

# **Curriculum Vitae**

**Amado X. Freire, M.D., M.P.H.**

**April 2018**

**C Vitae: Amado Freire, M.D., M.P.H.**

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    Scientific Reviewer (Ad Hoc/First & Last Manuscript Reviewed/\*, current): ..... 9

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## CURRICULUM VITAE

Amado Xavier FREIRE, MD, MPH, D-ABSM, D-NCC, FACP, FCCP, FCCM, FAASM, ATS-F.

### PERSONAL INFORMATION:

**Work Address:** Division of Pulmonary, Critical Care, and Sleep Medicine

University of Tennessee Health Science Center, COM at Memphis

956 Court Ave. Room G-228; Memphis, TN 38163

Office Phone: (901) 448-5757; FAX: (901) 448-7726

Pager: (901) 242-3160; Mobile: (901) 628-5680

**E-mail:** [afreire@uthsc.edu](mailto:afreire@uthsc.edu)

[www.uthsc.edu/pulmonary](http://www.uthsc.edu/pulmonary)

**Date of Birth:** February 1, 1954

**Place of Birth:** Guayaquil, Ecuador

**Citizenship:** USA

**Passport** 52657XXXX

**SSN No.** XXX-XX-XXXX & **DEA** \*\*-\*4287

**NPI No.** 144-72-1740-1 & **UPIN** \*\*\*\*92

**Languages:** Fluent in English and Spanish

**Married with:** Nancy E. Freire (Villamar), M.D. (Pediatrics)

**Father of:** Michelle (1982, D.D.S.), Pamela (1985, M.D.-Peds Hem-Onc) & Xavier (1994 B. A.)

### PRESENT ACADEMIC RANK AND POSITION:

07/2008 – \* Professor of Medicine, Department of Medicine, UTHSC COM at Memphis  
Division of Pulmonary, Critical Care, and Sleep Medicine

07/2005 – \* Tenured, University of Tennessee Health Science Center COM at Memphis

04/2004 – \* Division Chief, Pulmonary, Critical Care, and Sleep Medicine, UTHSC COM - Memphis

### HIGHER EDUCATION:

02/1979 **Doctor in Medicine and Surgery:** University of Guayaquil, School of Medicine.  
Guayaquil, Ecuador

05/1986 **Master of Public Health:** The Johns Hopkins University School of Hygiene and Public Health.  
Baltimore, Maryland

### Graduate Training (Residency & Fellowship):

07/1985 – 06/1988 Resident in Preventive Medicine, The Johns Hopkins University  
School of Hygiene and Public Health. Baltimore, Maryland

07/1983 – 06/1985 Fellow in Pulmonary Diseases, Mount Sinai Services  
City Hospital Center at Elmhurst. New York City, New York

07/1980 – 06/1983 Resident in Internal Medicine, Mountainside Hospital  
Montclair, New Jersey (Afl: The UMDNJ at Newark)

### BOARD CERTIFICATIONS:

09/1983 Diplomate, American Board of Internal Medicine (ABIM # 089997) - Life

10/2001 Re-Certified of Internal Medicine (until 2011)

11/1986 Subspecialty of Pulmonary Diseases (ABIM # 089997) - Life

05/2000 Re-Certified Pulmonary Diseases (until 2010)

11/2007 Subspecialty of Sleep Medicine (ABIM # 089997) / (until 2017)

03/2005 Diplomate, American Board of Sleep Medicine (ABSM) - Life

12/2013 Diplomate, Neuro Critical Care United Council Neurologic Subspc (NCC 00874-13) / (until 2023)

### MEDICAL LICENSES:

USA: Tennessee (07/1999, No. 31816/Active); New York (07/1983, No. 155197-1/Inactive) New Jersey  
(09/1982, No. 41265/Inactive) & ECUADOR (02/1980, No. 2203-CMG/Active)

**Updated:** April 10, 2018

## INVENTIONS:

1. Memphis Sleepiness Score: Presented at ASSM Meeting 2015 06/2015  
A composite tool using four parameters (software Visual Basic.exe program) that integrates both questionnaires and 2 test of vigilance (PVT, Driving) available to anybody/anywhere with internet access.
2. Memphis Score (ICU Pain Estimator). Presented at Chest 2001; 120(4): 255s.  
Means of Evaluating & Monitoring Pain in a Hospital ICU Setting. A Tool to Quantify “Background Pain Load” in Non-Communicative Intensive Care Unit Patients.

## SPECIAL HONORS:

03/2016 “Medical Service Honor” National Hispanic Medical Association (NHMA)  
03/2015 “Medical Service Honor” National Hispanic Medical Association (NHMA)  
07/2013 “America’s Top Doctors” (Pulmonary & Sleep Medicine, CRC)  
02/2012 “Presidential Citation” Society of Critical Care Medicine, Houston – Texas (4th)  
01/2011 “Presidential Citation” Society of Critical Care Medicine, San Diego – California (3rd)  
03/2010 “Medical Service Honor” National Hispanic Medical Association (NHMA)  
01/2010 “Presidential Citation” Society of Critical Care Medicine, Miami – FL (2nd)  
12/2009 “Top 20 Teachers, Department of Medicine” UTHSC COM at Memphis  
06/2009 “Teacher of the Year” PCCM Fellowship UTHSC COM at Memphis  
02/2009 “Presidential Citation” Society of Critical Care Medicine, Nashville – TN (1st)  
07/2007 “Honorary Guest” Guayaquil, Ecuador Mayor: Abg. Jaime Nebot-Saadi  
03/2007 “Board of Directors—Member”, United Way of the Midsouth (Term — 2013)  
2004 “Leadership Development” National Hispanic Medical Association (NHMA) Class of 2003-04  
2003 “Special Award” Radio Ambiente WGSF 1030 AM Program “De Mujer a Mujer”  
2003 “Master Clinician” University of Tennessee Health Science Center COM at Memphis  
09/2003 “Alma Latina Award” Latino Memphis, September 25, 2003  
09/2003 “Honorary Councilman” Mayor William Herrenton City of Memphis, TN, September 25, 2003  
2002 Listed America’s Registry of Outstanding Professionals # 49792, since 2002 – 2003 cycle  
10/2002 “Most Improvement—Award” (Medical ICU), The Regional Medical Center “The MED”  
10/2001 “Governors Community Service Award” 2001 – given by the “Chest Foundation”  
Philanthropic arm of the American College of Chest Physicians (ACCP)  
05/1999 “Honorary Member” Peruvian Society of Pulmonary Diseases  
05/1986 “Honorary Citizenship” Baltimore, Maryland Mayor: William Donald Shafer

## University Awards (Medical School):

1978 “Accesit al Contenta” Medical School, University of Guayaquil, Ecuador  
(For: **Academic Achievement** during the entire medical school years)  
1975 – 1978 “Mención de Honor” Medical School years 3<sup>rd</sup> to 6<sup>th</sup>  
1973 – 1974 “Primer Premio” Medical School years 1<sup>st</sup> and 2<sup>nd</sup>  
(For: **Academic Achievement** during individual years of medical school)

## PREVIOUS ACADEMIC POSITIONS:

07/2015 – 02/2018 Associate Chairman (Education-Student Programs), UTHSC Dept. of Medicine  
02/2012 – 04/2017 Director, Wesley Sleep Disorders Center, Cordova, TN  
02/2000 – 10/2013 Director, Medical Intensive Care Unit, PCU, RT, & Pulmonary Service  
The Regional Medical Center (The Med), Memphis TN  
01/2009 – 07/2013 Director, Memphis Sleep Diagnostics, Sleep Disorders Center  
07/2002 – 09/2008 Associate Professor of Preventive Medicine  
UT Health Science Center, College of Medicine at Memphis  
07/2002 – 06/2008 Associate Professor of Medicine, Department of Medicine UTHSC COM  
Division of Pulmonary, Critical Care, and Sleep Medicine  
08/2004 – 04/2007 Fellowship Program Director, Pulmonary and Critical Care Medicine, UTHSC  
08/1999 – 06/2002 Assistant Professor of Medicine, Department of Medicine UTHSC COM  
Division of Pulmonary and Critical Care Medicine  
02/2000 – 06/2002 Assistant Professor of Preventive Medicine

09/1996 – 07/1999 UT Memphis Health Science Center, College of Medicine at Memphis  
 Director, Pulmonary and Critical Care Medicine Training Program  
 School of Graduate Medicine: University of Guayaquil, Ecuador

05/1993 – 08/1996 Aux. Professor of Medicine, Pulmonary Diseases  
 School of Medicine: University of Guayaquil, Ecuador

05/1992 – 04/1993 Aux. Professor of Medicine, Internal Medicine  
 School of Medicine: University of Guayaquil, Ecuador

09/1983 – 04/1985 Instructor (Pulmonary Diseases), Department of Medicine  
 Mount Sinai School of Medicine, CUNY. New York

Part time (&/or Volunteer):

09/2013 – \* Medical Director, Sleep (PSNG) Technician Program  
 Concorde Career College. Memphis, TN

02/2000 – \* Medical Director, Respiratory Therapy Program  
 Concorde Career College. Memphis, TN

04/2011 – \* Professor (External), Medicina del Enfermo Crítico - Training Program.  
 U de Guadalajara, Jalisco - Mexico

07/2008 – 06/2013 Adjunct Professor, Master of PH Program (Director: Marian Levy, Dr. P.H.)  
 University of Memphis, Graduate School

05/1977 – 01/1979 Teach. Assistant Internal Medicine, Department of Medicine  
 School of Medicine: University of Guayaquil, Ecuador

05/1976 – 01/1978 Teach. Assistant Semiology, Department of Medicine  
 School of Medicine: University of Guayaquil, Ecuador

**HOSPITAL CLINICAL APPOINTMENTS (Memphis, TN):**

03/2015 – 2016 Attending Physician, American Sleep Medicine

03/2009 – \* Attending Physician, Hardin Medical Center, Savannah, TN/ Sleep Medicine

09/2005 – \* Attending Physician, Memphis VAMC/Sleep Medicine (Part Time, 6/8<sup>th</sup>)

07/2004 – 2013 Attending Physician, Methodist (Central) University Hospital

08/1999 – 2014 Attending Physician, Regional One Medical Center, Memphis (The MED)

08/1999 – 2005 Attending Physician, Memphis VAMC (WOC)

08/1999 – 2004 Attending Physician, William Bowld University Hospital (UT)

08/1999 – 2003 Attending Physician, Baptist Hospital (Central)

**CLINICAL AND ADMINISTRATIVE EXPERIENCE:**

07/1995 – 02/98 Physician in Chief, Medical Director Instituto Oncológico Nacional “Dr. Juan Tanca Marengo” ION-SOLCA Sociedad de Lucha Contra el Cáncer del Ecuador  
 Guayaquil, Ecuador

07/1990 – 07/99 Director, Pulmonary Diseases Division Instituto Oncológico Nacional “Dr. Juan Tanca Marengo”; ION-SOLCA Sociedad de Lucha Contra el Cáncer del Ecuador  
 Guayaquil, Ecuador

12/1991 – 12/94 Director, Department of Medicine Hospital Clínica Kennedy; Guayaquil, Ecuador

06/1991 – 02/94 Director, Pulmonary Diseases Division Hospital Policia Nacional No. 2;  
 Guayaquil, Ecuador

01/1990 – 07/99 Attending Physician, (Private Practice limited to Critical Care, Pulmonary Diseases & Internal Medicine) Hospital Clínica Kennedy, Guayaquil, Ecuador

07/1985 – 11/89 Staff Physician. The Flashner Medical Partnership Long Island, New York  
 (MAXICARE - HMO Provider)

11/1984 – 10/89 Emergency Room Physician, Physician Hospital (Part time)  
 Queens, New York (Average: 24 hours/week)

07/1984 – 1985 Emergency Room Physician, Boulevard Hospital (Part time)  
 Queens, New York (Average: 24 hours/week)

