
Jean Bismuth, MD

Tampa, FL

Well respected and experienced physician with over 20 years of service in the medical field. Highly skilled, compassionate surgeon who is committed to providing quality care and service to all his patients. Innovative investigator with the unique ability to work across specialties allowing for a broader scope of research. Passionate educator who strives to create positive learning environments for trainees, staff and patients alike.

SKILLS AND STRENGTHS

- Ability to develop and maintain strong rapport with patients, colleagues, referring physicians, hospital executives, and industry leaders
- Proven success in creating and implementing business plan for community outreach
- Accomplished in developing avenues of support for medical research
- Experienced in establishing educational resources: courses and simulation

PROFESSIONAL EXPERIENCE

Professor of Surgery

Chief, Division of Vascular Surgery

Medical Director, TGH Heart & Vascular Institute

**University of South Florida
Morsani College of Medicine**

**November 2023- Present
Tampa, Florida**

Medical Director Southwest Corridor

Houston Methodist Hospital System

August 2017 - 2022

Houston, Texas

Appointed to spearhead quality initiative. Assumed responsibility for developing business in a region consisting of four community hospitals.

- Tasked with implementation of Tertiary level care to community hospitals
- Develop centers of excellence in community hospitals
 - TAVR, Central Venous, Aortic, Limb Salvage, Vascular Malformation
- Recruit leading physicians and staff
- Establish new referral centers
- Expand educational programs to patients, residents, and staff

Attending Physician – Houston Methodist

Houston Methodist Hospital System

August 2008 – Present

Houston, Texas

- Clinical focus on Aortic, PAD, Extra-Cerebral Disease
- Research focus on Aortic Dissection, Venous Thrombosis, Simulation

- Coordinated with national and international fellows

Chief Medical Officer – Apella

August 2022 - Present

- AI technology for improved OR experience
- Work closely with engineering team
- Support luminary sites

San Francisco, California

Chief Medical Officer – IntelVasc

January 2023 – Present

- Implantable vascular sensors
- Wearables
- Remote monitoring

ACADEMIC POSITIONS AND APPOINTMENTS

Professor	Department of Surgery Division of Vascular Surgery Morsani College of Medicine University of South Florida	2023-Present
Associate Professor	Cardiovascular Surgery/Cardiothoracic Surgery Weil Cornell Medical College Houston Methodist Hospital	2016 - 2022
Associate Program Director	Cardiovascular Surgery Associates Houston Methodist Hospital	2014 - 2018
Adjunct Professor	Rice University/Department of Biosciences and Bioengineering	2017 - present
Associate Professor	Department of Surgery Division of Vascular and Endovascular Surgery Louisiana State University	2022 - present

EDUCATION

Vascular Surgery Fellowship	Baylor College of Medicine Michael E. DeBakey Department of Surgery Houston, Texas	7/2006 – 6/2008
General Surgery Residency	Department of Surgery The Brooklyn Hospital Center Brooklyn, New York	7/2001 - 6/2006
Research Fellow	Primary Investigator	3/2000 - 6/2001

Lipid Management for Peripheral Ischemia
Department of Vascular Surgery
Gentofte University Hospital
Hellerup, Denmark

Surgical Intern	Department of Vascular Surgery Gentofte University Hospital Hellerup, Denmark	3/1999 - 8/1999
Medical Intern	Department of Medicine Gentofte University Hospital Hellerup, Denmark	9/1999 - 3/2000
Doctor of Medicine	University of Copenhagen Panum Institutttet Copenhagen, Denmark	9/1995 - 1/1999
BA Psychology	Vassar College Poughkeepsie, New York	9/1985 - 5/1989

GENERAL INFORMATION

Office Address: 1331 W Grand Parkway N
Suite 130
Katy, TX 77493

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Alternate Email: jbismuth@yahoo.com

Citizenship: Citizen of United States and Denmark

Languages: Fluent: English, French, Danish
Proficient: Spanish, Italian, Swedish

License: Texas (2007 – current)

