul, Turkey June 12, 2011.
294. Casale, T.B.: Asthma Biophysiology. Keynote Guest Lecture, Clinical Allergy for the Practicing Physician, Washington University, St. Louis, MO. August 12, 2011.
295. Casale, T.B.: Update on Omalizumab. Keynote Guest Lecture, Clinical Allergy for the Practicing Physician, Washington University, St. Louis, MO August 13, 2011.
296. Casale, T.B.: Asthma update on the practice parameters. A presentation at the Asthma and Allergy Foundation of America, Alaska Chapter's 6th Annual Asthma and Allergy Conference, September 24, 2011, Anchorage, AK.
297. Casale, T.B.: Vitamin D: The role in allergy and asthma. A presentation at the Asthma and Allergy Foundation of America, Alaska Chapter's 6th Annual Asthma and Allergy Conference, September 24, 2011.

298. Casale, T.B.: Immunomodulators for Allergic Diseases. Presentation at the Gail G. Shapiro Memorial Lecture, 2011 Northwest Allergy Forum, October 22, 2011, Portland OR.
299. Casale, T.B.: Small Airway Disease in Asthma: How to Assess and is it Important? Northwest Allergy Forum, October 22, 2011, Portland, OR.
300. Casale T.B.: Adjuvants, Allergoids and Immunomodulators. Presented at the Immunotherapy Conference, American College of Allergy, Asthma, Immunology Annual Meeting, November 2, 2011, Boston, MA.
301. Casale T.B.: Immune Tolerance – Diet and Supplement Intervention. American College of Allergy, Asthma and Immunology Annual Meeting, November 4, 2011, Boston, MA.
302. Casale, T.B.: Pleotropic Effects of IgE inhibition. Molecular pathways and treatment strategies in asthma and COPD, Southampton, UK, February 16, 2012.
303. Casale, T.B.: Future of Inhalant Allergen Immunotherapy. Presented at course: At the Allergy Diagnostics and Immunotherapy: Nuts, Bolts, the Science and the Art (Part 2) course 1605, AAAA&I Annual Meeting, Orlando FL., March 2, 2012.
304. Casale, T.B.: What is IgE? at the AAAA&I Annual Meeting, Orlando, FL, March 3, 2012.
305. Casale, T.B.: Overview of Asthma IQ Program. Presentation at Hands-on Workshop: Achieving Part IV MOC Credit Using the ASTHMA IQ Module, AAAA&I Annual Meeting, Orlando, FL, March 3, 2012.
306. Casale, T.B.: LABAs: The Good, Bad and Ugly. Presentation at a symposium: Evidence-based approach to asthma step down: ICS or LABA course, AAAA&I Annual Meeting, Orlando, FL, March 6, 2012.
307. Casale, T.B.: New therapeutic targets for allergic diseases. Presentation at the Allergic Disease Forum, April 28, 2012, Tokyo, Japan.
308. Casale, T.B.: Management of refractory chronic urticaria. Presentation at Medical Grand Rounds, 40th Annual 2012 KAAACI Annual International Congress and East Asia Allergy Symposium, Seoul Korea, May 25, 2012.
309. Casale, T.B.: The clinical management of HDM allergic disease – what does the evidence show? Presentation at Hot Topic 1 – Company Sponsored Symposium, EAACI Annual Meeting, Geneva, June 17, 2012.
310. Casale, T.B.: Future Immunotherapies for Allergic Diseases. Long Island Allergy and Asthma Society 19th Annual Meeting, Montauk, NY September 8, 2012.
311. Casale, T.B.: Complementary and Alternative Therapies for Asthma and Allergies. Long Island Allergy and Asthma Society 19th Annual Meeting, Montauk NY, September 9, 2012.
312. Casale, T.B.: Presidential Plenary: Immune tolerance and allergy: Can we produce true tolerance? Presentation at AAAA&I 2013 Annual Meeting, San Antonio TX, February 23, 2013.