**HOSPITAL AND PRACTICE COMMITTEES:**

2011 – 2013 Burn Unit, M&M Committee

2009 – 2013 Chair, The MED Prevention, Management, & Control of ICU Infections  
 2007 – 2008 Member Utilization Management Committee, TLC Family HealthPlan  
 2005 – 2008 Outcome Improvement (“Move the Dot”) Committee: The MED H. Chair: S Polly, MD.  
 2005 – 2013 Organ & Tissue Donor Committee, The MED H. Chair: Tiffany Bee, MD.  
 2003 – 2005 Consultant to the Medical Director (Dr. D. Grant), TLC Family HealthPlan Asthma/COPD  
 2002 – 2007 TennCare Center of Excellence Steering Committee (Respiratory Diseases)  
 2002 – 2007 Member, Community Advisory Council (CAC) for “En Memphis: Hablamos Juntos”  
 (Translated: “In Memphis, We Speak Together”)  
 2002 – 2013 Member, Infection Control Committee: The MED H. Chair: Mack Land, MD, MACP.  
 2002 – 2004 Member, Infection Control Committee: Bowld H. Chair: M. Appleton, MD.  
 2002 – 2002 Chair, Bed Utilization (ICU) UMC, The MED & JURAN workgroup  
 2001 – 2011 Member, Memphis & Shelby Co Air Pollution Control Board  
 Appointed by Shelby Co (A. C. Wharton) & Memphis City (W. Herrenton) Mayors  
 Re-Appointed 2006 & 2009  
 2001 – 2006 Member, Length of Stay Committee: The Regional Medical Center at Memphis  
 2000 – 2008 Member, Asthma Management Program Steering Committee, TLC Family HealthPlan  
 2000 – 2011 Member, Special Care Committee: Regional Medical Center at Memphis  
Medical Directorships:  
 2008 – 2013 Memphis Sleep Diagnostics: Sleep Disorders Center  
 2008 – 2011 Interim Director, Adult Cystic Fibrosis Program, UTHSC COM at Memphis  
 2008 – 2009 Interim Director, VAMC at Memphis: Sleep Disorders Center  
 2000 – 2013 The MED: G-ICU, PCU (Progressive Care Unit), Respiratory Care, Bronchoscopy Lab, PFT  
 Lab, Rapid Response Team, Outpatient Pulmonary Clinic, Asthma Education

**MEDICAL SOCIETIES AND PROFESSIONAL AFFILIATIONS:**

National & International:

2018 Fellow (Inaugural), American Thoracic Society (# 07913)  
 2011 Member, Sleep Research Society (SRS # 165872)  
 2007 Fellow, Society of Critical Care Medicine (FCCM # 32046)  
 2005 Fellow, American Academy Sleep Medicine (FAASM # 165872)  
 2004 International Member, European Society Intensive Care Medicine  
 2004 Member, National Hispanic Medical Association (NHMA)  
 2003 Member, American Association Respiratory Care AARC (# 9399151)  
 2002 Member, European Respiratory Society (# 108942)  
 2002 Member, Asociación Latinoamericana del Tórax ALAT (# 0311)  
 2001 Member, Society of Critical Care Medicine (# 32046)  
 1999 Member, International Association for the Study of Lung Cancer (# 234212)  
 1998 Member, American Medical Association (AMA # 31903790035)  
 1995 Member, New York Academy of Sciences (# 386175-7)  
 1994 Fellow, American College of Physicians (FACP # 71680)  
 1994 Member, World Association for Bronchology  
 1994 Member, American Association for Bronchology  
 1994 Member, American Sleep Disorders Association  
 1993 Fellow, American College of Chest Physicians (FCCP # 1263)  
 1987 Member, American Thoracic Society (# 07913)  
 1986 Member, American Association for the Advancement of Science (# 2182238)

Regional & Local:

2014 Member, Southern Sleep Society  
 2013 Member, Tennessee Sleep Society  
 2006 Member, Southern Medical Association (SMA # R95955)  
 2005 Member, Southern Society for Clinical Investigation  
 2001 Member, Memphis Academy of Internal Medicine  
 2000 Founder President, Society of Latin American Physicians-Memphis  
 1998 Founding Member, Society of Critical Care Medicine, Capítulo Guayas (Ecuador)

- 1997 Member, Academia Nacional de Ciencias, CC Biol-Nat & Salud (Ecuador)
- 1996 Founding President, Sociedad de Infectología, Capítulo Guayas (Ecuador)
- 1996 Founding Member, Sociedad de Editores Médicos (Ecuador)
- 1995 Member, Sociedad Ecuatoriana de Pediatría, Filial Guayas (Ecuador)
- 1993 Member, Ecuadorian Society of Allergy (Ecuador)
- 1992 Member, Benemérita Sociedad Médico Quirúrgica del Guayas (Ecuador)
- 1991 Member, Sociedad de Especialistas del Tórax, SEDET (Ecuador)
- 1988 Alumni, Johns Hopkins University Alumni Association (# 0564073)
- 1980 Member, Ecuadorian Society of Tuberculosis and Chest Diseases (Ecuador)
- 1980 Founding Member, Ecuadorian Society of Electron Microscopy (Ecuador)

**SCIENTIFIC SOCIETIES LEADERSHIP AND COMMITTEE PARTICIPATION:**

- 2009 – 2013 American College of Chest Physicians (ACCP), Ethics Committee
- 2006 – 2012 Member CPG Committee on ICU Hyperglycemia SCCM Chair: J Jacobi, PharmD, FCCM.
- 2006 – 2011 “Lung Club” Co-Founder/Director, Southern Society of Clinical Investigation
- 2006 – 2007 American Medical Association (AMA) Hispanic Physicians Leaders Task Force
- 2000 – \* President, Society of Latin American Physicians (Memphis)
- 1998 – 2000 Vice-President Ecuadorian Society of Tuberculosis and Chest Diseases. (Ecuador)
- 1998 – 2000 Vice-President Sociedad de Editores Médicos. (Ecuador)
- 1997 – 1999 Member Asthma Board, CANDEAN Region
- 1996 – 1998 Founding President Sociedad de Infectología, Capítulo Guayas. Guayaquil, Ecuador
- 1992 – 1994 Vice-President Benemérita Sociedad Médico Quirúrgica del Guayas (BSMQG).  
Guayaquil, Ecuador
- 1991 – 1995 Director SOLCA, Lung Cancer Tumor Committee (Sec: Management, Diagnosis & Treatment)

**EDITORIAL ACTIVITIES:**

Editor-in-Chief (Ad Hoc):

- 2014 – 2018 Annals of Occupational and Pulmonary Medicine / Editor-in-Chief eManager: DR Vana  
<http://www.aopmjournals.org/>

Board Member (Ad Hoc/Last accessed March, 2018):

- 2016 – \* The Source Journals of Medical Case Reports. SJ-MCR Publishers. eManager  
<http://sourcejournals.com/journal/source-journal-of-medical-case-reports-sjmcr/editorial-board/>
- 2016 – \* Open Access J Respiratory and Respiratory Sciences. Medwin Publishers. eManager: J Rose  
<http://medwinpublishers.com/OAJPRS/editorial-board.php>
- 2016 – \* SM Emergency Medicine and Critical Care. SM Online Publishers. eManager: Angela Rose  
<http://smjournals.com/emergency-medicine/#>
- 2016 – \* Archives of Emergency Medicine and Critical Care. J SciMed Central. eManager: Stacy Mark  
<http://www.jscimedcentral.com/EmergencyMedicine/editors.php>
- 2016 – \* Austin Journal of Lung Cancer Research. Austin Publishing Grp eManager: Brajen Dungdung  
<http://austinpublishinggroup.com/lung-cancer-research/editorialBoard.php>
- 2016 – \* Pulmonology Research and Respiratory Care. Scientia Ricerca. eManager: Georgia Linda  
<http://scientiaricerca.com/prrc-eb.php>
- 2016 – 18 The Scientific Pages of Pulmonology. The Scientific Pages. eManager Nancy Perez  
<http://thescientificpages.org/page/general-medicine/ebj.php?jid=pulmonology>
- 2016 – 18 The Scientific Pages of Sleep Medicine. The Scientific Pages. eManager M Ellis  
<http://thescientificpages.org/page/general-medicine/scientific-pages-of-sleep-medicine.php>
- 2016 – 18 Gavin Journal of Emergency Medicine. Gavin Publishers. eManager: Maura Woods  
<http://gavinpublishers.com/emergency-medicine-editorial-board/>
- 2016 – 18 Open Access Journal of Science and Technology” (OAJoST). eManager: D Wagner  
<http://www.agialpress.com/journals/oajost/editorialboard/>
- 2016 – \* International Society of Pleural Diseases, *PLEURA*. SAGE Pub. Editor: Maher Tabbá, MD.  
<http://www.pleuralsociety.org/journal.php> (Developing)



- 2015 – \* EC Pulmonology and Respiratory Medicine. E-Cronicon. eManager: Christine Moore  
<https://www.ecronicon.com/ECPRM-EB.php>
- 2015 – \* Journal of Infectious Pulmonary Diseases: Sci Forschen Inc. eManager: Sandra Lisa  
<https://sciforschenonline.org/journals/pulmonary-diseases/editorial-board.php>
- 2015 – \* Archives Pulmonology and Respiratory Care. Peertechz. eManager: Anvi Naicker  
<http://www.peertechz.com/Pulmonology-Respiratory-Care/editorialboard.php>
- 2014 – 17 SM Journal of Pulmonary Medicine. SM Group Open Access Jrnals. eManager: Vivian Garcia  
<http://www.smjournals.com/index.php/pulmonary-medicine/about/editorialTeam>
- 2014 – \* Austin Critical Care Journal. Austin Publishing Grp eManager: Jayne Radke ISSN 2379-8017  
<http://austinpublishinggroup.com/criticalcare/editorialBoard.php>
- 2014 – \* Austin J of Sleep Disorders. Austin Publishing Grp. eManager: Angelina Mark  
<http://austinpublishinggroup.com/sleep-disorders/editorialBoard.php>
- 2014 – \* Austin J of Pulmonary & Respiratory Medicine. Austin Publishing Grp eManager: Alicia Levey  
<http://austinpublishinggroup.com/pulmonary-respiratory-medicine/editorialboard.php>
- 2014 – 15 Advances in Critical Care. Hindawi Publishing Corp. eManager: Aya Essam  
<http://www.hindawi.com/journals/acc/>
- 2013 – 14 BioMed Research International - Critical Care Journal.  
 Hindawi Publishing Corp eManager: Karim Youssef  
<http://www.hindawi.com/journals/bmri/editors/critical.care/>
- 2013 – 15 Journal of Sleep Disorders. Herbert Publications (HOAJ). eManager Asma  
<http://www.hoajonline.com/sleepdisorders/editorialboard>
- 2013 – \* Journal of Sleep Medicine and Disorders. JSciMedCentral. eManager Kristi Brunet  
<http://www.jscimedcentral.com/SleepMedicine/editors.php>
- 2011 – 14 Case Reports in Pulmonology. Hindawi Publishing Corp. eManager: M Anany  
<https://www.hindawi.com/journals/cripu/editors/>
- 2007 – 15 The Open Critical Care Medicine Journal. Bentham Science Publishers. eManager: A Nawab  
<https://benthamopen.com/TOCCMJ/home/> (discontinued)
- 2001 – 15 The Internet Journal of Pulmonary Medicine eEditor-in Chief: AJ. Huaringa, MD, MHA.  
<http://www.ispub.com/journals/ijpm.htm>
- 2001 – 2009 Journal of Critical Care (Ecuador); Editor: Dr. Killen Briones
- 1997 – 2008 *Associate Editor*: “Oncología” (Ecuador). Medical Journal of the ION-SOLCA & the Sociedad de Lucha Contra el Cáncer del Ecuador, SOLCA. Editor: Dr. Jaime Sánchez
- 1993 – 1996 “Oncología” (Ecuador). Medical Journal of the ION-SOLCA & the Soc. de Lucha contra el Cáncer del Ecuador, SOLCA. Editor: Dr. Jaime Sánchez-Sabando
- 1992 – 1994 “Anales de Medicina y Cirugía”(Ecuador), Medical Journal of the Benemérita Sociedad Médico Quirúrgica del Guayas. Editor: Dr. Agustín Loor-Viteri, FCCP.