Board Certification: Vascular Surgery (2009 – current)
General Surgery (2007 – current)

HOSPITAL AFFILIATION/PRIVILEGES

Hospital Affiliations: Houston Methodist Hospital
Houston Methodist West Houston Hospital
Houston Methodist Sugarland Hospital
Houston Methodist Clearlake Hospital

ADMINISTRATIVE DUTIES

Medical Director of South Corridor Cardiovascular Department (Development of Vascular and Cardiac Surgery, Cardiology and CV Imaging for 4 community hospitals In Houston Methodist System)	9/2017 – 2/2022
IRB Board	2014 - 2016
Council of Chairs Committee, Houston Methodist Research Institute	2013 - present
Methodist Institute for Technology, Innovation, and Education (MITIE)	2011 - 2014
Core Users Group	
Departmental Meetings at Houston Methodist Hospital	2008 - 2022

PROFESSIONAL SOCIETIES

Society for Vascular Surgery **2007 - present**

Member	Wellness Taskforce	2018 – present
Coach	SVS Physician Coaching Program	2021 - present
Member	Appointments Committee	2017 - 2018
Member	Education Council	2012 - 2015

Society for Clinical Vascular Surgery **2007 - present**

Vice President	SCVS	2022-present
Secretary	SCVS	2018 - present
Chairman	Program Committee	2017 - 2018
Member	Program Committee	2015 - 2017
Co-Chairman	Fellows Symposium	2014 - 2018

Association of Program Directors in Vascular Surgery **2014 - present**

Member	Education Committee	2016 - 2017
Chairman	Committee for Fundamentals of Vascular & Endovascular Surgery	2015 - present
Member	Committee for Simulation and Education	2011 - 2017

Vascular and Endovascular Surgical Society **2007 - present**

Chairman	Woman and Diversity Committee	2012 - 2014
Chairman/Member	Bylaws Committee	2011 - 2013

European Society for Vascular Surgery **2000 - present**

Program Committee	European Society for Vascular Surgery	2011 - 2015
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American College of Surgeons **2005 - present**

American Medical Association **2004 - 2014**

INDUSTRY AND UNIVERSITY AFFILIATIONS

Acell	Cook Medical, Inc.
Medtronic	3D Systems/Simbionix
Syntactx	Volcano/Phillips
WL Gore & Associates	Rice University
University Medical Center Utrecht	Copenhagen University
University Hospital of Strasbourg	

EDUCATIONAL COURSES

Top Gun Challenge: Educator for Vascular Simulation

Cardiovascular Fellow's Bootcamp

Houston Methodist Finishing School

Aortic Symposium Advanced Skills Workshop for Cardiothoracic Fellows

Advanced IVC Filter Retrieval Course

Endoleak Embolization Course

Vascular Surgery Training Association of Houston (VASTAH)

JOURNAL REVIEWER

Reviewer	Circulation/Circulation Imaging	2015 - present
Reviewer	Journal of American College of Cardiology	2015 - present
Reviewer	Journal of Vascular Surgery	2010 - present
Reviewer	Annals of Vascular Surgery	2010 - present
Reviewer	Vascular and Endovascular Surgery	2010 - present
Reviewer	The Cochrane Collaboration	2001 - present
Reviewer	European Journal of Vascular & Endovascular Surgery	2000 - present
Reviewer/Editor	Methodist DeBakey Cardiovascular Journal	2015 - present
Co-Chairman	European Symposium on Vascular Biomaterials	2015 - present
Advisory Board	Pontresina Vascular Group International	2011 - present

RESEARCH

Multicenter retrospective core lab adjudicated evaluation of Zilver PTX	2017 - present
Evaluation of the GORE TAG Endoprosthesis in the treatment of DeBakey Type I/II Aortic Dissection (ARISE)	2016 - present
Anticoagulation in Aortic Dissection	2016 - present
In-Vivo Aortic Dissection (acute/chronic porcine model)	2015 - present
Ex-Vivo Type Aortic Dissection Model (flow/imaging validation)	2012 - present
Venous Thrombosis (porcine model)	2015 - present