313. Casale, T.B.: Molecular Allergy: Emerging concepts for the practicing allergist: Relevant Sensitizing Allergens and Optimizing SLIT. Presentation at AAAA&I Annual Meeting, San Antonio TX, February 25, 2013.
314. Casale, T.B.: Allergen Immunotherapy or Omalizumab in Asthma: When to Use Which? Leader, Primary Discussion session at AAAA&I 2013 Annual Meeting, San Antonio TX, February 25, 2013.
315. Casale, T.B.: Biologicals in the 21st Century. Presentation at Novel Treatments of the 21st Century Session, at the World Immune Regulation Meeting VII March 15, 2013, Davos, Switzerland.
316. Casale, T.B.: Role of RGS2 in the pathogenesis of airway hyperresponsiveness in asthma and COPD. Immunology Visiting Professor presentation at Cleveland Clinic, Cleveland, OH June 4, 2013.
317. Casale, T.B.: Immune Modulators. Presentation at Rheumatology Morning Conference, Cleveland Clinic, Cleveland, OH June 5, 2013.
318. Casale, T.B.: Case Presentation with Fellows at Cleveland Clinic, Cleveland, OH June 5, 2013.
319. Casale, T.B.: Future of Allergy. Presentation to Cleveland Allergy Society, Nighttown, OH June 5, 2013.
320. Casale TB. Urticaria and Angioedema: How to make rash decisions! Internal Medicine Grand Rounds. USF Morsani College of Medicine. February, 2014.
321. Casale TB. Allergen Immunotherapy or Omalizumab in Asthma. Presented as a seminar at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
322. Casale TB. SLIT: Implementation in Your Practice. Presented as a symposium at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
323. Casale TB. The Next Step After ICS/LABA. Presented as a symposium at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
324. Casale TB. Pathophysiology of Chronic Urticaria. Presented as The ARTrust and Stephen D Lockey named lecture at the American Academy of Allergy Asthma and Immunology meeting, March, 2014. San Diego.
325. Casale TB. Update on Refractory Urticaria Management. Betty Wray lectureship. Georgia Allergy and Immunology annual society meeting. April, 2014. Atlanta.
326. Casale TB. Chronic urticaria pathophysiology. Eastern Allergy annual conference. May, 2014. Palm Beach.
327. Casale TB. Selection of patients for SLIT vs. SCIT. Eastern Allergy annual conference. May, 2014. Palm Beach.
328. Casale TB. AAAAI Symposium Chronic idiopathic/spontaneous urticaria: Europe & United States views: What are the appropriate management steps for H1 antihistamine (licensed

- dose) resistant patients? American view. Presented at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
329. Casale TB. Asthma treatment: beyond guidelines: Biologicals. Presented as a symposium at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
330. Casale TB. What could be the role for anticholinergics in treating asthma patients? Presented as a symposium at the European Academy of Allergy and Clinical Immunology meeting, June, 2014. Copenhagen.
331. Casale, TB. Immunomodulators and severe asthma. Florida Allergy Asthma and Immunology meeting, July, 2014.
332. Casale, TB. Anti-IgE therapy for allergic respiratory diseases. International symposium on immunotherapy and biologics. September, 2014. Mexico City, Mexico.
333. Casale, TB. Omalizumab in the approach to anti-histamine resistant chronic urticaria. International symposium on immunotherapy and biologics. September, 2014. Mexico City, Mexico.
334. Casale, TB. Asthma Diagnosis and Treatment. Update in Allergy and Immunology. October, 2014. Tampa, FL.
335. Casale, TB. Mast Cells and Mast Cell Diseases. Update in Allergy and Immunology. October, 2014. Tampa, FL.
336. Casale, TB. Allergen Immunotherapy or Omalizumab in Asthma: When to Use Which? American Academy of Allergy Asthma and Immunology meeting, March, 2015. Houston.
337. Casale, TB. Why Does Allergy Lag Behind Rheumatology in Approved Biotech Drugs? American Academy of Allergy Asthma and Immunology meeting, March, 2015. Houston
338. Casale TB. Characterization of Asthma Endotypes: Implications for Therapy. American College of Allergy Asthma and Immunology meeting, November 2015. SanAntonio.
339. Casale TB. Novel Therapies for Chronic Urticaria and Angioedema. American College of Allergy Asthma and Immunology meeting, November 2015. SanAntonio
338. Casale, TB. Plenary: Immunoglobulin E: The First 50 Years and Beyond - Role and Limitations of IgE in Diagnosis and Treatment of Allergic Disease. American Academy of Allergy Asthma and Immunology meeting, March, 2016. LosAngeles.
339. Casale, TB. Multiallergen vs. single allergen immunotherapy in SLIT vs. SCIT. Eastern Allergy annual conference. May, 2016. Palm Beach.
340. Casale, TB. Chronic urticaria: New pathophysiologic insights. Eastern Allergy annual conference. May, 2016. Palm Beach.