**Scientific Reviewer** (Ad Hoc/First & Last Manuscript Reviewed/\*, current):

- 2013 – 2016 Annals of Intensive Care Medicine (eEditor: Paul Marik, M.D.)
- 2010 – \* Respiratory Care (Editor: Dean R. Hess, Ph.D.)
- 2009 – \* Southern Medical Journal (Editor: G Richard Holt, M.D.)
- 2009 – 2012 Mayo Clinic Proceedings
- 2009 – 2011 JINS, Journal of the International Neuropsychological Society
- 2008 – 2010 Critical Care Forum (eEditor: JL Vincent, M.D.)
- 2008 – 2009 JCC-Sem Anesthesiology Periop Med & Pain (WFSICCM) (Editor: PD Lumb, MBBS.)
- 2007 – 2008 BioMed Central - Emergency Medicine (eEditor: Melissa Norton, M.D.)
- 2007 – 2012 McMaster Online Rating of Evidence (MORE) (eEditor: Brian Haynes, M.D, PhD.)
- 2006 – 2011 Journal of Diabetes and its Complications (Editor: Philip Raskin, M.D.)
- 2005 – \* American Journal of Medical Sciences (Editor: Jesse Roman, M.D.)
- 2004 – 2008 Journal of Critical Care (Editor: M Pinsky, M.D.)
- 2003 – 2006 Journal of General Internal Medicine JGIM (Editor: EB Bass, M.D.)
- 2003 – 2005 UTHSC Clinical Research Center
- 2002 – \* Chest (Editor: Richard S. Irwin, M.D.)
- 2002 – \* Critical Care Medicine (Editor: Timothy G. Buchman, Ph.D., and M.D.)
- 2000 – 2010 Journal of the American Geriatrics Society (Editor: Robert Palmer, M.D.)

1990 – 1993 “Medicina de Hoy” (Ecuador). (Editor: Dr. Wilson Correa-Bustamante)  
Medical Journal of the Hospital Clínica Kennedy

Professional Organization Meetings (Ad Hoc — Scientific Program Committee):

2010 SCCM Poster Moderator (ICU Hyperglycemia)  
2007 – 2015 SCCM Abstract Reviewer (Outcome Research)  
2001 – 2015 ACCP Abstract Reviewer (COPD, Education, ICU Analgesia, Sleep)  
2000 – \* ACCP Poster Moderator (COPD)

Session Chair or Co-Chair at Scientific Meetings:

10/2006 Moderator (Original Investigation): “Critical Care Outcomes” CHEST 2006, the 72<sup>nd</sup> annual international scientific assembly of the **American College of Chest Physicians** (ACCP). Salt Lake City, Utah

**CERTIFICATES AND DIPLOMAS:**

05/2009 ACLS & BLS provider: 02/21/2017—02/21/2019  
01/2004 Instructor, Fundamentals Critical Care Support (SCCM)  
02/1999 Total Nutrition Therapy – Parenteral and Enteral Nutrition. Latin American Federation of Nutritional Therapy, Clinical Nutrition and Metabolism  
02/1988 Diploma of Pulmonary Diseases Consultant Guayas Medical College (Ecuador) MSP-G # 1123  
02/1984 Diploma of Internal Medicine Consultant Guayas Medical College (Ecuador) MSP-G # 1122  
12/1981 Federal Licensing Examination (FLEX)  
03/1980 Doctor en Medicina y Cirugía Guayas Medical College (Ecuador # 2203) MSP-G # 8803  
09/1979 Visa Qualifying Examination (VQE No. 304-280-1)  
01/1979 Educational Commission for Foreign Medical Graduates (ECFMG No. 304-280-1)

**OTHER PROFESSIONAL, COMMUNITY-CIVIC, & VOLUNTEER ACTIVITIES:**

2009 -11 UTHSC Hispanic American Heritage Month Committee, member  
2008 -10 “Levitt Shell - Noche Latina” Memphis Concert Series, Advisor  
2007 -13 “Board of Directors—Member”, United Way of the Midsouth (2007-09) (2009-11) (2011-13)  
2006 CNN (radio) en Español, COPD advisor  
2005 -\* Clínica Esperanza (“Hope Clinic”) free clinic for inner city Memphis-Latinos  
2002 Medical Advisor March of Dimes Smoking Cessation, Memphis Branch  
2002 Community Educator Am Heart Association (Latino Community 2002 – current)  
2001 -\* Director “Salud y Medio Ambiente” Weekly Health Education Program Radio Ambiente 1030 AM-WGSF, Memphis  
<http://memphis.bizjournals.com/memphis/stories/2001/12/24/focus2.html>  
1997 Member Guayaquil City Club (–1999)  
1996 -\* Member Puerto Lucia Yacht Club  
1993 -\* Member Biological Sciences Section, Casa de la Cultura Ecuatoriana Núcleo del Guayas  
1992 -\* Member Guayaquil Red Cross; (10/20 years - Service Medal: 2002/12)  
1991 -\* Member Club Nacional (Guayaquil)  
1990 -\* Member Guayaquil Country Club  
1990 -\* Member Benemérita Sociedad Filantrópica del Guayas  
1985 Physician Benemérita Soc Unión de Panaderos de Socorros Mutuos (–2008)

**PEER REVIEWED PUBLICATIONS:**

**Pub Med – Link** → [PubMed](#)

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed&cmd=DetailsSearch&term=Freire%20ax>

**Google Scholar - Link – (Includes Citations//Total # 2237; Until 2018 - 0401)**

<https://scholar.google.com/citations?hl=en&user=JxLmL4AAAAJ>

<http://scholar.google.com/scholar?q=%22author:A.+X.+author:Freire%22&hl=en&lr=&start=0&sa=N>

**Web of Knowledge - Thomson Reuters (Includes Citations)**

Times cited: 928; Citing: Critical Care 31.14% Pulmonary 14.00% Endo 11.85% Internal Med 11.53% // @ 2017-0822

[http://apps.webofknowledge.com/Search.do?product=UA&SID=3FDigGVdHrsOCaphhp&search\\_mode=GeneralSearch&prID=8f8ec545-b91c-4d49-b242-2951f0925f53](http://apps.webofknowledge.com/Search.do?product=UA&SID=3FDigGVdHrsOCaphhp&search_mode=GeneralSearch&prID=8f8ec545-b91c-4d49-b242-2951f0925f53)

[http://apps.webofknowledge.com/summary.do?product=UA&search\\_mode=GeneralSearch&qid=2&SID=2CNj1njJHjNNALJ7l@o&page=1&action=sort&sortBy=TC.D&showFirstPage=1](http://apps.webofknowledge.com/summary.do?product=UA&search_mode=GeneralSearch&qid=2&SID=2CNj1njJHjNNALJ7l@o&page=1&action=sort&sortBy=TC.D&showFirstPage=1)

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2. Aron A, Manchanda-Aron U, **Freire AX**. Candida Endocarditis Presenting as Acute Myocardial Infarction. AJRCCM 2017; 196:4-6e [PMID 28418699]
3. Lanfranco J, Romero-Legro I, **Freire AX**, Nearing K, Ratnakant S. Pulmonary Air Embolism: An Infrequent Complication in the Radiology Suite. Am J Case Rep 2017; 18:80-84. [PMID 28115731] Google Scholar Cited 1
4. Alsharif AM, Potts M, Laws R, **Freire AX**, Sultan-Ali I. Unattended Sleep Studies in a VA Population: Initial Evaluation by Chart Review vs. Clinic Visit by a MidLevel Provider. So Med J 2016; 109:577-681. [PMID 27706510]
5. **Freire AX**, Mohamed SF, Murillo LC, Romero-Legro IH, Muthiah MP. Patient demographics and socioeconomic characteristics of an ambulatory care clinic served by a university PCCM training program. South Med J 2015; 108:516-9. [PMID 26332474]
6. Molnar MZ, Mucsi I, Novack M, Szabo Z, **Freire AX**, et al. Association of incident obstructive sleep apnea with outcomes in a large cohort of US veterans. Thorax 2015; 70:888-95. [Epub ahead of print Jun 2, 2015]. [PMID 26038534] Google Scholar Cited 60
7. **Freire AX**, Sultan-Ali I. Are the majority of health care workers in tertiary hospital getting adequate amount of sleep? South Med J 2014; 107:17-8. [PMID 24389780] Google Scholar Cited 1
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9. Adams-Graves P, Daniels AB, Womack CR, **Freire AX**. Bone Mineral Density Patterns in Vitamin D Deficient African American Men with Sickle Cell Disease. Am J Med Sci 2013; Mar 27 [Epub ahead of print]. [PMID 23538935] Google Scholar Cited 6
10. Kadaria D, Archie DS, Sultan-Ali I, Weiman DS, **Freire AX**, Zaman MK. Dual Time Point Positron Emission Tomography/Computed Tomography Scan in Evaluation of Intrathoracic Lesions in an Area Endemic for Histoplasmosis and with High Prevalence of Sarcoidosis. Am J Med Sci 2013; 346:358-62. [PMID 23276900] Google Scholar Cited 25
11. Jacobi J, Bircher N, Krinsley J, Agus M, Braithwaite SS, Deutschman C, **Freire AX**, Geehan D, Kohl B, Nasraway SA, Rigby M, Sands K, Schallom L, Taylor B, Umpierrez GE, Mazuski J, Schunemann H. Guidelines for the use of insulin infusion for the management of hyperglycemia in critical ill patients. Crit Care Med 2012; 40: 3251-76. [PMID: 23164767] Google Scholar Cited 329
12. Manjunath SK, Sarva ST, Yataco JC, Murillo LC, AVECILLAS JF, **Freire AX**. Psychiatric Disorder Does Not Preclude Adequate Continuous Positive Airway Pressure Titration. Am J Med Sci 2013; 346:104-7. [PMID 23138124]
13. Pant N, Kadaria D, Murillo LC, Yataco JC, Headley AS, **Freire AX**. Abdominal pathology in patients with diabetic ketoacidosis. Am J Med Sci 2012; 344:341-4. [PMID 23095441] Google Scholar Cited 11
14. **Freire AX** Murillo LC. Parenteral nutrition: lipid (Soybean) versus lipid (olive oil); same... or maybe not? Critical Care Med 2012; 40:1974-5. [PMID: 22610208]
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23. Sarva ST, Manjunath SK, Baldwin HS, Robins DB, **Freire AX**. Lung scedosporiosis in human immunodeficiency virus/acquired immunodeficiency syndrome. *Am J Med Sci* 2010; 339:300-3. [PMID: 20220340] Google Scholar Cited 8
24. **Freire AX**, Murillo LC. How “sweet” complexity is and how “bitter” variability can be; the new aspect of intensive care unit hyperglycemia. *Crit Care Med* 2010; 38:996-7. [PMID: 20168163] Google Scholar Cited 5
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28. Gupta M, Gaffari M, **Freire AX**. Rhabdomyolysis in a Patient with West Nile Encephalitis and Flaccid Paralysis. *Tenn Med* 2008; 101:45-7. [PMID: 18488686] Google Scholar Cited 11
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43. **Freire AX**. CPAP in Obstructive Sleep Apnea. *NEJM* 2016; 375:2301. [27959681]
44. **Freire AX**, AVECILLAS JF, Yataco JC, Freire NE. Hypoglycemia risk: a cause for concern in the intensive care unit hyperglycemia control debate. *Crit Care Med* 2007 35:1222. [PMID: 17413809]
45. Latif KA, **Freire AX**, Umpierrez GE, Qureshi N, Kitabchi AE. The use of Alkali Therapy in Severe Diabetic Ketoacidosis (DKA). *Diabetes Care* 2002; 25:2113-4. [PMID: 12401775] Google Scholar Cited 28