ACell in Groin Complications	2014 - present
Rover Registry (Global PI)	2013 - 2016
Central Venous stenosis in dialysis IVUS (PI)	2012 - present
WL Gore Balloon Expandable Viabahn (Global PI)	2012 - present
National PI for Tachosil	2011 - present
MRA Perfusion Study of Lower Extremity	2010 - present
Flexible Robotics	2008 - present
Peripheral Arterial Disease	2008 - present
Dynamic imaging of aortic dissections	2008 - present

RESEARCH SUPPORT

NIH R01

Sponsor: National Institute of Health

Co-Investigator, **J Bismuth**

Dates: 8/2017-present

Amount: \$450,000

NSF Grant (Co-Investigator)

Sponsor: National Science Foundation

Co-Investigator, **J Bismuth**

Dates: 1/1/2017

Amount: \$300,000

AHA Beginning Grant in Aid (Sub-Investigator)

Sponsor: American Heart Association

Sub-investigator, **J Bismuth**

Dates: 2/3/2014 (2 1/2%)

Amount: \$140,000

Biomechanical Changes of Venous Thrombosis

Sponsor: Cook Medical

Investigator: **J Bismuth**

Dates: 4/1/2018 (2 year project)

Amount: \$250,000

Caroline Wiess Law Fund for Research in Molecular Medicine (Sub-investigator)

Sponsor: Society of Vascular Surgery

Sub-investigator, **J Bismuth**

Dates: 1/3/2014 (2%)

Amount: \$30,000

The RObotic Vascular & Endovascular Registry (ROVER)

Sponsor: Hansen

PI, **J Bismuth**

Dates: 10/20/2013-2016

Amount: \$5,500

Ex-vivo and In-vivo Modeling of Aortic Dissection

Sponsor: W.L. Gore & Associates, Inc.

PI, **J Bismuth**

Dates: 8/30/2013-present

Amount: \$85,825

Use of the ZenithA® Dissection Endovascular System in the Treatment of Patients with Acute, Complicated Type B Aortic Dissection

Sponsor: Cook, Inc.

PI, **J Bismuth**

Dates: 7/23/2013

Amount: \$7,500

The Validation of Simulation for Vascular Education in Endovascular Aortic Repair

Sponsor: Medtronic, Inc.

PI, **J Bismuth**

Dates: 4/30/2012

Amount: \$46,782

Performing 3 Dimensional Navigation Task with 2D vs. 3D Control Devices-Navigation in Robotic Catheter Control

Sponsor: Hansen

PI, **J Bismuth**

Dates: 6/28/2012-2017

Amount: \$41,806

Detection of Central Venous Stenosis in Hemodialysis Patients: A Comparison Between Intravascular Ultrasound and Traditional Venography

Sponsor: Volcano

PI, **J Bismuth**

Dates: 3/7/2012

Amount: \$87,500

Quantitative Analysis of Leg Muscle Perfusion in Peripheral Arterial Disease using Magnetic Resonance Imaging.