341. Casale TB. Cytokine families and receptors as targets for treatment in severe asthma. Presented as a symposium at the European Academy of Allergy and Clinical Immunology meeting, June, 2016. Vienna.
342. Casale TB. The Biology and Role of Eosinophils in Uncontrolled Asthma. Presented as a symposium at the European Academy of Allergy and Clinical Immunology meeting, June, 2016. Vienna.
343. Casale TB. New Immunotherapy Options on the Horizon. Presented at the Florida allergy asthma and immunology society annual meeting, June, 2016. Orlando Florida.
344. Casale TB. Biologics for Asthma and Allergic Disease: What's New? Presented at the Florida allergy asthma and immunology society annual meeting, June, 2016. Orlando Florida.
345. Casale TB. Precision asthma therapy: Picking the Right Biologic for the Right Patient. Presented at The Life Spectrum of Asthma, July, 2016. Chicago Illinois.
346. Casale TB. The Biology and Role of Eosinophils in Severe Asthma. Presented at the Southeastern Allergy Asthma And Immunology Society Annual Meeting, September, 2016, Destin, FL.
347. Casale T. Which T2 Biologic is Best Suited for GINA 4-5 Non-responders? Anti-IgE. American College of Allergy Asthma and Immunology meeting, November 2017. Boston.
348. Casale T. Biologics for Severe Asthma. Paul-Ehrlich Symposium. Germany.
348. Casale T. E-Cigarettes: What's the Harm?. American Academy of Allergy Asthma and Immunology meeting, March, 2018. Orlando.
349. Casale T. Biologics and Biomarkers for Asthma, Chronic Urticaria and Nasal Polyposis. American Academy of Allergy Asthma and Immunology meeting, March, 2018. Orlando.
350. Casale T. Targeting Mast Cells in Asthma and Other Allergic Diseases. American Academy of Allergy Asthma and Immunology meeting, March, 2018. Orlando.
351. Casale T. IL-4/-13 Blockers for Allergic diseases. November, 2018. Genoa.
352. Casale T. Similarities and Differences Between the International Urticaria Guidelines and the Joint Task Force Guidelines. American Academy of Allergy Asthma and Immunology meeting, March, 2019, San Francisco.
353. Casale T. The Severe Asthma Patient with Eosinophilic Phenotype Should Always Be Treated with Anti-Interleukin-5 Therapies, Con. American Academy of Allergy Asthma and Immunology meeting, March, 2019, San Francisco.
354. Casale T. Beyond Asthma: Biologics in Adults. American College of Allergy Asthma and Immunology meeting, November, 2019, Houston.
355. Casale T. Pro/Con Debate Eosinophil Overrides Immunoglobulin E (IgE) in Selecting Biologic Therapy. AAAAI 2020 Annual Meeting Virtual.
356. Casale T. 2. Personalized Asthma Care: The Use Of Biologics. EAACI 2020 Annual Meeting Virtual.

357. Casale T. 2020 Southeast Allergy Asthma and Immunology Virtual Meeting: Biologics for Asthma; and Biologics for Non-Asthma Disease.
358. Casale T 2020 Virtual Northwest Allergy Forum. Novel Therapeutics is Severe Asthma.
359. Casale T 2020 American Academy of Otolaryngology Allergy annual meeting. One-on-One Interview on therapies for upper airway diseases; and "Moment of Truth Debate".
360. Casale T American College of Chest Physicians: CHEST 2020. Comorbidities in Severe Eosinophilic Asthma.
361. Casale T. American College of Allergy Asthma and Immunology 2020 virtual annual meeting. Navigating Current Asthma Choices.
362. Casale T .Personalized Medicine Applications in Allergic Diseases. Florida Allergy Asthma and Immunology Society 2021 annual meeting. Orlando, FL.
363. Casale T. Biologicals Update. Florida Allergy Asthma and Immunology Society 2021 annual meeting. Orlando, FL.
364. Casale T. Who's on First? Research, Biologicals & Personalized Medicine. Florida Allergy Asthma and Immunology Society 2021 annual meeting. Orlando, FL.
365. Casale T. Targeted Therapies for Specific Asthma Phenotype American College of Allergy Asthma and Immunology meeting, 2021 annual meeting, New Orleans, LA.
366. Casale T. Approach To Switching Biologic Therapy And The Concept Of Multiple Therapies. Virtual presentation. . American Academy of Allergy Asthma and Immunology meeting, 2022 annual meeting, Phoenix, AZ, Feb 2022.
367. Casale T. JAK and Atopic Diseases. American Academy of Allergy Asthma and Immunology meeting, 2022 annual meeting, Phoenix, AZ, Feb 2022..