Short, Open Access, & e-Communications:

46. Sarva ST, Manjunath SK, Osarogiagbon RU, **Freire AX**. Hepatic Sequestration in Sickle Cell Anemia. *Tennessee Medicine e-Journal* 2015 1(3) 1-4.  
Available at: <http://ejournal.tnmed.org/home/vol1/iss3/1>
47. Wood GC, Adamczyk K, Boucher BA, Croce MA, Kuhl DA, Rhea CL, Chambers MP, Swanson JM, **Freire AX**, Fabian TC. Short-Term Fluconazole Therapy for the Treatment of Candiduria. *Clinical Medicine Insights: Trauma and Intensive Medicine* 2015; 6: 19-23.  
*Libertas Academica* doi:10.4137/CMTIM.S20140 &/or <http://dx.doi.org/10.4137/CMTIM.S20140>
48. **Freire AX**, Kadaria D, Soto-Rivera C, Agus M. SCCM Unveils Insulin Infusion Guidelines for Glycemic Control. *Critical Connections* 2012; 11(6 Dec-Jan 2013):1 & 14.
49. **Freire AX**. Conducting Clinical Research: A Practical Guide for Physicians and Nurses. Book Review — *Critical Care Medicine* 2012; 40:1696. DOI: 10.1097/CCM.0b013e31824ff83c
50. Kadaria D, **Freire AX**. Remote Pulse Oximetry: Making Strides in Ambulatory Setting. *Advance Respiratory Care and Sleep Med* 2011; 20: 12.
51. **Freire AX**, Yataco JC. Sleepiness in residents: A cause of concern or room for improvement. *UT-GME Insider* 2009; 1(3):1-4.
52. El-Gamal A, **Freire AX**, Muthiah MP. A Case of Pseudo-Meigs Syndrome. *J Resp Diseases* 2008; 29:83-4.

53. Alturkmani R, Kadaria D, Ali M, Koirala K, **Freire AX**, Muthiah MP. Systemic Sclerosis sine Scleroderma Presenting as Nonspecific Interstitial Pneumonia (NSIP). *J Investigative Med* 2008; 56:412-3. Google Scholar Cited 1
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<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijpm/vol5n2/pavm.xml>
55. **Freire AX**, Briones K, Freire NV, Paulson G. Unidades de diagnóstico rápido. Una alternativa en America Latina para el manejo del cáncer de pulmón y de neoplasias de otros órganos sólidos. Editorial "El Hospital" (de B2Bportales). <http://www.elhospital.com/> Webmaster: [mgarzon@b2bportales.com](mailto:mgarzon@b2bportales.com) 2003.
56. John BE, **Freire AX**. Neurogenic Pulmonary Edema (Photoclinic). *Consultant* 2002; 42(3):429.

Original Publications in Latin America: (peer reviewed)

57. **Freire AX**, Salazar FR, Freire NV, Alvarez SZ. Cuerpo Extraño en vía aérea del adulto: "Extracción odontoprostésica sin dolor" por video-broncoscopia. *Enfermedades del Tórax (Perú)* 2000; 43:48-9.
58. **Freire AX**. Mortalidad en Pacientes con Cáncer en Cuidados Intensivos. Ventilados vs. No Ventilados (Let). *Oncología (Ecuador)* 2000; 10:81.
59. **Freire AX**, Freire N, Naranjo KV. Internet para Onco-hematólogos. *Oncología (Ecuador)* 1998; 8:227-231.
60. **Freire AX**, Naranjo KV, Freire N. Bronquiectasias congénitas en el adulto. Reporte de dos casos y revisión de la literatura. *Medicina (Ecuador)* 1998; 4:173-177. [BIREME BVS/ LILACS ID: 249425]
61. **Freire AX**, Freire N, Salazar F, Alvarado IJ. Linfadenitis Tuberculosa Mediastinal del Adulto VIH Negativo (con Parénquima Pulmonar Normal) en un Area de Alta Prevalencia: Reporte de tres casos con presentación pseudotumoral y revisión de la literatura. *Oncología (Ecuador)* 1997; 7:105-110. [BIREME BVS/ LILACS ID: 235366]
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72. **Freire AX**, Freire N, Freire AS. Estudio demográfico y de utilización de la espirometría computarizada. *Ann Med Cirug (Ecuador)* 1992; 5:33-37.

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Accepted For Publication: (in press)

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Iyer P, **Freire AX**, Burnette E, Miller E, Laws R. Assessment of Noise Levels between Medical Intensive Care Unit and Sleep Laboratory in a VA Hospital. *Submitted to Sleep Medicine* 2018

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Carratù P, Quasney MW, Stentz FB, **Freire AX**, Zhang Q, McArthur J, Meduri GU. TNF- $\alpha$  and LT- $\alpha$  Gene Polymorphism in Acute Respiratory Distress Syndrome (ARDS). To be *submitted to Crit Care Medicine*

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### **ABSTRACTS 2000-15 (Posters, Slides, & Platform Presentations)**

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#### 2001:

6. Van Brunt DL, Tolley EA, **Freire AX**, Guereri A. Sleep Deprivation and Recovery Sleep in Ventilator Assisted ICU Patients. Society Behavioral Medicine, 2001 National Meeting (March 21-25, 2001). Poster Presentation. *Annals of Behavioral Medicine* 2001; 23:110A.
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8. **Freire AX**, Umpierrez GE, Bridges L, Latif K, Kitabchi AE. Predictors of Length of Hospital Stay in Diabetic Ketoacidosis: The Utility of Apache II. The Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO (June 20-23, 2001). Poster Presentation. *Endo* 2001: 219A<sup>P1-328</sup>.
9. **Freire AX**, Cawley P, Phelps S, Bridges L, Afessa B. Patient Characteristics & Analgesia Ordering Behavior in Medical Intensive Care Patients and Influence in Outcome. American Thoracic Society 97<sup>th</sup> International Conference. San Francisco, CA (May 18-23, 2001) Platform: **Slide Presentation**. *Am J Respir Crit Care Med* 2001; 163(s): A954.
10. **Freire AX**, Cawley P, Phelps S, Bridges L, Afessa B. MEMPHIS SCORE Means of Evaluating & Monitoring Pain in a Hospital ICU Setting. A pain estimation tool in the medical intensive care unit. American Thoracic Society 97<sup>th</sup> International Conference. San Francisco, CA (May 18-23, 2001) Poster presentation. *Am J Respir Crit Care Med* 2001; 163(s): A899.
11. **Freire AX**, Afessa B, Bridges L, Hofmann ME, Bradford D. APACHE II vs. LODS ICU Outcome in the Elderly (> 65 years old). *Am J Respir Crit Care Med* 2001; 163(s): A251.
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#### 2002:



15. Talley CH, Wicks MN, **Freire AX**, Tolley EA, Meibohm B, Martin JC. Predictors of burden in spousal caregivers of patients with COPD. Southern Nursing Research Society 16<sup>th</sup> Annual Conference. San Antonio, TX (February 7, 2002). Poster Presentation.
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  18. Latif K, **Freire AX**, Umpierrez GE, Qureshi MN, Kitabchi AE. The use of Alkali Therapy in Severe Diabetic Ketoacidosis (DKA). American Federation for Medical Research, 2002 (Southern Regional) Meetings. New Orleans, LA (March, 2002). Platform: **Slide Presentation**. *J Investig Med* 2002; 50: 102A<sup>#537</sup>.
  19. Latif K, Umpierrez GE, Stoeber J, Blaho K, **Freire AX**, Parks L, Culbreath B, Kitabchi AE. Subcutaneous Lispro Insulin in the Treatment of Diabetic Ketoacidosis. American Diabetes Association 62<sup>nd</sup> Annual Meeting. San Francisco, CA (June 2002) Poster/Abstract Presentation.
- 2003:
20. Meibohm B, Gupta M, Talley CH, **Freire AX**, Wicks MN, Tolley EA, Yates CR. cDNA Array Analysis Indicates Upregulation of CXCR2 and CXCR5 Expression in COPD. American Thoracic Society 99<sup>th</sup> International Conference. Seattle, WA (May 16-21, 2003) Platform: **Slide Presentation**. *Am J Respir Crit Care Med* 2003; 167(s): A939. Mini-Symposium D84 COPD: What Can the Genes Tell Us? Wednesday 05/21/2003 1:30 PM - 4:15 PM.
  21. Talley CH, Wicks MN, **Freire AX**, Martin JC, Meibohm B, Tolley EA. Depression in Caregiver-Care Recipient Dyads Coping with COPD. Association of Military Surgeons of the United States (AMSUS) 109<sup>th</sup> Annual Meeting, Federal Nursing Section. San Antonio, Texas (November 16-21) Poster/Abstract Presentation.
- 2004:
22. **Freire AX**, Bridges L, Kuhl D, Umpierrez GE. Does admission hyperglycemia predict higher hospital mortality in a younger-adult medical ICU population? American Thoracic Society 100<sup>th</sup> International Conference. Orlando, FL (May 21-26, 2004) Poster Presentation. *Am J Respir Crit Care Med* 2004; 169(s): A626.
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  24. **Freire AX**, Bridges L, Paccasassi J, Kuhl D, Cheema F, Pugazhenth M. APACHE II in a younger-adult medical ICU—a case mix, severity of illness, mortality trend, and adjustment tool. UTHSC 2<sup>nd</sup> Annual Health Services Research Day. Poster Presentation. Memphis, TN (Oct 13, 2004).
  25. **Freire AX**, Stephens M, Riggs K, Sultan-Ali I, Grant D. Community acquired pneumonia incidence in a younger-adult medical-underserved minority-population. UTHSC 2<sup>nd</sup> Annual Health Services Research Day. Poster Presentation. Memphis, TN (Oct 13, 2004).
- 2005:
26. Meduri GU, Golden E, **Freire AX**, Taylor E, Zaman M, Carson SJ, Gibson M, Umberger R. Methylprednisolone infusion significantly improves lung function in patients with early acute respiratory distress syndrome: results of a randomized controlled trial. CHEST 2005, the 71<sup>st</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 29-November 3, 2005, in Montreal, Canada (abst). Platform: **Slide Presentation**. *Chest* 2005; 128(4): 129s.
  27. Chambers MP, Kuhl DA, Wood GC, Boucher BA, **Freire AX**. Increased Systemic Candidiasis in ICU Patients with Prolonged Antifungal Treatment of Candiduria. CHEST 2005, the 71<sup>st</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 29-November 3, 2005, in Montreal, Canada (abst). Platform: **Slide Presentation**. *Chest* 2005; 128(4): 134-5s.
- 2006:

28. Meduri GU, Golden E, **Freire AX**, Taylor E, Zaman M, Carson S, Gibson M, Umberger R. Methylprednisolone infusion significantly improves lung function in patients with early acute respiratory distress syndrome (ARDS): results of a randomized controlled trial (RCT). 35<sup>th</sup> Critical care Congress of the Society of Critical Care Medicine (SCCM). January 6-11, 2006 in San Francisco, CA (abst). Platform: **Slide Presentation**. CCM 2005; 33(6): 19s.
29. Cheema F, **Freire AX**, Dohan Jr. FC, Handorf CR, Patil S, Aleech Y, Perry A. Myoepithelial carcinoma of the lung: a case report. CHEST 2006, the 72<sup>nd</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 21-26, 2006, in Salt Lake City, Utah (Case Report). Platform: **Slide Presentation**. Chest 2006; 130(4): 314s.