Sponsor: Society of Vascular Surgery

PI, **J Bismuth**

Dates: 1/01/2012-12/31/2013

Amount: \$14,253

PEER REVIEWED ARTICLES

1. Treil L, Neumann N, Chanes N, Lejay A, Bourcier T, **Bismuth J**, Lee JT, Sheahan M, Rouby AF, Chakfé N; Collaborators. Objective Evaluation of Clock Face Suture Using the Objective Structured Assessment of Technical Skill (OSATS) Checklist. *EJVES Vasc Forum*. 2022 Oct 18;57:5-11.
2. Katsarou M, Chinnadurai P, **Bismuth J**, Reardon MJ. Multimodality imaging and image guidance techniques for endovascular ascending aortic repair. *JTCVS Tech*. 2022 Aug 7;15:9-17.
3. Katsarou M, Auyang PL, Chinnadurai P, **Bismuth J**. "Octafen": A Noninvestigational Alternative Endograft Configuration for the Treatment of Thoracoabdominal Aortic Aneurysms. *J Endovasc Ther*. 2022 Jul 22.
4. Schwein A, Magnus L, Markovits J, Chinnadurai P, Autry K, Jenkins L, Barnes R, Vekilov DP, Shah D, Chakfé N, **Bismuth J**. Endovascular Porcine Model of Iliocaval Venous Thrombosis. *Eur J Vasc Endovasc Surg*. 2022 Apr;63(4):623-630.
5. **Bismuth J**, Katsarou M, Trimarchi S. Towards Tailored Imaging Surveillance for Type A Dissection? *J Am Coll Cardiol*. 2021 Nov 9;78(19):1872-1874.
6. Drudi LM, Mitchell EL, Chandra V, Coleman DM, Hallbeck MS, Mannoia K, Money SR, Brown KR; A gender-based analysis of predictors and sequelae of burnout among practicing American vascular surgeons. SVS Wellness Task Force. *J Vasc Surg*. 2022 Apr;75(4):1422-1430.
7. Bissacco D, Lomazzi C, Buongiovanni G, Magni A, Domanin M, Casana R, **Bismuth J**, VAN Herwaarden JA, Upchurch Jr GR Jr, Trimarchi S. COVID-19 and aortic disease: a practical systematic review of the literature on management and outcomes. *J Cardiovasc Surg (Torino)*. 2021 Dec;62(6):527-534.

8. **Bismuth J**, Katsarou M, Trimarchi S. Towards Tailored Imaging Surveillance for Type A Dissection? *J Am Coll Cardiol*. 2021 Nov 9;78(19):1872-1874.
9. Bissacco D, Lomazzi C, Buongiovanni G, Magni A, Domanin M, Casana R, **Bismuth J**, van Herwaarden JA, Upchurch GR Jr, Trimarchi S. COVID-19 and aortic disease: a practical systematic review of the literature on management and outcomes. *J Cardiovasc Surg (Torino)*. 2021 Sep 28.
10. Gimnich OA, Holbrook J, Belousova T, Short CM, Taylor AA, Nambi V, Morrisett JD, Ballantyne CM, **Bismuth J**, Shah DJ, Brunner G. Relation of Magnetic Resonance Imaging Based Arterial Signal Enhancement to Markers of Peripheral Artery Disease. *Am J Cardiol*. 2021 Feb 1;140:140-147.
11. Coleman DM, Money SR, Meltzer AJ, Wohlaer M, Drudi LM, Freischlag JA, Hallbeck S, Halloran B, Huber TS, Shanafelt T, Sheahan MG; SVS Wellness Task Force. Vascular surgeon wellness and burnout: A report from the Society for Vascular Surgery Wellness Task Force. *J Vasc Surg*. 2021 Jun;73(6):1841-1850.
12. Meershoek AJA, de Waard DD, Trappenburg J, Zeebregts CJ, Bulbulia R, Kappelle JIJ, de Borst GJ; Delphi consensus experts panel. Clinical Response to Procedural Stroke Following Carotid Endarterectomy: A Delphi Consensus Study. *Eur J Vasc Endovasc Surg*. 2021 Sep;62(3):350-357.
13. Belvroy VM, Zubair MM, van Herwaarden JA, Trimarchi S, Moll FL, **Bismuth J**. Important longitudinal and circumferential pulsatile changes in zone 0 of the aorta during the cardiac cycle. *Eur J Cardiothorac Surg*. 2020 Oct 1.
14. Belvroy VM, Romarowski RM, van Bakel TMJ, van Herwaarden JA, **Bismuth J**, Auricchio F, Moll FL, Trimarchi S. Impact of Aortic Tortuosity on Displacement Forces in Descending Thoracic Aortic Aneurysms. *Eur J Vasc Endovasc Surg*. 2020 Apr;59(4):557-564.
15. Belvroy VM, Murali B, Sheahan MG, O'Malley MK, **Bismuth J**. In the Fundamentals of Endovascular and Vascular Surgery model motion metrics reliably differentiate competency. *J Vasc Surg*. 2020 Dec;72(6):2161-2165.
16. Panneton JM, **Bismuth J**, Gray BH, Holden A. Three-Year Follow-up of Patients With Iliac Occlusive Disease Treated With the Viabahn Balloon- Expandable Endoprosthesis. *J Endovasc Ther*. 2020 Oct;27(5):728-736.
17. Schwein A, Magnus L, Chakfé N, **Bismuth J**. Critical Review of Large Animal Models for Central Deep Venous Thrombosis. *Eur J Vasc Endovasc Surg*. 2020 Aug;60(2):243-252.
18. Vowels TJ, Zubair MM, **Bismuth J**, Le L. Balloon-Assisted Ultrasound-Guided Percutaneous Thrombin Injection of Iatrogenic Femoral Artery Pseudoaneurysms: A Case Report and Description of the Technique. *Vasc Endovascular Surg*. 2020 Aug;54(6):532-535. doi: 10.1177/1538574420927861. Epub 2020 May 26.
19. Vowels TJ, Lu T, Zubair MM, Schwein A, **Bismuth J**. Evaluating a Novel Telescoping Catheter Set for Treatment of Central Venous Occlusions. *Ann Vasc Surg*. 2021 Apr;72:383-389.
20. Zubair MM, de Beaufort HWL, Belvroy VM, Schwein A, Irshad A, Mohamed A, Gomez LF, Chinnadurai P, Nabi F, Yang EY, Trimarchi S, Reardon MJ, **Bismuth J**. Impact of Cardiac Cycle on Thoracic Aortic