J. Courses/Programs Directed

1. Organized and was Director for a two-day CME Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," November 13-14, 1986, Iowa City, IA. Sponsored by The University of Iowa College of Medicine.
2. Organized and directed a two-day Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," October 1-2, 1987, Iowa City, IA. Sponsored by The University of Iowa College of Medicine.
3. Organized and was Moderator for a Workshop Entitled, "Evaluation and Management of Physical Urticarias," at the 44th Annual Meeting of the American Academy of Allergy, Asthma and Immunology , Anaheim, CA, March, 1988.
4. Co-organized and Co-moderated a Postgraduate Course Entitled, "Pathogenesis, Treatment, and Diagnosis of Asthma," at the Annual Meeting of the American Thoracic Society, Las Vegas, NV, May, 1988.

5. Organized and was Co-moderator for a Symposium Entitled, "Neuropeptides in the Pathogenesis of Lung Inflammation," at the Annual Meeting of the American Thoracic Society, Las Vegas, NV, May, 1988.
6. Organized and was Director for a two-day Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," November 3-4, 1988, Iowa City, IA. Sponsored by the University of Iowa College of Medicine.
7. Organized and was Moderator for Workshop Entitled "Guide to Physical Urticarias" at the 45th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Antonio, Texas, February, 1989.
8. Organized and was Director for a Postgraduate Course in Immunology at the 45th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Antonio, Texas, February, 1989.
9. Organized and was Moderator for a Workshop Entitled, "Chronic Urticaria: Diagnosis and Management" at the 46th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Baltimore, Maryland, March, 1990.
10. Director for the Postgraduate Courses at the 46th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, Baltimore, Maryland, March, 1990.
11. Organized and was Co-moderator for a Symposium Entitled "Mechanisms of Asthma" at the Annual Meeting of the American Thoracic Society, Boston, Massachusetts, May, 1990.
12. Organized and was Co-moderator for a Symposium Entitled "New Treatments in Asthma" at the Annual Meeting of the American Thoracic Society, Boston, Massachusetts, May, 1990.
13. Organized and was Director for a one-day Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," October 12, 1990, Iowa City, Iowa. Sponsored by The University of Iowa College of Medicine.
14. Organized and was Moderator for a Workshop Entitled, "Chronic Urticaria" at the 47th Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San Francisco, California, March, 1991.
15. Organized and was Co-Moderator for a Symposium Entitled, "Inflammatory Mediators, - Neuropeptides and Asthma" at the Annual Meeting of the American Thoracic Society, Anaheim, California, May, 1991.
16. Organized and was Co-Moderator for a Postgraduate Course Entitled, "Advances in Asthma" at the Annual Meeting of the American Thoracic Society, Anaheim, California, May, 1991.
17. Organized and was Director for a one-day Course Entitled: "Current Topics in Clinical and Pulmonary Immunology," Sponsored by The University of Iowa College of Medicine, Iowa City, Iowa, September 27, 1991.
18. Organized and was Moderator for a Workshop Entitled: "Urticaria and Angioedema," at the 48th Annual Meeting of the American Academy of Allergy, Asthma & Immunology, Orlando, Florida, March, 1992.