2007:

30. Avecillas JF, Koirala K, **Freire AX**, Nasser W, Yataco JC. Predictors of the metabolic syndrome in patients undergoing overnight polysomnograms. American Thoracic Society 103<sup>rd</sup> International Conference. San Francisco, CA. May 18-23, 2007. Poster Presentation. AJRCCM 2007; 175(s): A<sup>#54</sup>.

2008:

31. Manjunath SK, Zaidi SJ, Johns C, **Freire AX**, Muthiah MP. Solitary Squamous Papilloma of the Lung. Southern Society of Clinical Investigation. Feb 21-3, 2008, in New Orleans, LA. (Case Report). Platform: **Oral Presentation**. AFMR Abstracts (Southern Region). Journal Investigative Med 2008; 56(1): 348A<sup>#15</sup>.
32. Murillo LC, Mohamed SF, Avecillas JF, Muthiah MP, Yataco JC, **Freire AX**. Patients Demographics and Socioeconomic Characteristics of an Ambulatory Care Clinic Served by the University of Tennessee PCCM Training Program. Southern Society of Clinical Investigation. Feb 21-3, 2008, in New Orleans, LA. Poster Presentation. AFMR Abstracts (Southern Region). Journal Investigative Med 2008; 56(1): 381 A<sup>#116</sup>.
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34. Alturkmani R, Kadaria D, Ali M, Koirala K, **Freire AX**, Muthiah MP. Systemic Sclerosis Sine Scleroderma Presenting as Nonspecific Interstitial Pneumonia (NSIP). Southern Society of Clinical Investigation. Feb 21-3, 2008, in New Orleans, LA. (Case Report). Poster Presentation. AFMR Abstracts (Southern Region). Journal Investigative Med 2008; 56(1): 412A<sup>#213</sup>.
35. Manjunath SK, Avecillas JF, Koirala K, Yataco JC, **Freire AX**. Prevalence of Psychiatric Disorders in Patients with Obstructive Sleep Apnea who are Unable to Tolerate Nasal Continuous Positive Airway Pressure Titration. Southern Society of Clinical Investigation. Feb 21-3, 2008, in New Orleans, LA. Platform: **Oral Presentation**. AFMR Abstracts (Southern Region). Journal Investigative Med 2008; 56(1): 450A<sup>#325</sup>.
36. Murillo LC, Avecillas JF, Habib M, **Freire AX**. Effects on Health Care Utilization of Positive Airway Pressure on Veterans with Obstructive Sleep Apnea Syndrome. CHEST 2008. 74<sup>th</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 25-30, 2008, in Philadelphia, PA. Poster Presentation. Chest 2008; 134: A<sup>#7115</sup>.

2009:

37. Kadaria D, Murillo LC, Yataco JC, Avecillas JF, **Freire AX**. Sleep and Immunity: Relationship of Lymphocytes and Apnea Hypopnea Index. Southern Society of Clinical Investigation. Feb 12-4, 2009, in New Orleans, LA. Poster Presentation. AFMR Abstracts (Southern Region). Journal Investigative Med 2009; 57(1): 356 A<sup>#199</sup>.
38. Zaidi SJ, **Freire AX**. Endobronchial Extension of Aspergilloma. Southern Society of Clinical Investigation. Feb 12-4, 2009, in New Orleans, LA. Poster Presentation. AFMR Abstracts (Southern Region). Journal Investigative Med 2009; 57(1): 358 A<sup>#206</sup>.

2010:

39. Kadaria D, **Freire AX**. A case of DKA presenting with Acute Pancreatitis and Visceral Vein Thrombosis. American Thoracic Society 106<sup>th</sup> International Conference. New Orleans, LA. May 14-19, 2010. Poster Presentation. AJRCCM 2010; 181:A<sup>#6090</sup>.

2011:

40. Pant N, Kadaria D, Murillo LC, Yataco JC, Headley AS, **Freire AX**. Abdominal Pathology in Patients with Diabetic Ketoacidosis (DKA). 41<sup>st</sup> Critical Care Congress of the Society of Critical Care

Medicine (SCCM). February 4-8, 2012- Houston, TX. Poster Presentation. CCM 2011; 39(12): A<sup>#474</sup> 19s.

2012:

41. Kadaria D, Archie DS, **Freire AX**, Zaman MK. Dual time point PET/CT scan in the evaluation of intrathoracic lesions. CHEST 2012. 78<sup>th</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 20-25, 2013, in Atlanta, GA. Chest 2012; 142: A<sup>#556</sup>.
42. Romero-Legro I, **Freire AX**. Cryptogenic Organizing Pneumonia in a Patient With Hepatopulmonary Syndrome. CHEST 2012. 78<sup>th</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 20-25, 2013, in Atlanta, GA. Chest 2012; 142(4\_MeetingAbstracts): A<sup>#480</sup>. doi:10.1378/chest.1390819
43. Adams-Graves P, Muthiah MP, **Freire AX**, Kadaria D, Daniels B, Presbury G. Arterial Hypoxemia Syndrome. 49 years experience in the treatment of Sick Cell. Fla J Sick Cell Dis and Hemoglobinopathy 2012; 6(Feb):44 A<sup>#43</sup>

2013:

44. Daniels AB, **Freire AX**, Womack CR, Adams-Graves P. Bone Mineral Density Patterns in African American Men with Sick Cell Disease and Vitamin D Deficiency. Presentations: Posters at the Capital. February 13, 2013. Nashville, TN.
45. Daniels AB, **Freire AX**, Womack CR, Adams-Graves P. Bone Mineral Density Patterns in African American Men with Sick Cell Disease and Vitamin D Deficiency. Presentations: UTHSC-Department of Medicine Research in Medicine Day 2013. February 15, 2013. Memphis, TN.
46. Daniels AB, **Freire AX**, Womack CR, Adams-Graves P. Bone Mineral Density Patterns in African American Men with Sick Cell Disease and Vitamin D Deficiency. Presentations: The University of Memphis 24<sup>th</sup> Annual Graduate Student Research Forum. April 2, 2012. Memphis TN.
47. Daniels AB, **Freire AX**, Womack CR, Adams-Graves P. Bone Mineral Density Patterns in African American Men with Sick Cell Disease and Vitamin D Deficiency. Presentations: The National Conference of Undergraduate Research, University of Wisconsin. April 12, 2013. La Crosse, WI.
48. Daniels AB, **Freire AX**, Womack CR, Adams-Graves P. Bone Mineral Density Patterns in African American Men with Sick Cell Disease and Vitamin D Deficiency. Presentations: Helen Honors Symposium. Memphis TN.
49. Romero-Legro I, Yaghmour B, **Freire AX**, Murillo LC. Conservative Management of a Major Postintubation Tracheal Rupture. CHEST 2013. 79<sup>th</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 26-31, 2013, Chicago, IL. Poster Presentation. Chest 2013; 144 (4\_MeetingAbstracts): A<sup>#6</sup> doi:10.1378/chest.1705210.
50. Yaghmour B, Romero-Legro I, Bryant P, Murillo LC, **Freire AX**. A Very Rare Case of Secondary Hemophagocytic Lymphohistiocytosis in an AIDS Patient With Refractory Septic Shock and Overwhelming Disseminated Histoplasmosis. CHEST 2013. 79<sup>th</sup> annual international scientific assembly of the American College of Chest Physicians (ACCP). October 26-31, 2013, in Chicago, IL. Poster Presentation. Chest 2013; 144 (4\_MeetingAbstracts): A<sup>#287</sup> doi:10.1378/chest.1705147.

2014:

51. Yaghmour B, Romero-Legro I, Muthiah MP, **Freire AX**. Tuberculous Lymphadenitis Complicating Imatinib for Chronic Myeloid Leukemia. American Thoracic Society 110<sup>th</sup> International Conference. San Diego, CA (May 16-21, 2014) *Presentation* A53. Infectious Diseases Case Reports II. AJRCCM 2014; 189 (5s): A<sup>#1768</sup>.  
[www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1\\_MeetingAbstracts.A1768](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1_MeetingAbstracts.A1768)
52. Romero-Legro I, Yaghmour B, Murillo LC, **Freire AX**. Epinephrine Induced S-T Elevation During Bronchoscopy. American Thoracic Society 110<sup>th</sup> International Conference. San Diego, CA (May 16-21, 2014). *Presentation* C41. Case Reports In Interventional Pulmonary. AJRCCM 2014; 189 (5s): A<sup>#4444</sup>.  
[www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1\\_MeetingAbstracts.A4444](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1_MeetingAbstracts.A4444)
53. Yaghmour B, Romero-Legro I, Hayden B, Muthiah MP, **Freire AX**. Haff Disease In A 21 Year Old Female After A Cruise To The Caribbean. American Thoracic Society 110<sup>th</sup> International Conference. San Diego, CA (May 16-21, 2014) *Presentation* D106. Rare and Illustrative ICU Infections and Exposures. AJRCCM 2014; 189 (5s): A<sup>#6475</sup>.  
[www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1\\_MeetingAbstracts.A6475](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1_MeetingAbstracts.A6475)
54. Yaghmour B, Muthiah MP, Romero-Legro I, Yaghmour G, **Freire AX**. Secondary Hemophagocytic Lymphohistiocytosis and Septic Shock with Multiple System Organ Dysfunction in HIV: Sepsis in

Extreme? A Case Series from a Single Institution and Literature Review. Austin, TX. *Presentation Chest* 2014; 146 (4\_MeetingAbstracts): A<sup>#228</sup> doi:10.1378/chest.1992011.

55. Yaghmour B, Romero-Legro I, Muthiah MP, **Freire AX**. Acute Paralysis Recovered Within 24 Hours in a Young African American Man: A Case of Thyrotoxic Hypokalemic Periodic Paralysis. Austin, TX. *Chest* 2014; 146 (4\_MeetingAbstracts): A<sup>#249</sup> doi:10.1378/chest.1991988.

2015:

56. Yaghmour B, Yaghmour G, Romero-Legro I, **Freire AX**. Not Every Wheezing is An Asthma. A Low-Grade Mucoepidermoid Carcinoma of the Lung Presenting As A Refractory Asthma. American Thoracic Society 111<sup>th</sup> International Conference. Denver, CO (May 15-20, 2015) B63 Case Reports: Rare Thoracic Tumors. *AJRCCM* 2015; 191(5s): A<sup>#3608</sup>.  
[www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2015.191.1\\_MeetingAbstracts.A3608](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2015.191.1_MeetingAbstracts.A3608)
57. Castañeda JL, **Freire AX**. Massive Pleural Effusion and Concomitant Lupus Nephritis Flare: The Value of Lupus Erythematosus (LE) Cells in the Pleural Fluid. American Thoracic Society 111<sup>th</sup> International Conference. Denver, CO (May 15-20, 2015) B39 Do you want to know a Secret? Case Reports in Pleural Diseases. *AJRCCM* 2015; 191(5s): A<sup>#2949</sup>.  
[www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2015.191.1\\_MeetingAbstracts.A2949](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2015.191.1_MeetingAbstracts.A2949)
58. Antonio RL, Sultan-Ali I, **Freire AX**. Rate of Abnormal Polysomnogram after Normal Portable Monitoring Study. *Presentation AASM 29<sup>th</sup> Annual Meeting*, Seattle, WA (June 6-10, 2015) *Sleep* 2015; 38 (6): A-163 A<sup>#0455</sup>.
59. Alsharif AM, Potts M, Laws R, **Freire AX**, Sultan-Ali, I. Chart-Review vs. Clinic Visit for Initial Evaluation when Ordering Unattended Sleep Studies. *AASM 29<sup>th</sup> Annual Meeting*, Seattle, WA (June 6-10, 2015) *Sleep* 2015; 38 (6): A-173 A<sup>#0486</sup>.
60. Lennon JJ, **Freire AX**, Tashtish, N. A new Method of Measuring Sleepiness: Memphis Sleepiness Score. *AASM 29<sup>th</sup> Annual Meeting*, Seattle, WA (June 6-10, 2015) *Sleep* 2015; 38 (6): B-425 A<sup>#1198</sup>.
61. **Freire AX**, Tashtish N. Memphis Sleepiness Score: A Composite Evaluation Tool for Daytime Sleepiness Estimation. *AASM 29<sup>th</sup> Annual Meeting*, Seattle, WA (June 6-10, 2015) *Sleep* 2015; 38 (6): B-428 A<sup>#1206</sup>.

