

Karel Calero, M.D.

Assistant Professor Pulmonary Critical Care and Sleep Medicine
University of South Florida, Morsani College of Medicine, Tampa, Florida

Address

2 Tampa General Circ, STC 6th floor Tampa, FL 33606
Office: 813-259-0619; Fax: 813-259-0620
Cellular: 786-253-3075
Email: kcalero@usf.edu

Education

Medical School: Miller School of Medicine University of Miami
Miami, FL, 2003-2007, MD
Undergraduate: University of South Florida, B.S. Interdisciplinary
Sciences (magna cum laude-GPA 3.96), Minor in
Chemistry, Tampa, FL. 2003, honors

Postgraduate Training

Fellowship: Sleep Medicine Fellow, University of South Florida,
Tampa, FL, 2014-2015
Fellowship: Pulmonary Critical Care Medicine Fellowship,
University of South Florida, Tampa, FL, 2011-2014
Residency: Internal Medicine Residency, University of Miami,
Miami, FL, 2007-2010
Board Certification: Sleep Medicine- Active, expiration 2025
Board Certification: Critical Care Medicine- Active, expiration 2024
Board Certification: Pulmonary Medicine- Active, expiration 2023
Board Certification: Internal Medicine- Active, expiration 2020
Medical License Florida- Active, expiration Jan 2022

Professional Development/ Continuing Education

- Scientific Writer's Workshop, 2016
- Point of Care Ultrasound Training, 2016
- Bibliographic Citation Management, 2015

Procedural Skill Set

- Flexible bronchoscopy
- True Freeze
- Cryobiopsy
- Endobronchial and radial ultrasound
- Navigational bronchoscopy
- Endobronchial valve placement- air leaks and lung volume reduction
- Argon Plasma Coagulation
- Balloon dilation
- Stent placement
- Whole Lung lavage
- Percutaneous tracheostomy
- PleurX catheter placement

- Pleuroscopy
- Chest tube placement
- Thoracentesis
- Endotracheal intubation
- Arterial and central venous lines
- Right heart catheterization
- Paracentesis
- Lumbar puncture
- VVECMO management
- Bedside Point of Care Ultrasound
- Polysomnography interpretation
- Inspire hypoglossal nerve stimulation polysomnography interpretation
- Actigraphy interpretation

Awards and Honors

- Golden Apple Teaching Recognition Award, Annual Faculty Summit, University of South Florida, Tampa, FL, 2018
- Dade County Federation of Women's Club Award, 2003-2007
- Honors Program, University of South Florida, Tampa, FL 1999-2003
- National Scholars, Honors Society, 2001-2003
- Award, Kiwanis Scholarship, 1999-2001
- Honors Program, Miami Dade College, 1999-2001

Society Memberships

- American College of Chest Physicians, member
- American Thoracic Society, member
- American Academy of Sleep Medicine, member
- Southern Sleep Society, member
- American Lung Association, member

Appointments

- Section Chief, Pulmonary Critical Care and Sleep Medicine, Tampa General Hospital, Tampa, FL 2018- present
- Director, Bronchoscopy suite, Tampa General Hospital, 2018-present
- Director, sleep medicine fellowship James A Haley VA site 2016- present
- Director, Bronchoscopy suite, James A Haley VA Hospital, 2016
- Assistant Professor of Medicine, Department of Internal Medicine, Division of Pulmonary Critical Care and Sleep Medicine, University of South Florida Morsani College of Medicine, Tampa, FL, 2015- present
- Hospitalist, St Joseph Hospital North, Tampa, FL, 2010-2011

Hospital Appointments

- Attending Physician, Tampa General Hospital, Tampa, FL, 2015-present
- Attending Physician, James A Haley VA Hospital, Tampa, FL, 2015-present
- Attending Physician, H. Lee Moffitt Cancer Research Center, Tampa, FL, 2015-present
- Attending Physician, Florida Hospital Tampa, Tampa, FL, 2015-2018

- Attending Physician, St Joseph Hospital North, Tampa, FL, 2010-2011

Teaching, Lecture

National:

- Southern Sleep Society Meeting speaker. Sleep Medicine, A Discipline in Transition. Houston, TX, 2017: Role of Airway Evaluation in OSA Treatment Decisions.
- Southern Sleep Society Meeting speaker. New Orleans, LA, 2015 “ALS: Prediction of Disease Progression”.