19. Organized and was Co-Moderator for a Post-Graduate Course Entitled: "Asthma Update," at the Annual Meeting of the American Thoracic Society, Miami Beach, Florida, May, 1992.
20. Organized and was Co-Moderator for a Symposium Entitled: "Newer Therapies for Asthma," at the Annual Meeting of the American Thoracic Society, Miami Beach, Florida, May, 1992.
21. Organized and was Director for a one-day Course Entitled: "Current Topics in Clinical and Pulmonary Immunology," Sponsored by the University of Iowa College of Medicine, Iowa City, Iowa, October 9, 1992.
22. Organized and was Co-moderator for a Postgraduate Course Entitled: "Asthma Management: Costs and Concerns," at the Annual Meeting of the American Thoracic Society, San Francisco, CA May, 1993.
23. Organized and was Co-moderator for a Symposium Entitled: "Controversies in Chronic Asthma Management," at the Annual Meeting of the American Thoracic Society, San Francisco, CA May, 1993.
24. Organized and Directed a Symposium Entitled: "Current Issues in Allergic Diseases" at the Annual Meeting of the American College of Allergy and Immunology, Atlanta, GA November 14, 1993.
25. Organized and was Co-moderator for a Postgraduate Course Entitled: "Asthma: Challenging Issues in Pathogenesis and Treatment," Sponsored by the American Thoracic Society, Orlando, FL January 8-9, 1994.
26. Organized and was Co-Chair for Postgraduate Course Entitled: "Asthma: Pathogenesis and Therapy," Sponsored by the American Thoracic Society, Boston, MA May 21, 1994.
27. Organized and was Co-Chair for American Academy of Allergy, Asthma and Immunology Distinguished Lecture Series, "Controversies in Asthma Pathogenesis," Sponsored by the American Thoracic Society, Boston, MA May 22, 1994.
28. Organized and was Co-Chair for an Evening Postgraduate Seminar, "New Therapies for Asthma," Sponsored by the American Thoracic Society, Boston, MA, May 22, 1994.
29. Organized and was Director for a one-day Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," Sponsored by the University of Iowa College of Medicine, Iowa City, IA, September 30, 1994.
30. Organized and was Chair for Distinguished Lecture Series Symposium on Lung Diseases in Immunocompromised Patients, American College of Chest Physicians Scientific Meeting, New Orleans, LA, November 3, 1994.
31. Co-Chairman of the Conjoint Planning Committee and Moderator for Literature Review for the 1995 ABAI Exam, Sponsored by the American College of Allergy & Immunology and the American Academy of Allergy, Asthma and Immunology, Chicago, IL, April 6-9, 1995.
32. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled: "Asthma: Airway Biology and Clinical Questions," at the American Thoracic Society Annual Meeting, Seattle, WA, May 20, 1995.

33. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled: "Asthma: Therapy: The Present and the Future," at the American Thoracic Society Annual Meeting, Seattle, WA, May 23, 1995.
34. Organized and Moderator of a Symposium Entitled, "Mediators" for Joint Conference (Asthma '95 Theory to Treatment) Sponsored by the American Academy of Allergy & Immunology and the American Thoracic Society, Chicago, IL., July 16, 1995.
35. Moderator for a one-day Course Entitled, "Current Topics in Clinical and Pulmonary Immunology," Sponsored by the University of Iowa College of Medicine, Iowa city, IA, October 20, 1995.
36. Organized and Co-moderated the Asthma Consultant Course Entitled: "Controversial Safety Issues in Asthma Therapy" at the American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, March 20, 1996.
37. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled: "Asthma Update: Pathogenesis and Therapy," at the American Thoracic Society Annual Meeting, New Orleans, LA, May 11, 1996.
38. Organized and Moderated a Symposium Entitled: "Inhaled Steroids: Pharmacology, Pharmacokinetics and Clinical Applications" at the American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, California, February 24, 1997.
39. Co-organized and Co-moderated the Asthma Consultant Course Entitled: "Risks and Benefits of Asthma Therapies: Addressing the Bookends of the Patient Population" at the American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, California, February 26, 1997.
40. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled: "Update on Asthma Management Issues", at the American Thoracic Society Annual Meeting, San Francisco, California, May 17, 1997.
41. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled "Pediatric Asthma: Controversies In Management", at the American Thoracic Society Annual Meeting, San Francisco, California, May 20, 1997.
42. Organized and was Program Chair and Co-moderator for an American Thoracic Society Workshop Entitled "Immunobiology of Asthma and Rhinitis", Montreal, Canada, June 19 & 20, 1997.
43. Chairman, Asthma Management in the Primary Care Setting: A Regional Postgraduate Course in Princeton, New Jersey, December 10, 1997. Sponsored by The American Thoracic Society.
44. Co-organized and Co-moderated the Asthma Consultants' Course Entitled: "Controversial Issues in the Management of Persistent Asthma" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Washington, D.C., March 18, 1998.
45. Organized and was Program Chair and Moderator for a Post-Graduate Course Entitled: "Update on Asthma" at the American Thoracic Society Annual Meeting in Chicago, Illinois, April 24, 1998.