2016:

62. Raza SH, **Freire AX**, Pattanaik D, Stuart J. Conversion Rate of Tuberculosis Screening Test in Patients with Rheumatic Diseases While Receiving Anti-Tumor Necrosis Factor Alpha (anti-TNF $\alpha$ ) Agents. *ACR/ARHP Annual Meeting 2016 Nov 11-16, Washington, DC*. Poster<sup>#2598</sup>.  
<http://acrabstracts.org/abstract/conversion-rate-of-tuberculosis-screening-tests-in-patients-with-rheumatic-diseases-while-receiving-anti-tumor-necrosis-factor-alpha-anti-tnf%ce%b1-agents/>

2017:

63. Freire XA, **Freire AX**. Stanford and Visual Analog Scale Pilot Correlation with Psycho Vigilance Test and Reaction Time Response – in a Non-Sleepy Healthy Youth. Internal Medicine Research Day UTHSC Department of Medicine, Memphis, TN. February 24, 2017. Abstract<sup>#11</sup>.
64. Praneet I, **Freire AX**. Assessment of Noise Levels Between Medical Intensive Care Unit and Sleep Laboratory in the VA Hospital. Internal Medicine Research Day UTHSC Department of Medicine, Memphis, TN. February 24, 2017. Abstract<sup>#20</sup>.
65. Freire XA, **Freire AX**. Stanford and Visual Analog Scale Pilot Correlation with Psycho Vigilance Test and Reaction Time Response – in a Non-Sleepy Healthy Youth. *AASM 31<sup>th</sup> Annual Meeting*, Boston, MA (June 3-7, 2017) *Sleep* 2017; 40 (6): B-286 A<sup>#0772</sup>.
66. Elahi A, Schoumacher R, Relia S, Dayyat E, **Freire AX**. Rohhadnet Syndrome: Piecing It All Together. *AASM 31<sup>th</sup> Annual Meeting*, Boston, MA (June 3-7, 2017) *Sleep* 2017; 40 (6): B-464 A<sup>#01249</sup>.
67. Lu JI, **Freire AX**, Molnar MZ, Kalantar-Zadeh K, Kovesdy CP. Association of Chronic Insomnia with Mortality and Adverse Renal Outcomes. *ASN (Kidney Week) A#2771381 New Orleans, LA Oct 31-Nov 5, 2017*. CKD-304-PO01 Poster<sup>#FR-PO510</sup>.

2018:

68. Freire XA, **Freire AX**. Karolinska Sleepiness Scale Pilot Correlation with Psycho Vigilance Test and Driving Response Failures– in a Sleepy Healthy Youth. *AASM 32<sup>th</sup> Annual Meeting*, Baltimore, MD (June 2-6, 2017) *Sleep* 2018; 41 (6): P21-236 A<sup>#0151</sup>.
69. Salhan D, Whirley J, **Freire AX**. AASM vs. VAMC excel Sleep Diary - Sleep Onset and WASO Comparisons. *AASM 32<sup>th</sup> Annual Meeting*, Baltimore, MD (June 2-6, 2017) *Sleep* 2018; 41 (6): P05-

120 A<sup>#0353</sup>.

70. Salhan D, Relia S, Dayat E, Shoumasher R, **Freire AX**. Teenager with a Noisy Breathing a Rare Case of Catathrenia. AASM 32<sup>th</sup> Annual Meeting, Baltimore, MD (June 2-6, 2017) Sleep 2018; 41 (6): CRB-379 A<sup>#1135</sup>.
71. Schuring CA, Rustom D, Mirza Q, **Freire AX**. Overwhelming Pneumococcal Infection and HLH like Hyperferritinemic Response in a Patient with Severe Immunosuppression Secondary to HIV-1 Infection. American Thoracic Society 114<sup>th</sup> International Conference. San Diego, CA (May 18-23, 2018) C51 - Critical Care Case Reports: You Give Me Fever - Infection and Sepsis. AJRCCM 2018; 197(5s): A<sup>#9346</sup>. (Tuesday May 22, 2018)

#### **SELECTED SCIENTIFIC PRESENTATIONS (CME/Invited Lectures, since 2000):**

##### International (Outside the US):

1. "EPOC y Co-Morbilidades" (COPD Co-Morbidities) **VII Congreso Internacional de Aterosclerosis y Endotelio. SEAE** Sheraton Guayaquil, Ecuador. Agosto 4—6, 2017.
2. "Neumonía Comunitaria – Una Enfermedad Crónica?" **XX Congreso Ecuatoriano de Neumología y I Congreso Ecuatoriano de Neumología Pediátrica. SETET** Hilton Colon Guayaquil, Ecuador. Julio 7—9, 2017.
3. "Diagnóstico de Tuberculosis Latente e IGRAs" **XX Congreso Ecuatoriano de Neumología y I Congreso Ecuatoriano de Neumología Pediátrica. SETET** Hilton Colon Guayaquil, Ecuador. Julio 7—9, 2017.
4. "Efectos Cardiovasculares de OSA" **XX Congreso Ecuatoriano de Neumología y I Congreso Ecuatoriano de Neumología Pediátrica. SETET** Hilton Colon Guayaquil, Ecuador. Julio 7—9, 2017.
5. "OSA Risk and Co-Morbidities" **I OSA Symposium. Dr. Sulaiman Al Habib Medical Group.** Dubai, UAE. April 19—22, 2017.
6. "PSNG Studies from A-Z" **I OSA Symposium. Dr. Sulaiman Al Habib Medical Group.** Dubai, UAE. April 19—22, 2017.
7. "CPAP the Good, the Bad and the Ugly" **I OSA Symposium. Dr. Sulaiman Al Habib Medical Group.** Dubai, UAE. April 19—22, 2017.
8. "OSA e Hipertensión Arterial" **Congreso Internacional de Hipertensión Arterial. Consenso Latino-Americano de Monitoreo Ambulatorio y Medición Domiciliaria de Presión Arterial.** Guayaquil – Ecuador. Septiembre 9—11, 2016.
9. "Ventilación Mecánica en ARDS" **Jornada Internacional de Medicina Interna.** Hospital Luis Vernaza – Guayaquil, Ecuador. Julio 20, 2016.
10. "Neumonía Grave y Ventilación Mecánica" **Jornada Internacional de Medicina Interna.** Hospital Luis Vernaza – Guayaquil, Ecuador. Julio 20, 2016.
11. "Cardiovascular Impact of OSA" at **SDB - OSA Conference.** Holiday Inn – Aruba. March 19, 2016.
12. "Medicina (Hoy) y Hacia dónde Vamos (Futuro)" **II Jornadas Medicas Omni Hospital –** Guayaquil, Ecuador. Noviembre 26, 2015.
13. "Ventilación No-Invasiva" **II Jornadas Medicas Omni Hospital –** Guayaquil, Ecuador. Noviembre 26, 2015.
14. "Esteroides en ARDS" Simposio Ibero-Americano de Sepsis, **XI Congreso Sociedad Ecuatoriana de Cuidados Intensivos, Jornadas de Terapia Respiratoria y Curso Internacional de Enfermería.** Hotel Hilton Colon - Guayaquil, Ecuador. Octubre 27—30, 2015.
15. "Avances en Ventilación Mecánica en ARDS" Simposio Ibero-Americano de Sepsis, **XI Congreso Sociedad Ecuatoriana de Cuidados Intensivos, Jornadas de Terapia Respiratoria y Curso Internacional de Enfermería.** Hotel Hilton Colon - Guayaquil, Ecuador. Octubre 27—30, 2015.
16. "ARDS" Postgrado Cuidados Intensivos - Hospital Luis Vernaza – Guayaquil, Ecuador. Julio 21, 2015.
17. "Cor-Pulmonale" **Ecuadorian, V Congreso Internacional de Atherosclerosis & Endothelium.** Guayaquil, Ecuador. August 16—18, 2013.
18. "OSA & Cardiometabolic Diseases (Apnea del Sueño y Enfermedades Cardiometabolicas)" **V Congreso Internacional de Atherosclerosis & Endothelium. SEAE** Guayaquil, Ecuador. August 16—18, 2013.
19. "ARDS Management (Manejo Actual del SDRA Grave)" **XXXI Congreso Internacional de Medicine, Cirugía y Especialidades 2013 HLV-JBG.** Guayaquil, Ecuador Julio 15—19, 2013.

20. “Near Fatal Asthma (Asma Casi Fatal)” **XXXI Congreso Internacional de Medicine, Cirugía y Especialidades 2013 HLV-JBG**. Guayaquil, Ecuador Julio 15—19.
21. “Visiting Professorship” [Profesor Invitado Externo: Medicina del Enfermo Critico, U de Guadalajara] **Hospital Civil de Guadalajara**. Guadalajara, Jalisco – Mexico. July 25—28, 2012.
22. “COPD Guidelines, Which is best?” **XIX Congress AIACT & XVIII National Congress Pneumology**. Guayaquil, Ecuador. November 12, 2011.
23. “COPD and Cardiovascular Risk” [EPOC y Riesgo Cardiovascular] **IV Congreso de Atherosclerosis & Endothelium**. SEAE Guayaquil, Ecuador. August 13—15, 2011.
24. “OSA Prognostic & Therapeutic implications” [**Implicaciones Pronósticas y Terapéuticas del SAOS**] **Ecuadorian, IV Congreso de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 13—15, 2011.
25. “Invasive Mechanical Ventilation” [Ventilación Mecánica Invasiva] **1<sup>st</sup> Mechanical Ventilation International Symposium OMNI Hospital**. Guayaquil – Ecuador. July 27—29, 2011.
26. “NIV in COPD” [Ventilación Mecánica No-Invasiva en EPOC] **1<sup>st</sup> Mechanical Ventilation International Symposium OMNI Hospital**. Guayaquil – Ecuador. July 27—29, 2011.
27. “NIV in COPD” [Ventilación Mecánica No-Invasiva en EPOC] **XIII Congreso del Hospital Civil de Guadalajara**. Guadalajara, Jalisco – Mexico. February 24—25, 2011.
28. “Sleep Disorders, CVD, and Syndrome Z” **Ecuadorian, III Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 1—4, 2009.
29. “Pulmonary Hypertension and COPD” ” **Ecuadorian, III Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 1—4, 2009.
30. “Controversies in ICU Hyperglycemia (IIT) Control” **Ecuadorian, II Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 24—6, 2008.
31. “The Metabolic Syndrome and Sleep” **Ecuadorian, II Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 24—6, 2008.
32. “Sleep Disorders and Cardiovascular Diseases, Update 2008” **Ecuadorian, II Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 24—6, 2008.
33. “COPD Management 2008” **Sociedad Médico Quirúrgica del Guayas** Centennial Celebration (SM-QG). Hospital Luis Vernaza Auditorium. Guayaquil, Ecuador July 9, 2008.
34. “Asthma, an Update 2008” **Sociedad Médico Quirúrgica del Guayas** Centennial Celebration (SM-QG). Hospital Luis Vernaza Auditorium. Guayaquil, Ecuador July 9, 2008.
35. “Controversies in ICU Hyperglycemia (IIT) Control” Annual Meeting **Ecuadorian Society of Critical Care Medicine**. Guayaquil, Ecuador. September 12—4, 2007.
36. “Status Asthmaticus” Annual Meeting **Ecuadorian Society of Critical Care Medicine**. Guayaquil, Ecuador. September 12—4, 2007.
37. “RT Issues in ICU Management of Severe Asthma” Annual Meeting **Ecuadorian Society of Critical Care Medicine**. Guayaquil, Ecuador. September 12—4, 2007.
38. “Sleep Disorders and Congestive Heart Failure” **Ecuadorian, Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 1—4, 2007.
39. “Smoking Cessation Update” **Ecuadorian, Jornadas de Atherosclerosis & Endothelium**. Guayaquil, Ecuador. August 1—4, 2007.
40. “Severe-Community Acquired Pneumonia (CAP)” **XVII National Meeting of Pulmonary Diseases**. Quito, Ecuador. June 25—7, 2007.
41. “Mono-Dose Macrolide Antibiotics for Respiratory Infections” Guayaquil, Ecuador. June 29, 2007.
42. “New Therapeutic Modalities in Community Acquired Pneumonia (CAP) Cuenca, Ecuador. June 28, 2007.
43. “Primary Pulmonary Hypertension” **Ecuadorian, Jornadas de Atherosclerosis**. Guayaquil, Ecuador. August 2—4, 2006.
44. “Sleep Apnea and Heart Diseases” **Ecuadorian, Jornadas de Atherosclerosis**. Guayaquil, Ecuador. August 2—4, 2006.
45. “Functional Variability in Asthma” **XVI National Meeting of Pulmonary Diseases & IV Ecuadorian-Peruvian encounter de Neumología**. Guayaquil, Ecuador. May 3—5, 2006.