Regional:

- Symposium Update in Allergy and Immunology. Tampa, FL 2020: Sleep Apnea in Adults: Diagnosis and Treatment.
- 41st Annual Pulmonary Winter Course, Orlando, FL 2020: Bronchoscopic Lung Volume Reduction for COPD.
- Current Concepts in Sleep and Neurodiagnostics. St Petersburg, FL 2019: Is it Sleep or Delirium in the ICU?
- Current Concepts in Sleep and Neurodiagnostics. Clearwater, FL 2018: Updates on Central Sleep Apnea.
- Grand Rounds, Sarasota Memorial Hospital, Sarasota, FL 2018: Choosing the right option for OSA treatment
- Grand Rounds, Orlando Health, 2018: OSA: When CPAP Does Not Work!
- David Solomon Symposium. Innovations in Pulmonary Critical Care and Sleep Medicine. Tampa, F, 2017: Obstructive Sleep Apnea: Beyond CPAP- new treatment options.
- Current Concepts in Sleep. Clearwater, FL 2017: Drug Induced Sleep Endoscopy
- Current Concepts in Sleep. St Petersburg, FL, 2016: Advanced Upper Airway Examination
- Pulmonary Winter Course Speaker- Orlando, FL (University of Florida sponsor), 2016- “The Sleep Specialist’s role in Airway Evaluation”
- Current Concepts in Sleep. St Petersburg, FL 2015. Narcolepsy Case Presentation.

Local:

- Grand Rounds, Roy H. Behnke, University of South Florida, Tampa, FL 2019: OSA: When CPAP Does Not Work!
- CAMLS Fellow Hands-on Procedure Training-chest tubes, cricothyrotomy, difficult airway and advanced bronchoscopy skills, 2018
- Obstetrics-Gynecology Department Lecture, Sleep disorders and the importance of sleep to improve outcomes, 2018
- ARNP student preceptor, 2017- present
- PhD Nursing Science Examining Committee, 2017
- Doctoring Clinical Experience Program Preceptor (MS1 and MS2 teaching), 2016- present
- Respiratory Therapy Conference, Tampa General Hospital, Tampa, FL 2015. Lung Transplantation.
- Resident and fellow clinical education, 2015- present

Residency/
Fellowship:

- Bronchoscopic Lung Volume Reduction, 2020
- Shock: hemodynamic support and monitoring, 2020
- Therapeutic Hypothermia after cardiac arrest, 2020
- Recognition and treatment of acid base disorders, 2019
- Fluoroscopic navigation Training, 2019
- Central Sleep Apnea, 2018-present
- Motor Disorders of Sleep 2017-present
- Cystic Lung Diseases 2017
- Unusual and uncommon pulmonary disorders, 2017
- Mediastinal masses 2017
- Diffuse alveolar hemorrhage, 2017
- Pulmonary function tests, 2017
- Eosinophilic Lung Diseases. 2017
- Interpretation of Acid Base Disturbances in Clinical Practice. 2017
- Anatomy for the sleep physician, 2016-present
- Drug induced sleep endoscopy, 2016-present
- Inspire hypoglossal nerve stimulation, 2016-present
- Pulmonary disorders in women, 2016-present
- Sleep or delirium in the ICU, 2016
- Upper airway evaluation, 2015-present
- Circadian disorders, 2015-present
- Obstructive sleep apnea, 2015-present
- Mechanical ventilation, 2015-present
- Board Review Pulmonary Critical Care and Sleep Medicine, 2015-present
- Delirium in the ICU, 2015
- Thrombocytopenia, 2014
- Lung Transplantation, 2013, 2015
- Pulmonary hypertension in the setting of diastolic dysfunction, 2012
- Alcohol and opiate withdrawal 2012
- Fluids and Electrolytes, 2010

Medical
Students:

- BMS 6042, Medical Student Pulmonary team teaching, faculty lecturer, USF, 2015-present
- BCC 8340, Critical Care team teaching, faculty lecturer, USF, 2015-present
- MDC 8340 Critical Care medicine teaching
- MEL 8340 Pulmonary Disease teaching
- BMS 6825 (Doctoring I), ½ day weekly, faculty preceptor, 2015-present
- BMS 6826 (Doctoring II), ½ day weekly, faculty preceptor, 2015-present

Undergraduate
Students:

- Chemistry, Physics and Mathematics Tutor, Miami Dade College, Miami, FL 1999-2001

Teaching, Supervisory

- Fellow training in difficult airway course, chest tube and central line placement, 2019- present
- Pulmonary Critical Care Fellow Preceptor, 2015- present
- Pulmonary Critical Care Fellow Mentor, 2015- present
- Sleep Fellow Preceptor, 2015- present
- Sleep Fellow Mentor, 2015- present
- Board Review Pulmonary Critical Care and Sleep Medicine, 2015-present

Clinical Activities

National:

- PSG & HSAT for Non-OSA Clinical Practice Guideline Development American Academy of Sleep Medicine (AASM) Taskforce, 2019-2020
- American College of Chest Physicians, CHEST meeting abstract grader. 2016- present (yearly)
- American academy of Sleep Medicine, SLEEP meeting, abstract reviewer. 2016-present (yearly)

Peer Reviewer:

- American Journal of Critical Care, Peer Reviewer 2016- present
- Minerva Anestesiologica Journal, Peer reviewer 2016-present
- The Laryngoscope, peer reviewer 2016- present

Local:

- SARS Coronavirus Bronchoscopy suite guidelines developer, Tampa General Hospital, 2020
- SARS Coronavirus Pulmonary Department Research Implementation Leader, 2020
- Impact Academic Case Reports reviewer, 2019
- Bronchoscopic Lung Volume Reduction Program Developer, University of South Florida, 2019- present
- Tumor Board, Tampa General Hospital, 2018- present
- Inspire Hypoglossal Nerve Stimulation Program Developer, University of South Florida, 2015- present
- Research Assistant, Neurology, University of South Florida, Tampa, FL 2001-2003

Professional Development

- 41st Annual Pulmonary Winter Course, Invasive Technology in Pulmonary Medicine Moderator, Orlando, FL 2020
- CHEST moderator, 2018
- Fellow academic advisor, 2015- present

Quality Improvement

- Improving inpatient sleep at Tampa General Hospital, 2014-present
Improving CPAP adherence – a team intervention project
- ARDS Physician Order-Set Quality Improvement Initiative, 2017- present
Recognition of ARDS and improvement in quality outcomes
- Fellow wellbeing – Sleep Health 2019-present
Education of fellows across several training programs to mitigate stress

Service:

Regional:

- Pulmonary Winter Course Committee 2019-present

Hospital:

- COVID19 Procedural recovery work group, Tampa General Hospital, 2020-present
- Board of Veteran Appeal Review, 2018

University:

- Program Evaluation Committee. Pulmonary Critical Care, USF, 2015-present
- Program Competency Committee. Pulmonary Critical Care, USF, 2015-present
- Program Evaluation Committee. Sleep Medicine, USF, 2015-present
- Program Competency Committee. Sleep Medicine, USF, 2015-present
- ACGME Clinical Learning Environment Review (CLER) visit collaborator, 2019
- Objective Structured Clinical Examination (OSCE) Evaluator, 2019
- PhD Nursing Science Examining Committee, 2017
- Sleep Medicine Fellowship selection committee, 2016-present
- Pulmonary Critical Care Fellowship Selection Committee, 2016- present
- Cardiovascular Research Laboratory - volunteer research assistant – University of Miami 2005-2008
- Medical Spanish for the Wards, Miami, FL 2005-2007
- UMMSM Academic Societies Program- Hunter Clinical Skills Trainer. Miami, FL, 2004-2007
- UMMSM Academic Societies Program- Hunter Mentor. Miami, FL, 2004-2007
- American Medical Student Association (AMSA) Fund Raiser-Miami, FL, 2003-2007

Community:

- Bridge Clinic Volunteer, University of South Florida, Tampa, FL, 2015-2017
- Television Interview, The Effect of Daylight Saving Time End on Sleep. Bay News 9, Tampa, FL 2015
- Public Outreach on importance of sleep hygiene
- Television Interview, How did vacationing sisters die? Noncardiogenic pulmonary Edema. Channel 10 News, Tampa, FL 2016
- UMMSM Academic Societies Program- STD Prevention -High School Education. Miami, FL, 2004-2007
- Health Fair Volunteer- Florida City, Little Haiti and Tamiami Health Fairs- annual service outreach activities. Miami, FL, 2003-2007
- Department of Community Service -clinic volunteer- San Juan Bosco Clinic, Miami, FL 2003-2007

Scholarly Activity**Grants:**

- PCORI I.D.# CER-1511-33005
Title: "Comparison of Sleep Apnea Assessment Strategies to Maximize TBI Rehabilitation Participation and Outcome"
P.I.: Richardson, Risa, PhD
Subcontract Agreement #: C-SAS-USF-17-01
Project period: 2017-present
This study proposes to leverage the existing TBI Model System longitudinal study (TBIMS) funded by the Departments of Health and Human Services and Veterans Affairs to improve understanding of the diagnosis and treatment of sleep apnea in patients with moderate to severe TBI undergoing inpatient rehabilitation.
- NIH RO1 I.D. # PAR-18-212
Title: "Natural history of sleep apnea following TBI "
P.I.: Risa Richardson, PhD
Project Period: 2018- present
Apply refined methods to diagnose sleep disturbances during rehabilitation for primary disabling conditions Determine sleep patterns during acute vs chronic rehabilitation Propose specific interventions (pharmacological or non-pharmacological) based on specific sleep disturbances linked to specific patient populations, whether based on timing of the primary disorder, patient characteristics, or rehabilitation setting Determine tailored, non-pharmacological sleep interventions for specific stages of rehabilitation for various age groups Test the timing/duration of pharmacological sleep interventions for specific stages of rehabilitation Define the optimum outcomes for improved sleep vs improvements in other aspects of patient functioning/satisfaction in the context of medical rehabilitation.

Sponsored Research:

- EMPROVE, PI, Sponsored multicenter trial
Evaluation of the Spiration Valve System for Emphysema to Improve Lung Function (EMPROVE)
CPR-03434: A Prospective, Randomized, Controlled Multicenter Clinical Trial to Evaluate the Safety and Effectiveness of the EMPROVE System for the Single-Lobe Treatment of Severe Emphysema
The objective of this study is to evaluate the safety and effectiveness of the IBV Valve System for the treatment of severe emphysema.
- Bronchial Sample Collection for a Novel Genomic Test (BRAVE), PI
Transbronchial sample collection to design a genomic test to assist in diagnosing usual interstitial pneumonia.
- Brequinar -COVID-19 (CRISIS)
The CRISIS Study: A randomized open-label study assessing the safety and anti-coronavirus response of combined suppression of host nucleotide synthesis in hospitalized adults with coronavirus-19 (COVID-19).
A RCT to determine the safety and tolerability of SOC, SOC plus brequinar, and SOC plus brequinar plus ribavirin in hospitalized COVID-19 subjects.
- Sodium Nitrite for COVID Lung Injury (SN02-01)

Treatment of Lung Injury from COVID-19 Infection with Intravenous Sodium Nitrite: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Clinical Study.

200 adult study subjects with COVID-19 related lung injury are expected to be enrolled. Study subjects will be randomized in a 1:1 ratio to receive Hope Pharmaceuticals Sodium Nitrite Injection 30 mg/mL or saline placebo

- Ruxolitinib (JAK-1 Inhibitor) for COVID-19 associated Cytokine Storm. A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Assess the Efficacy and Safety of Ruxolitinib in Participants With COVID-19–Associated ARDS Who Require Mechanical Ventilation. This is a randomized (2:2:1, ruxolitinib 5 mg BID to ruxolitinib 15 mg BID to placebo [placebo randomized 1:1 to 5 mg or 15 mg]), double-blind, placebo-controlled, 29-day, multicenter study to assess the efficacy and safety of 2 doses of ruxolitinib (5 mg and 15 mg BID) + SoC therapy, compared with placebo + SoC therapy, in participants aged ≥ 18 years with COVID-19–associated ARDS who require mechanical ventilation. INCB18424-369 (RUXCOVID-DEVENT)
- NOse Brushings for Lung Cancer Assessment in Epithelium An Evaluation of a Biomarker Test(s) as an Early Aid in the Risk Assessment of Lung Nodules Detected by Low-Dose CT During Lung Cancer Screening or Incidentally Detected Lung Nodules (NOBLE)