Geometry-Morphometric Analysis of ECG Gated Computed Tomography. *Ann Vasc Surg.* 2020 May;65:174-182. doi: 10.1016/j.avsg.2019.10.072. Epub 2019 Oct 31

21. Marocco-Trischitta MM, Rylski B, Schofer F, Secchi F, Piffaretti G, de Beaufort H, Belvroy V, Bismuth J, Czerny M, Trimarchi S. Prevalence of type III arch configuration in patients with type B aortic dissection. *Eur J Cardiothorac Surg.* 2019 Dec 1;56(6): 1075-1080.
22. van Bakel TM, de Beaufort HW, Trimarchi S, Marocco-Trischitta MM, **Bismuth J**, Moll FL, Patel HJ, van Herwaarden JA. Status of branched endovascular aortic arch repair. *Ann Cardiothorac Surg.* 2018 May;7(3):406-413.
23. Schwein A, Khan M, Bennett M, Chakfé N, Lumsden AB, **Bismuth J**, Shah DJ. Proposed Magnetic Resonance Imaging Criteria to Diagnose Intramural Haematoma and to Predict Aortic Healing after Acute Type B Aortic Syndrome. *Eur J Vasc Endovasc Surg.* 2019 Mar; 57(3):350-359.
24. de Beaufort HW, Shah DJ, Patel AP, Jackson MS, Spinelli D, Yang EY, Ghosn MG, Autry K, Igo SR, Lumsden AB, Little SH, Trimarchi S, **Bismuth J**. Four-dimensional flow cardiovascular magnetic resonance in aortic dissection: Assessment in an ex vivo model and preliminary clinical experience. *J Thorac Cardiovasc Surg.* 2019 Feb;157(2):467-476.e1.
25. Lumsden AB, **Bismuth J**. Current status of endovascular catheter robotics. *J Cardiovasc Surg (Torino).* 2018 Jun; 59(3):310-316.
26. Lu T, Yi SG, **Bismuth J**, Knight RJ, Gaber AO, Bechara CF. Short- and midterm results for internal jugular vein extension for short right renal vein kidney transplant. *Clin Transplant.* 2018 Jun 11.
27. Lumsden S, Rosta G, **Bismuth J**, Lumsden AB, Garami Z. Spontaneous Recanalization After Carotid Artery Dissection: The Case for an Ultrasound-Only Monitoring Strategy. Lumsden S, Rosta G, Bismuth J, Lumsden AB, Garami Z. *Methodist DeBakey Cardiovasc J.* 2017 Oct-Dec;13(4):243-247.
28. Lumsden AB, **Bismuth J**. Current status of endovascular catheter robotics. *J Cardiovasc Surg (Torino).* 2018 Feb 26.
29. de Beaufort HWL, Ferrara A, Conti M, Moll FL, van Herwaarden JA, Figueroa CA, **Bismuth J**, Auricchio F, Trimarchi S. Comparative Analysis of Porcine and Human Thoracic Aortic Stiffness. *Eur J Vasc Endovasc Surg.* 2018 Feb 2.
30. Schwein A, Chinnadurai P, Behler G, Lumsden AB, **Bismuth J**, Bechara CF. Computed tomography angiography-fluoroscopy image fusion allows visceral vessel cannulation without angiography during fenestrated endovascular aneurysm repair. *J Vasc Surg.* 2018 Jan 30.
31. **Bismuth J**, Reardon MJ. A step forward or running from risk? *J Thorac Cardiovasc Surg.* 2018 Mar;155(3):905-906.
32. Chopra AM, Mehta M, **Bismuth J**, Shapiro M, Fishbein MC, Bridges AG, Vinters HV. Polymer Coating Embolism from Intravascular Medical Devices – A Clinical Literature Review. *Cardiovasc Pathol.* 2017 Jun 22;30:45-54