46. “Leukotriene Modifiers in Asthma” III Latin American **INTERASMA** Meeting, XV National Meeting of Pulmonary Diseases, & XIV Andean Region of Pulmonary Diseases. Cuenca, Ecuador. July 21, 2004.
47. “Mechanical Ventilation in COPD” Annual Meeting **Ecuadorian Society of Critical Care Medicine**. Guayaquil, Ecuador. Nov 2003.
48. “Bronchoscopy in the ICU-BAL” Annual Meeting **Ecuadorian Society of Critical Care Medicine**. Guayaquil, Ecuador. Nov 2003.
49. “Enfermedades del Sueño e Hipertensión Arterial” **Club de Hipertensos del IESS**. Guayaquil, Ecuador. November 2002.
50. “Lung Cancer Screening” **Congreso Oncológico Nacional SOLCA “Sociedad de Lucha Contra el Cáncer” Ecuador Institution’s 50<sup>th</sup> year anniversary, ION-SOLCA**. Guayaquil, Ecuador. Nov 2001.
51. “Brochoscopy for Lung Cancer” **Congreso Oncológico Nacional SOLCA “Sociedad de Lucha Contra el Cáncer” Ecuador Institution’s 50<sup>th</sup> year anniversary, ION-SOLCA**. Guayaquil, Ecuador. Noviembre 2001.
52. “Esteroides inhalados en EPOC” **ULASTER XXVIII** Congreso Panamericano de la Unión Latinoamericana de Sociedades de Tisiología y Enfermedades Respiratorias **ULASTER & IUATLD** Hilton Colón. Guayaquil, Ecuador. November 2000.
53. “Asma: Manejo Ambulatorio” **ULASTER XXVIII** Congreso Panamericano de la Unión Latinoamericana de Sociedades de Tisiología y Enfermedades Respiratorias **ULASTER & IUATLD** Hilton Colón. Guayaquil, Ecuador. November 2000.

National (& International in the US):

54. “OSA Cardiovascular Consequences” H M Goldman School of Dental Medicine - **Boston University 2018 SDB Symposium**. Boston, MA March 9—10, 2018.
55. “OSA Co-Morbidities in Perspective” **ENT Open Forum - 2017**. Hyatt Regency Sarasota, FL. March 16—18, 2017.
56. “OSA Health Consequences” H M Goldman School of Dental Medicine - **Boston University 2017 SDB Symposium**. Boston, MA March 3—4, 2017.
57. “OSA and Hypertension” H M Goldman School of Dental Medicine - **Boston University 2017 SDB Symposium**. Boston, MA March 3—4, 2017.
58. “Building Bridges between Medicine & Dentistry – Mask Troubles (case studies)” at the **American Academy Craniofacial Pain (AACCP) Mid-Winter Symposium**. Talking Stick Resort - Scottsdale, AZ January 23-5, 2014.
59. “Cardiovascular Consequences of Obstructive Sleep Apnea” **AARC 58<sup>th</sup> International Respiratory Convention (AARC)**. New Orleans, LA Nov 10-13, 2012
60. “Incorporating Scholarly Activity into Training Programs” SCCM 2010, the 39<sup>th</sup> Critical Care Congress, **Society of Critical Care Medicine (SCCM)**. Miami, FL. January 9, 2010.
61. “Glycemia Measurement in the ICU” SCCM 2008, the 37<sup>th</sup> Critical Care Congress, **Society of Critical Care Medicine (SCCM)**. Honolulu, HI. February 3, 2008.
62. “Infection Control in the ICU/CRBSI” Cook<sup>®</sup> Representatives-National Meeting. Scottsdale, AZ. Jan 25, 2008.
63. “Controversies in ICU Hyperglycemia (IIT) Control” **Grand Round** Mountainside Hospital Montclair, NJ. March 23, 2007.
64. Moderator (Original Investigation): “Critical Care Outcomes” **CHEST 2006**, the 72<sup>nd</sup> annual international scientific assembly of the **American College of Chest Physicians (ACCP)**. Salt Lake City, Utah. October 23, 2006.
65. “Prone Positioning in the Treatment of ARDS” **American Association Respiratory Care (AARC)** Annual Meeting, Hilton New Orleans Riverside. December 5, 2004.
66. “Patient Characteristics & Analgesia Ordering Behavior in Medical Intensive Care Patients and Influence in Outcome”. **American Thoracic Society (ATS)** 97<sup>th</sup> International Conference. San Francisco, CA May 2001.

Regional (MidSouth):

67. "Cardiovascular Effects of OSA" **Tennessee Sleep Society**. Auditorium - Methodist University Hospital. Memphis – TN, April 29, 2016.
68. "Pulmonary Function Test – Practical Overview" **TN Society for Respiratory Care** 2015 Annual State Convention. St Francis Hospital Auditorium. April 10, 2015.
69. "Cardiovascular Effects of OSA" **Southern Sleep Society 36<sup>th</sup> Annual Meeting**. Hilton-Memphis, TN April 4-6, 2014.
70. "Cardiovascular Effects of OSA" **Tennessee Sleep Society**. Inn at Opryland-Nashville, TN October 4, 2013.
71. "Pathophysiology of Obstructive Sleep Apnea" **Meeting of the Minds UTHSC School of Dentistry**. Memphis June 7-8, 2013.
72. "Building Bridges between Medicine & Dentistry" **Meeting of the Minds UTHSC School of Dentistry**. Memphis June 7-8, 2013.
73. "Cardiovascular Effects of OSA" **West TN Chapter Society Respiratory Therapy**. Concorde CC at Memphis, TN Methodist University Hospital Auditorium December 2, 2011.
74. "Introduction to Sleep Medicine" **West TN Chapter Society Respiratory Therapy**. Concorde CC at Memphis, TN Le Bonheur Auditorium June 10, 2011.
75. "COPD Outpatient Management" **West TN Chapter Society Respiratory Therapy**. Concorde CC at Memphis, TN March 26, 2010.
76. "Controversies in ICU Hyperglycemia" at the **24<sup>th</sup> Annual Symposium on Critical Care and Emergency Medicine**. Hot Springs, AK. March 28, 2009.
77. "Controversies in ICU Hyperglycemia Management" at the Lung Club—**Southern Society of Clinical Investigation (SSCI) Annual Meeting**. New Orleans, LA. February 21, 2008.
78. "Sleep Apnea and Heart Diseases" **3<sup>rd</sup> Annual Midsouth PCCM Junior Fellows Conference**. Doubletree Hotel at Memphis, TN. October 7, 2006.
79. "COPD Update" **Tennessee Osteopathic Medical Association** 107<sup>th</sup> (TOMA) Annual Conference & Scientific Seminar Chattanooga Hotel in Chattanooga, TN. June 26, 2005.
80. "Pulmonary Manifestations of Bioterrorism" **UTHSC TELEMEDICINE**. Memphis, TN. June 10, 2005.
81. "Asthma Case Studies" **TennCare COE TLC Peabody Hotel at Memphis**, TN. December 8, 2003
82. "Current Therapy in Asthma" **34<sup>th</sup> Annual Review Course for the Family Physician**. Opening Conference GEB UTHSC Family Physicians. Memphis, TN. August 2000.

Local (Memphis):

83. "Pulmonary Fibrosis" **Community Outreach - Memphis Botanical Garden**. Memphis, TN April 17, 2015.
84. "Pulmonary Function Test" **Grand Round** for RT, St. Francis Hospital (Park Av.) Memphis, TN. April 10, 2015.
85. "Introduction to Sleep Medicine" **Grand Round** for RT, St. Francis Hospital (Park Av.) Memphis, TN. Dec 14, 2007.
86. "Introduction to Sleep Medicine for the RT" Concorde Career College RT **Grand Round**, Memphis, TN. June 19, 2007.
87. "CXR for the RT" Concorde Career College RT **Grand Round**, Memphis, TN. September 11, 2006.
88. "COPD Management Update" Society of Latin American Physicians (SLAP) Fall Meeting, Memphis, TN. November 17, 2005.
89. "COPD Overview" Concorde Career College RT **Grand Round**, Memphis, TN. October 24, 2005.
90. "Asthma in Shelby County" **TLC-MMCC**. Crescent Club, Memphis, TN. August 20, 2005.
91. "PFT in Asthma" **TLC-MMCC**. Crescent Club, Memphis, TN. August 20, 2005.
92. "Community Acquired Pneumonia" **TLC-MMCC**. TennCare. Memphis, TN August 24, 2004.
93. "Community Acquired Pneumonia" **Society of Latin American Physicians (SLAP)** Winter Meeting, Memphis, TN. December 12, 2003.
94. "VAP Prevention" **Respiratory Care Perspective** (Course Director) St Jude's Research Hospital, Memphis –Auditorium. July 2003.



95. “Acute Respiratory Failure in COPD” **Evidence-Based Practices in RC** (Course Director) **Respiratory Care the Regional Medical Center**, Memphis Holliday Inn Select (Airport)—Auditorium July 16, 2002.
96. “Community Acquired Pneumonia” **Evidence-Based Practices in RC** (Course Director) **Respiratory Care the Regional Medical Center**, Memphis Holliday Inn Select (Airport)—Auditorium July 16, 2002.
97. “History of Medicine, a look to the Future” **Alpha Epsilon Delta - Premedical Honor Society, University of Memphis-TN Delta Chapter Feature Lecture**, Spring Initiation Ceremony. April 2002.
98. “We have a great future” **Concorde Career College Feature Lecture: Convocation Ceremony-Fall** (*First Campus Speech after the 9-11 events*). October 2001.
99. “Hospital Fungal Infections” **Society of Latin American Physicians (SLAP) Summer Meeting**, Memphis, TN. July 28, 2001.
100. “ARDS & Sepsis” **Respiratory Care Perspective** (Course Director) **Respiratory Care the Regional Medical Center**, Memphis –Auditorium. July 2001.
101. “COPD Management” **Grand Round: Concorde Respiratory Therapy School**. Aug 2000.
102. “What’s Hot & What’s Not in Respiratory Care” (Course Director) **Shelby County RT Meeting** Radisson Hotel, Memphis, TN. July 2000.