HUD Device:

- IBV® Valve System, a Humanitarian Use Device intended for the control of prolonged air leaks.
Protocol to assist with control of air leaks following thoracic surgery

Pending approval:

- Life2000 effect on nocturnal CO₂ reduction in COPD
Evaluation of the Life2000 treatment effect on COPD related hypercapnic respiratory failure.
University of South Florida as primary site
- Respicardia rēST study (phrenic nerve stimulator for central sleep apnea)
Multicenter study evaluating effect of the respicardia remedē system in the treatment of central sleep apnea (PAS)
- COVID Diagnostic Device with Machine Learning
Evaluation of a novel device to track outcomes and disease progression in COVID19
- Factors Predicting Better Outcomes in COVID-19 Patients
Database assessing inpatient admissions to ICU to describe outcome measures and design future therapies
- Fulcrum COVID19 FIS-001-2020
A phase 3, randomized, double blind, placebo controlled study of the safety and efficacy of losmapimod in adult subjects with COVID19 (LOSVID)
- Phase III Dupilumab in COPD
EFC15805 NOTUS COPD (SANOFI)

- Longitudinal Effects of Self-care and decision making competence on Outcomes in Patients with COPD
NIH grant application submitted
 - Envisia genetic classifier- alternative sample collection strategy
Pending IRB, contract in negotiation
- Co-investigator:
- Traumatic Brain Injury Model System Program
Evaluation of rehabilitation outcomes of patients with TBI
 - Comparison of Sleep Apnea Assessment Strategies to Maximize TBI Rehabilitation Participation and Outcome (C-SAS)
Assessment for sleep apnea using questionnaires and alternative testing strategies
 - Inspire Upper Airway Stimulation-- Post-Approval Study
Evaluation of the Inspire hypoglossal nerve stimulator outcomes in treatment of obstructive sleep apnea
 - DREAM Study
Multicenter study to assess the safety and effectiveness of the Genio dual-sided hypoglossal nerve stimulation system for the treatment of OSA in adults.
 - Prepare (Patient Activated Reliever-Triggered Inhaled Corticosteroid)
Analysis of treatment strategies using inhaled corticosteroids for asthma treatment.
 - ADAPT (Orenitram in pulmonary hypertension)
 - OL SOUTHPAW (treprostinil in PH associated with HFpEF)
 - Southpaw (treprostinil in PH associated with HFpEF)
- Completed Research:
- ANG-3777 to Treat Pulmonary Complications in COVID-19
A Multicenter, Prospective, Randomized, Open-Label Phase 2 Study to Assess Safety and Efficacy of ANG-3777 in Patients Hospitalized with Confirmed COVID-19 Pneumonia.
Randomized, prospective, open-label, parallel-arm, multicenter study which will assess the efficacy and safety of ANG-3777 plus the standard of care (SOC) vs. SOC in patients with COVID-19 pneumonia.
 - Spiration Valves against standard therapy (VAST) study, PI
Protocol CPR-04138: Safety and Effectiveness of the Spiration Valve System in Air Leaks: A Feasibility Study VAST (Valves Against Standard Therapy).
This was a multicenter, prospective, randomized, controlled study designed to evaluate treatment with the SVS as compared to standard chest tube drainage management and other standard-of-care interventions in the control group.
 - Reorientation Intervention for Cognitive Dysfunction in the Critically Ill: A Feasibility Study
Study led to NIH RO1 grant for assessment of delirium interventions via a recorded family voice intervention.
 - ICU delirium intervention project
 - Moderate to Severe Acquired Brain Injury: VA PolyTrauma Rehabilitation Center's Experience
 - Effect of portable CPAP on adherence