33. **Bismuth J**, Gray BH, Holden A, Metzger C, Panneton J, on behalf of the VBX FLEX Study Investigators. Pivotal Study of a Next-Generation Balloon-Expandable Stent-Graft for Treatment of Iliac Occlusive Disease. *J Endovasc Ther*. 2017 Jul 1
34. Schwein A, Kramer B, Chinnadurai P, Virmani N, Walker S, O'Malley M, Lumsden AB, **Bismuth J**. Electromagnetic tracking of flexible robotic catheters enables "assisted navigation" and brings automation to endovascular navigation in an in vitro study. *J Vasc Surg*. 2017 Jun 2. S0741-5214(17).
35. Kim GY, Lawrence PF, Moridzadeh RS, Zimmerman K, Munoz A, Luna-Ortiz K, Oderich GS, de Francisco J, Ospina J, Huertas S, de Souza LR, Bower TC, Farley S, Gelabert HA, Kret MR, Harris EJ Jr, De Caridi G, Spinelli F, Smeds MR, Liapis CD, Kakisis J, Papapetrou AP, Debus ES, Behrendt CA, Kleinspehn E, Horton JD, Mussa FF, Cheng SWK, Morasch MD, Rasheed K, Bennett ME, **Bismuth J**, Lumsden AB, Abularrage CJ, Farber A. New predictors of complications in carotid body tumor resection. *Vasc Surg*. 2017 Jun;65(6):1673-1679. doi: 10.1016/j.jvs.2016.12.124
36. Owji S, Lu T, Loh TM, Schwein A, Lumsden AB, **Bismuth J**. Robotic-Assisted Inferior Vena Cava Filter Retrieval. *Methodist Debaque Cardiovasc J*. 2017 Jan-Mar;13(1):34-36. doi: 10.14797/mdcj-13-1-34.
37. Schwein A, Chinnadurai P, Shah DJ, Lumsden AB, Bechara CF, **Bismuth J**. Feasibility of three-dimensional magnetic resonance angiography-fluoroscopy image fusion technique in guiding complex endovascular aortic procedures in patients with renal insufficiency. *Vasc Surg*. 2017 May;65(5):1440-1452. doi: 10.1016/j.jvs.2016.10.083. Epub 2016 Dec 23.
38. Schwein A, Lu T, Chinnadurai P, Kitkungvan D, Shah DJ, Chakfe N, Lumsden AB, **Bismuth J**. Magnetic resonance venography and three-dimensional image fusion guidance provide a novel paradigm for endovascular recanalization of chronic central venous occlusion. *J Vasc Surg Venous Lymphat Disord*. 2017 Jan;5(1):60-69. doi: 10.1016/j.jvsv.2016.07.010.
39. Lu T, Owji S, Chinnadurai P, Loh TM, Schwein A, Lumsden AB, **Bismuth J**. Robotic-Assisted Coil Embolization of Ascending Aortic Pseudoaneurysm. *Ann Thorac Surg*. 2016 Nov;102(5):e451-e453. doi: 10.1016/j.athoracsur.2016.03.085.
40. Brunner G, **Bismuth J**, Nambi V, Ballantyne CM, Taylor AA, Lumsden AB, Morrisett JD, Shah DJ. Calf muscle perfusion as measured with magnetic resonance imaging to assess peripheral arterial disease. *Med Biol Eng Comput*. 2016 Nov;54(11):1667-1681.
41. Schwein A, Chinnadurai P, **Bismuth J**. Iliac Limb Perigraft Access with Robotic Catheter Assistance for Type 2 Endoleak Embolization. *Ann Vasc Surg*. 2017 Jan;38:317.e5-317.e7. doi: 10.1016/j.avsg.2016.05.122.
42. Al Jabbari O, Abu Saleh WK, Irshad A, Christensen T, Bruckner B, **Bismuth J**, Loebe M. Case Report: Delayed Type A Aortic Dissection Following Complete Debranching of the Aortic Arch and Stent Graft Placement. *Methodist Debaque Cardiovasc J*. 2016 Jan-Mar;12(1):45-7. doi: 10.14797/mdcj-12-1-45.