46. Co-organized and Co-moderated a Symposium Entitled: "Antileukotrienes in the Treatment of Asthma" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Orlando, Florida, March 2, 1999.
47. Co-organized and Co-moderated the Asthma Consultants' Course Entitled: "Controversies in the Use of Inhaled Steroids for the Treatment of Rhinitis and Asthma: A Debate" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in Orlando, Florida, March 3, 1999.
48. Co-organized and Co-moderated a Postgraduate Course Entitled: "Asthma Update: Airway Inflammation and Therapy Issues" at the American Thoracic Society Annual Meeting in San Diego, California, April 23, 1999.
49. Co-organized and Co-moderated a Symposium Entitled: "Relationship of Rhinitis to Asthma: United Airways?" at Asthma '99, Theory to Treatment, Honolulu, Hawaii May 1, 1999.
50. Organized and Moderated a Symposium Entitled: "Neurogenic Mechanisms" at Asthma '99, Theory to Treatment in Honolulu, Hawaii May 2, 1999.
51. Co-organized and Moderated a Symposium Entitled: "The Use of Inhaled Corticosteroids in Asthma: Improving Treatment Goals for the Millenium" at the American College of Allergy, Asthma and Immunology Annual Meeting, Chicago, IL November 13, 1999.
52. Organized and Moderated a Symposium Entitled: "Novel Therapies in Allergic Disease" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in San Diego, CA March 5, 2000.
53. Co-organized and Co-moderated the Asthma Consultants' Course entitled: "Controversial Issues in Asthma Management: A Debate", at the American Academy of Allergy, Asthma and Immunology Annual Meeting in San Diego, CA March 8, 2000.
54. Co-organized and Co-moderated a Postgraduate Course entitled: "Asthma Update: The Natural History of Asthma" at the American Thoracic Society Annual Meeting in Toronto, Canada May 5, 2000.
55. Co-organized and co-moderated symposium entitled: "Airway Smooth Muscle: Contribution to Airway Inflammation in Asthma" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in New Orleans, LA March 17, 2001.
56. Organized and Moderated a Symposium entitled: "Future Therapies for Asthma" at the American Academy of Allergy, Asthma and Immunology Annual Meeting in New Orleans, LA March 21, 2001.
57. Co-Organized and co-moderated a Postgraduate Course entitled: "Asthma Update: Asthma Therapies of the Future" at the American Thoracic Society Annual Meeting in San Francisco, CA May 18, 2001.
58. Organized and moderated a symposium entitled: "Airway Inflammation: New Advances & Approaches in Treatment" at the ACAAI Annual Meeting in Orlando, FL., Nov. 18, 2001.
59. Co-organized and co-moderated a symposium entitled: "New Treatments in Asthma" at the AAAA&I Annual Meeting, March 4, 2002, New York, NY.

60. Co-organized and co-moderated a symposium entitled: "Clinical Year in Review" at the AAAA&I Annual Meeting, March 4, 2002, New York, NY.
61. Co-organized and Chaired a National Roundtable, "The Antihistamine Impairment Roundtable", July 25-27, 2002, Chicago, IL.
62. Organized and chaired a symposium entitled: "Therapeutic Implications of IgE Immunmodulations" at the ACAAI Annual Meeting, November 9, 2003, New Orleans, LA.
63. Casale, T.: "Practical Aspects of Targeting IgE". Moderator at a Workshop, Presented at AAAAI Annual Meeting, San Francisco, CA March 22, 2004.
64. Casale, T.B.: "Rethinking Asthma Control: What Is It and Can It Be Achieved?" Moderator/Chair, Symposium at ACAAI Annual Meeting, Anaheim, CA November 7, 2005.
65. Casale, T.B.: Co-chair and organizer for World Allergy Organization 2nd International Immunotherapy Day, Dec. 6, 2009, Buenos Aires, Argentina.
66. Casale T.B.: Co-chair AAAAI Symposium: Alternative Treatment Options for allergic and Immunologic Conditions: What is the data? EAACI Annual Meeting, June 7, 2010 London, England.
67. Casale, TB. Course co-director. Update in Allergy and Immunology. October, 2014. Tampa, FL.
68. Casale, TB. Course co-director. The Life Spectrum of Asthma. July 29-31, 2016. Chicago, IL.
69. Casale TB. Course Co-Director. Food Allergy. Florence. November, 2019.