- Effects of Opioids in Sleep Quality in Veterans with Chronic Pain
Increased incidence of obstructive sleep apnea in patients with chronic pain syndrome.
- Pulmonary Function Tests Utilities as predictors of Survival in Amyotrophic Lateral Sclerosis.
- Sleep Apnea in Non-ovulating REI Patients: The SNORES Randomized Clinical Trial.
- Does ECLS Associated Hemolysis Prognosticate Need for Dialysis and Mortality?
- Convert 212 (LAI in NTM refractory to therapy)

Published Bibliography

1. Sava V, Mosquera D, Song S, Stedeford T, **Calero K**, Cardozo-Pelaez F, Harbison R, Sanchez-Ramos J. Gene Expression, Rubratoxin B elicits antioxidative and DNA repair responses in mouse brain. Publication Date: 2004 , Volume: 11(5-6), Pages: 211-9.
2. Rumbak, D.M., **Calero, K.**, Rumbak, M.J. Treating Community Acquired Pneumonia: To Suppress or not to Suppress? How much or what to Suppress with? Those are the questions! Editorial. Journal of Critical Care. July 2014.
3. **Calero, K.**, Anderson, W.M. Home Portable Sleep Testing Has Gone Global. Commentary on Magalang et al. Agreement in the scoring of respiratory events among international sleep centers for home sleep testing. J Clin Sleep Med 2015; Dec 22. pii: jc-00522-15.
4. **Calero, K**, Rumbak, M. Predicting Sleep Related Oxygen Desaturation. Editorial. Minerva Anesthesiol. 2017 May; 83(5):431-433. doi: 10.23736/S0375-9393.17.11926-7. Epub 2017 Mar 22. PMID: 28326755.
5. Munro CL, Cairns P, Ji M, **Calero K**, Anderson WM, Liang Z. Delirium prevention in critically ill adults through an automated reorientation intervention - A pilot randomized controlled trial. Heart Lung. 2017 Jul - Aug; 46(4):234-238. Epub 2017 Jun 9. PMID:28606450
6. Elias, M***, Munro, C, Liang, **Calero, K**, Ming, Ji. Sleep and ICU-Acquired Weakness in Critically Ill Older Adults. Dimensions of Critical Care Nursing. 2019 Jan-Feb; 38(1):20-28. PMID 30499789 ***Mentored student***
7. Raghu G, Flaherty KR, Lederer DJ, Lynch DA, Colby TV, Myers JL, Groshong SD, Larsen BT, Chung JH, Steele MP, Benzaquen S, **Calero K**, Case AH, Criner GJ, Nathan SD, Rai NS, Ramaswamy M, Hagemeyer L, Davis JR, Gauhar UA, Pankratz DG, Choi Y, Huang J, Walsh PS, Neville H, Lofaro LR, Barth NM, Kennedy GC, Brown KK, Martinez FJ. Use of a molecular classifier to identify usual interstitial pneumonia in conventional transbronchial lung biopsy samples: a prospective validation study. Lancet Respir Med. 2019 Jun; 7(6):487-496. Epub 2019 Apr 1. PMID: 30948346
8. Criner GJ, Delage A, Voelker K, Hogarth DK, Majid A, Zgoda M, Lazarus DR, Casal R, Benzaquen SB, Holladay RC, Wellikoff A, **Calero K**, Rumbak MJ, Branca PR, Abu-Hijleh M, Mallea JM, Kalhan R, Sachdeva A, Kinsey CM, Lamb CR, Reed MF, Abouzgheib WB, Kaplan PV, Marrujo GX, Johnstone DW, Gasparri MG, Meade AA, Hergott CA, Reddy C, Mularski RA, Case AH,

Makani SS, Shepherd RW, Chen B, Holt GE, Martel S; EMPROVE Study Group. Improving Lung Function in Severe Heterogenous Emphysema with the Spiration® Valve System (EMPROVE): A Multicenter, Open-Label, Randomized, Controlled Trial. *Am J Respir Crit Care Med*. 2019 Dec 1; 200(11):1354-1362. PMID: 31365298