43. Schwein A, Kramer B, Chinnadurai P, Walker S, O'Malley M, Lumsden A, **Bismuth J**. Flexible robotics with electromagnetic tracking improves safety and efficiency during in vitro endovascular navigation. *J Vasc Surg*. 2016 Mar 16. pii: S0741-5214(16)00174-9. doi: 10.1016/j.jvs.2016.01.045. [Epub ahead of print]
44. Duran C, Estrada S, O'Malley M, Sheahan MG, Shames ML, Lee JT, **Bismuth J**. The model for Fundamentals of Endovascular Surgery (FEVS) successfully defines the competent endovascular surgeon. *J Vasc Surg*. 2015 Dec;62(6):1660-6.e3. doi: 10.1016/j.jvs.2015.09.026.
45. Chinnadurai P, Duran C, Al-Jabbari O, Abu Saleh WK, Lumsden A, **Bismuth J**. Value of C-Arm Cone Beam Computed Tomography Image Fusion in Maximizing the Versatility of Endovascular Robotics. *Ann Vasc Surg*. 2016 Jan; 30:138-48. doi: 10.1016/j.avsg.2015.06.070.
46. Itoga NK, Woo K, **Bismuth J**, Bechara CF, Grenon M, Mitchell E, Zhou W. A Rising Generation of Diversity in the Vascular Surgery Workforce. *Ann Vasc Surg*. 2015 Oct;29(7):1484-6. Doi
47. Sheahan MG, Duran C, **Bismuth J**, National Simulation-Based Training of Fellows: The Vascular Surgery Example. *Epub* 2015 Aug; 95(4):781-90. doi
48. Duran C, Estrada S, O'Malley M, Lumsden AB, **Bismuth J**. Kinematics effectively delineate accomplished users of endovascular robotics with a physical training model. *J Vasc Surg*. 2015 Feb;61(2):535-41. doi
49. Anderson JR, Karmonik C, Georg Y, **Bismuth J**, Lumsden AB, Schwein A, Ohana M, Thaveau F, Chakfé N. A semi-automated image segmentation approach for computational fluid dynamics studies of aortic dissection. *Conf Proc IEEE Eng Med Biol Soc*. 2014;2014:4727-30. doi:
50. Naoum JJ, **Bismuth J**, El-Sayed HF, Davies MG, Peden EK, Lumsden AB. Open arterial revascularization of the critically ischemic foot using arterial homograft. *J Med Liban*. 2014 Jul-Sep;62(3):125-9.
51. Naoum JJ, Chamoun NR, Patel MS, Street TK, Haydar M, **Bismuth J**, El-Sayed HF, Davies MG, Lumsden AB, Peden EK. Elevated heparin-induced antibodies are more common in diabetic patients with vascular disease. *Thrombosis*. 2014;2014:649652. doi: 10.1155/2014/649652. *Epub* 2014 Feb 6.
52. Duran C, Lumsden AB, **Bismuth J**. A randomized, controlled animal trial demonstrating the feasibility and safety of the Magellan™ endovascular robotic system. *JACC Heart Fail*. 2013 Oct;1(5):382-8. doi: 10.1016/j.jchf.2013.06.002. *Epub* 2013 Sep 11.
53. Duran CA, Shames M, **Bismuth J**, Lee JT; Simulation Committee of the Association of Program Directors in Vascular Surgery. Validated assessment tool paves the way for standardized evaluation of trainees on anastomotic models. *Ann Vasc Surg*. 2014 Jan;28(1):115-21. doi: 10.1016/j.avsg.2013.07.005. *Epub* 2013 Nov 1.