9. **Calero K**, Anderson WM. Can Poor Sleep Cause Kidney Disease? Another Step Closer to the Answer. *J Clin Sleep Med*. 2019 Mar 15;15(3):371-372 PMID: 30853058
10. Elías MN, Munro CL, Liang Z, **Calero K**, Ji M. Sleep and Intensive Care Unit-Acquired Weakness in Critically Ill Older Adults. *Dimens Crit Care Nurs*. 2019 Jan/Feb; 38(1):20-28. PMID: 30499789
11. Raghu G, Colby TV, Myers JL, Steele MP, Benzaquen S, **Calero K**, Case AH, Criner GJ, Nathan SD, Rai NS, Hagemeyer L, Davis JR, Borhade SM, Kennedy GC, Gauher UA, Martinez FJ. A Molecular Classifier That Identifies Usual Interstitial Pneumonia in Transbronchial Biopsy Specimens of Patients With Interstitial Lung Disease. *Chest*. 2020 May;157(5):1391-1392 PMID 32386639
12. Nakase-Richardson R, Dahdah MN, Almeida E, Ricketti P, Silva MA, Calero K, Magalang U, Schwartz DJ. Concordance between current American Academy of Sleep Medicine and Centers for Medicare and Medicare scoring criteria for obstructive sleep apnea in hospitalized persons with traumatic brain injury: a VA TBI Model System study. *J Clin Sleep Med*. 2020 Jun 15; 16(6):879-888. PMID: 32043962
13. Nakase-Richardson R, Schwartz DJ, Drasher-Phillips L, Ketchum JM, **Calero K**, Dahdah MN, Monden KR, Bell K, Magalang U, Hoffman JM, Whyte J, Bogner J, Zeitzer JM. Comparative Effectiveness of Sleep Apnea Screening Instruments During Inpatient Rehabilitation Following Moderate to Severe TBI. *Arch Phys Med Rehabil*. 2020 Feb; 101(2):283-296. PMID: 31705855
14. Nakase-Richardson R, Schwartz DJ, Ketchum JM, Drasher-Phillips L, Dahdah MN, Monden KR, Bell K, Hoffman J, Whyte J, Bogner J, **Calero K**, Magalang U. Comparison of Diagnostic Sleep Studies in Hospitalized Neurorehabilitation Patients With Moderate to Severe Traumatic Brain Injury. *Chest*. 2020 May 6;S0012-3692(20)30863-1 PMID: 32387522
15. Maya N. Elías, Cindy L. Munro, Zhan Liang, Padilla Fortunatti, **Karel Calero**, Ming Ji. Nighttime Sleep Duration Is Associated With Length of Stay Outcomes Among Older Adult Survivors of Critical Illness. *Dimensions of Critical Care Nursing*. 2020 May-Jun; 39(3):145-154. PMID: 32251163

Papers in press:

16. Utility of a molecular classifier as a complement to HRCT to identify Usual Interstitial Pneumonia. *American Journal of Respiratory and Critical Care Medicine*. Blue-202003-08770C
17. Sleep and Activity Patterns are Altered during Early Critical Illness in Mechanically Ventilated Adults. *Dimensions of Critical Care Nursing*.

Letters:

18. Ricketti***, P, **Calero, K**, Padhya, T. Standard Protocol for Implementation of Drug Induced Sleep Endoscopy (DISE) by the Non-traditional Sleep Medicine Specialist. Letter to JCSM. 2019 *** supervised fellow***

Abstracts:

1. Rodrigues CO, Shehadeh LA, **Calero K**, Bishopric NH. Transcriptional variability in cardiac stem cell clones. 4th Annual Symposium of the American Heart Association Council on Basic Cardiovascular Sciences, July 30 - August 2, 2007, Keystone Conference Center, Keystone, Colorado. *Circulation*. 2007;116:II_167
2. **Calero, K.** Rumbak, M. Sullebarger, J. Atrial Septostomy for Severe Pulmonary Arterial Hypertension with Decreased Cardiac Output: An Underused Procedure. American College of Chest Physicians. Abstract. October 2013.
3. **Calero, K.**, Elamin, E., Anderson, W. Targeting Subgroups of Patient with ALS: A Step towards Individualized Therapy. American Academy of Sleep Medicine. Abstract. Presentation June 6-10, 2015, Seattle, WA.
4. **Calero, K.**, Elamin, E., Anderson, W. ALS: Prediction of Disease Progression. Southern Sleep Society. Abstract. Presentation April 17, 2015, New Orleans, LA.
5. **Calero, K.**, Sanders, S., Anderson, W.M. OSA Common in Veterans with Chronic Pain Syndrome. American College of Chest Physicians. Abstract. October 2016
6. Stachura, Z^{***}, **Calero, K.**, Anderson, W.M. Longitudinal Effect of Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea on Blood Pressure in Twelve Patients. SLEEP. American Academy of Sleep Medicine. Denver, CO 2016. *** mentored fellow ***
7. Bello, M^{***}, **Calero, K.**, Anderson, W.M., Cairns, P.C., Munro, C.M. Delirium in the ICU: does sleep play a role? SLEEP. American Academy of Sleep Medicine. Denver, CO 2016. *** mentored fellow ***
8. Steele, M, Benzaquen, S, Meyers, J, Groshong, S, Wilson, D, Wiese, T, **Calero, K**, Rumbak, M, Bianchi, P, Imtiaz, U, Colby, T. Cohort Comparison between Transbronchial Cryo-biopsy and Surgical Lung Biopsy (SLB) in Patients Undergoing a Workup for Interstitial Lung Disease (ILD) from a Multicenter Prospective Trial. American Thoracic Society, Washington, DC, May 19-24, 2017.
9. Anderson, W.M, **Calero, K**, Lee, K, Zhu, J, Ni, Q, Strohl, K.P, Strollo, P.J. Upper airway stimulation withdrawal reduced oxygen saturation in obstructive sleep apnea. American Thoracic Society, Washington, DC, May 19-24, 2017.
10. Schwaiger, E^{***}, Prater, J^{***}, **Calero, K**, Munro, C, Cairns, P, Anderson, WM, Ming, Ji. Actigraphy in Assessment of Circadian Rhythm Alterations in the ICU. Society of Critical Care Medicine 2017. *** mentored fellows***
11. Hoecker, R. ^{***}, **Calero, K**, Outcomes of Increased Plasma-free Hg and Blood Transfusion in Patients Receiving ECMO. Society of Critical Care Medicine 2017. *** mentored fellow***
12. **Calero, K**, Camperisi, E, Padhya, T. Feasibility of Drug Induced Sleep Endoscopy in the Bronchoscopy Suite. American Academy of Sleep Medicine, Boston, June 3-7, 2017.
13. Collazo, C^{***}, **Calero, K**, Sanders, S, Kaur, N, Anderson, W.M. Assessment of Obstructive Sleep Apnea in patients with Chronic Pain Syndrome: How does Portable Respiratory Recording compare to Polysomnography? American Academy of Sleep Medicine, Boston, June 3-7, 2017. *** mentored fellow ***

14. Cool, D^{***}, Schwartz, D, **Calero, K**, Nakase-Richardson, R, LaRosa, K, Silva, M. PAP Adherence in a VA TBI Model System Cohort: A Feasibility Study. American College of Rehabilitation Medicine, Atlanta, October 23-28, 2017. ^{***} mentored student ^{***}
15. Silva, M.A^{***}, Nakase-Richardson, R, Smith, N.D, Schwartz, D, Anderson, W, **Calero, K**, Modarres, M. Sleep Architecture in Acquired Brain Injury Rehabilitation Patients with Mild, Moderate, and Severe Sleep Apnea. IBIA, 2017. ^{***}mentored student^{***}
16. Drasher-Phillips, L., Schwartz, D. J., **Calero, K.**, Silva, M. A., Larosa, K. N., Richardson, R. CPAP Compliance in a VA TBI Model System Cohort: A Feasibility Study. 4th Federal Interagency Conference on TBI. June 11-13, 2018. Washington, DC.
17. Calvo, D., Cool, D., Silva, M.A., Drasher-Phillips, L., Rechkemmer, M.B., Schwartz, D., **Calero, K.**, Anderson, W.M., & Nakase-Richardson, R. Incidence of Sleep Apnea Treatment Compliance in Veterans With Acquired Brain Injury. 95th annual meeting of the American Congress of Rehabilitation Medicine in Dallas, TX. February 2018.
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Languages

Spanish, fluent