54. **Bismuth J.** Observe caution when interpreting benchtop testing for endograft fenestration. *J Endovasc Ther.* 2013 Aug;20(4):544-5. doi: 10.1583/12-4175C.1. No abstract available.
55. Duran C, Lumsden AB, **Bismuth J.** A randomized animal trial demonstrating the feasibility and safety of the Magellan™ endovascular robotic system. *Ann Vasc Surg.* 2014 Feb;28(2):470-8. doi: 10.1016/j.avsg.2013.07.010.
56. Karmonik C, Müller-Eschner M, Partovi S, Geisbüsch P, Ganten MK, **Bismuth J,** Davies MG, Böckler D, Loebe M, Lumsden AB, von Tengg-Kobligk H. Computational fluid dynamics investigation of chronic aortic dissection hemodynamics versus normal aorta. *Vasc Endovascular Surg.* 2013 Nov;47(8):625-31. doi: 10.1177/1538574413503561. Epub 2013 Sep 17.
57. Bavare CS, **Bismuth J,** El-Sayed HF, Huynh TT, Peden EK, Davies MG, Lumsden AB, Naoum JJ. Volume Flow Measurements in Arteriovenous Dialysis Access in Patients with and without Steal Syndrome. *Int J Vasc Med.* 2013;2013:328601. doi: 10.1155/2013/328601. Epub 2013 Aug 27.
58. Duran C, L Rodriguez, Ramchandani, **Bismuth J.** Robotic Surgery: Applications and Advances. *Future Medicine.* 2013 Mar 18-33. Do: 10.2217/ebo.12.226:
59. Duran C, **Bismuth J,** Mitchell E. A nationwide survey of vascular surgery trainees reveals trends in operative experience, confidence, and attitudes about simulation. *J Vasc Surg.* 2013 Mar 28. Doi:pii: S0741-5241(13)00131-6. [Epub ahead of print].
60. **Bismuth J,** Duran C, Stankovic M, Gersak B, Lumsden AB. A first-in-man study of the role of flexible robotics in overcoming navigation challenges in the iliofemoral arteries. *J Vasc Surg* 2013 Feb;57(2Suppl):14S-9S.
61. Duran C, Abboud L, Karmonik C, Shah D, Lumsden AB, **Bismuth J.** The utility of dynamic magnetic resonance venography in the setting of pelvic venous pathology. *Journal of Vascular Surgery: Venous and Lymphatic Disorders.* 2013 Jan; 1(1):78-81.e1.
62. Loebe M, Ren D, Rodriguez L, LaFrancesca S, **Bismuth J,** Lumsden A. Acute and chronic thoracic aortic disease: surgical considerations. *HSR Proc Intensive Care Cardiovasc Anesth.* 2012;4(4):243-50.
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***Abstracts and Presentations available upon request**