Campus (UTHSC-COM at Memphis):

103. “Introduction to Sleep Medicine” 2018 **UTHSC Dental Sleep Medicine**. January 12, 2018.
104. “CPAP vs Cardiovascular Disease Risk in Perspective” **Internal Medicine Grand Rounds - Lecture Series**. UTHSC COM at Memphis - Coleman Building South Auditorium, September 20, 2017. (Last viewed 04/2018)  
<http://mediaserver.uthsc.edu/uthscms/Play/5fa3cf0d2ad94a399bfdef5c3e2434821d>
105. “ARDS 50 year Anniversary” **Internal Medicine Grand Rounds - Lecture Series**. UTHSC COM at Memphis - Coleman Building South Auditorium, September 28, 2016. (Last viewed 04/2018)  
<http://mediaserver.uthsc.edu/uthscms/Play/5afed32599a3406c87e27e58864000491d>
106. “Sleep & Sleep Disorders” The Dental-Medical Connection: Oral Appliances and Sleep Medicine. **UTHSC COD GEB Bldg**. Memphis Oct 17, 2014.
107. “Adult Disorders in Sleep Medicine ICSD-2” **Sleep Medicine Grand Rounds – Lecture Series**. UTHSC & VAMC. Internal Medicine Auditorium, August 7, 2013.
108. “Cardiovascular Consequences of Obstructive Sleep Apnea” **Internal Medicine Grand Rounds - Lecture Series**. UTHSC COM at Memphis - Coleman Building South Auditorium, June 27, 2013.
109. “ICU Hyperglycemia: A Decade of Trials and Observations” **Internal Medicine Grand Rounds - Lecture Series**. UTHSC COM at Memphis February 2, 2010.
110. “ICU Hyperglycemia, How Important is it and should we treat it?” **Internal Medicine Grand Rounds - Lecture Series**. UTHSC February 2, 2005.
111. “Asthma in TN” **Internal Medicine Grand Rounds - Lecture Series**. University of Tennessee Health Science Center. October 2000.

UTHSC COM Memphis: Master Clinician — M3 Internal Medicine Core  
Recurrent Basis:

112. “COPD Outpatient Management” 2009 (3), 2010—2016 (6 per year).  
“Asthma Outpatient Management” 2009 (3), 2010—2016 (6 per year).
113. “Journal Club and RCT” 2015—2017 (6 per year).

UTHSC COM Memphis: M2 Foundations in Pulmonary Medicine (Pathophysiology lecture series)  
Recurrent Basis:

114. Pulmonary Function Test, Pulmonary Mechanics, Pneumonia, O<sub>2</sub> Transport, Pleural Effusion, Introduction to Sleep Medicine & Pulmonary pathophysiology laboratory  
1999, 2000 — 2017.

UTHSC COM Memphis: M2 Pathophysiology (Neurology) lecture series  
Recurrent Basis:

115. “Anatomy & Pathophysiology of Sleep”

9/22/2005, 9/26/2006, 9/25/2007, 9/23/2008.

**UTHSC COM Memphis: Internal Medicine Residency Program.** Coleman North Auditorium.

Recurrent Basis:

116. "COPD Management" 09/15/2000, 05/01/2008, 12/03/2009, 2011—2013.
117. "Introduction to Sleep Medicine" 02/30/2012.
118. "Sleep Medicine" Readiness for the ABIM 2014 & 2015.
119. "Status Asthmaticus" MUH June 28, 2005.
120. "Asthma Management" August 5, 2004.
121. "Acute Asthma" MUH June 25, 2004.
122. "Catheter Related Infections" August 25, 2003.
123. "Anemia in the ICU" Sept 3, 2002
124. "Community Acquired Pneumonia" July 25, 2002, July 31, 2003, August 7, 2004.

**UTHSC COM Memphis: Neurophysiology Fellowship Program,** MUH Tower 12.

Recurrent Basis:

125. "Presentations Tips" 12/06/2011, 09/01/2013, 2014—2017.
126. "Introduction to Sleep Medicine" 11/6/2009, 12/2010, 09/2012, 2013 — 2017.
127. "OSA Treatment" 05/05/2014, 2015—2017.
128. "Sleep Deprivation & Fatigue: Recognition, Prevention, and Management" 2016—2017.

**UTHSC COM Memphis: Cardiology Fellowship,** Memphis TN.

Recurrent Basis:

129. "Glycemic Control in the ICU, Controversies" Grand Round Nov 4, 2008.
130. "OSA and the Heart" Grand Round May 15, 2007.

**UTHSC COM Memphis: Endocrinology Fellowship,** Memphis TN.

Recurrent Basis:

131. "Glycemic Measurement in the ICU, Controversies" Grand Round Sept 11, 2008.

**UTHSC COM Memphis: Family Medicine Residency Prgrm,** St. Francis Hosp (Park Av.) Memphis, TN.

Recurrent Basis:

132. "Asthma Outpatient Management" April 28, 2010.
133. "COPD Outpatient Management" Jan 27, 2010.
134. "Acute Respiratory Failure" May 27, 2009
135. "Sleep Deprivation & Fatigue: Recognition, Prevention, and Management" 2016—2017.

**UTHSC COM Memphis: Pulmonary CCM Fellowship** Grand Rounds &/or Professor Lectures

Recurrent Basis (Fellows School):

136. "Sleep Deprivation & Fatigue: Recognition, Prevention, and Management" Fellows School: UTHSC Memphis PCCM.  
08/23/2006, 08/22/2007, 09/21/2009, 2010, 08/31/2011.
137. "ICU General Care" Part A Fellows School: UTHSC Memphis PCCM.  
08/04/2003, 07/08/2004, 07/08/2005, 07/26/2006, 07/12/2007, 2008—2013.
138. "ICU General Care/Part B" Fellows School: UTHSC PCC&SM September 23, 2008.
139. "COPD Overview" Fellows School: UTHSC PCCM Memphis. August 1, 2000.

Recurrent Basis Teaching Modules

(Airways, Neuro Critical Care, Sleep Medicine, Research & Mentorship Modules):

140. "COPD Outpatient Management" UTHSC Memphis PCCM 01/2012, 10/2013, 2014., 2018
141. "Asthma Outpatient Management" UTHSC Memphis PCCM 01/2012, 10/2013, 2014.
142. "Presentations Tips" UTHSC Memphis PCCM 01/10/2012, 10/2013, 2014.
143. "Research Pitfalls" UTHSC Memphis PCCM 10/2013, 2014.
144. "Epidemiology for Clinicians Random Thoughts" UTHSC PCC&SM Jan 2, 2009.
145. "Normal Bronchoscopic Anatomy" UTHSC PCC&SM July 2, 2008.

146. “Glucose Measurement in the ICU” UTHSC PCC&SM June 11, 2008.
147. “Tobacco Epidemic” Airways Module - UTHSC PCC&SM September 5, 2007.
148. “Administration of a Modern ICU” UTHSC PCC&SM **Grand Round** June 19, 2007.
149. “Sleep Medicine Pearls” UTHSC PCC&SM June 13, 2007.
150. “Controversies in ICU Hyperglycemia control” UTHSC PCC&SM **Grand Round** January 23, 2007.
151. “Sleep PSNG” **eight—1h lecture series**—of PSNG cases, examples, and basic sleep medicine laboratory techniques presented q18mths. UTHSC PCC&SM Jan-Feb, 2007.
152. “Introduction to Sleep Medicine” VAMC UTHSC PCC&SM Memphis, TN. January 18, 2006.
153. “Asthma in Shelby County” UTHSC PCC&SM Memphis, TN. September 8, 2005.
154. “Community Acquired Pneumonia” UTHSC PCCM Memphis, TN. December 9, 2003.
155. “Chronic Asthma Management” UTHSC PCCM Memphis. November 2002.
156. “COPD Overview” UTHSC PCCM Memphis, TN. September 22, 2002.
157. “Cardio Pulmonary Exercise Testing” UTHSC PCCM Memphis September 1, 2001.
158. “Current Asthma Therapy” Airways Diseases Module UTHSC PCCM Memphis. March 2001.
159. “COPD GOLD” Airways Diseases Module UTHSC PCCM Memphis. February 26, 2001.

UTHSC COM Memphis: Sleep Medicine Fellowship Grand Rounds &/or Professor Lectures

Recurrent Basis:

160. UTHSC Sleep Medicine & Fellowship Grand Rounds Lecture Series (Organizer)
161. UTHSC Memphis Sleep Medicine Fellowship Weekly Professor Rounds & Journal Club 2013—2017.

UTHSC COM Memphis: Other Schools & Affiliated Institutions Grand Rounds &/or Professor Lectures

Recurrent Basis:

162. “The MED RRT, QaQi, & Infection Control Program” UTHSC PCC&SM August 6, 2008.
163. “The Sub-specialty of Pulmonary, Critical Care, and Sleep Medicine” Internal Medicine Interest Group. January 30, 2007.
164. “Basic Mechanical Ventilation” CCRN Review The MED G-ICU. Memphis, TN. June 30, 2004.
165. “Anticholinergics in COPD” The MED Pharmacy Department. Memphis, TN. May 20, 2004.
166. “Maximal Voluntary Ventilation” The MED RT-PFT QA/QI. Memphis, TN. March 24, 2004.
167. “ICU General Care” CCRN Review The MED G-ICU. Memphis, TN. February 19, 2004.
168. “Diagnostic Testing: Sensitivity & Specificity” LCP Program UTHSC at Memphis, TN. May 13, 2002.
169. “COPD & Pulmonary Rehabilitation” Occupational Therapy Conference: UTHSC. March 2000.

Community:

170. “Primary Prevention” American Heart Association, 3<sup>rd</sup> Annual Heart Conference, Memphis, TN. October 2003.
171. “Smoking and Health” American Heart Association, 2<sup>nd</sup> Annual Heart Conference, Memphis, TN. October 2002.

Blogger & Media (Radio):

172. “Sleep Disorders in the Elderly” Memphis Medical News. Memphis – TN. March 07, 2016.
173. Sleep Problems & Solutions. *The Commercial Appeal* (March 26—30, 2007)
174. “Salud y Medio Ambiente” a weekly health education radio show in Spanish WGSF 1030 AM Radio Ambiente. <http://memphis.bizjournals.com/memphis/stories/2001/12/24/focus2.html> (Last viewed 04/2018)

Industry Speaker Bureau: (none)

**UTHSC eCOURSES — MENTEES & TRAINEES**

e-Training Blackboard (& under construction/expected dates):

- Sleep Medicine Rotation 2007 — Active [1 Hr /wk e-classroom /Thursdays available Sept-May]
- Pulmonary Rotation 2010 — Active [1 Hr /wk e-classroom /Thursdays available Sept-May]
- ICU Rotation 2011 — Active [1 Hr /wk e-classroom /Thursdays available Sept-May]

Clinical Epidemiology for the Academic Physician (2018-expected)  
Clinical Epidemiology for the Intensivist – Pulmonologist – Sleep Medicine Specialist (2018-exp)

**UTHSC JUNIOR FACULTY RESEARCH ADVISOR/MENTOR:**

2017 Khawaja Muhammad Muddassir, MBBS. Assistant Professor Medicine UTHSC COM at Memphis.  
2014 Julio Lanfranco, MD. Assistant Professor Medicine UTHSC COM at Memphis.  
2014 Ivan Romero-Legro, MD. Assistant Professor Medicine UTHSC COM at Memphis.  
2013 Dipen Kadaria, MD. Assistant Professor Medicine UTHSC COM at Memphis.  
2012 Amik Sodhi, MD. Associate Professor Medicine UTHSC COM at Memphis.  
2009 – 2018 Luis C. Murillo, MD., D-ABSM, D-NCC. Pensacola, FL.  
2006 – 2010 Jose C. Yataco, MD, D-ABSM. Mayo Clinic. Jacksonville, FL.  
2005 – 2007 Jaime F. Avecillas, MD, D-ABSM. University of Miami, FL.

**FELLOWS AND GRADUATE STUDENTS:**

Pulmonary Critical Care — Critical Care & Sleep Medicine Fellows Trained (UTHSC):

2022 /PCCM (Match – Pending)

**IN-COMING CLASS**

2021 Jonathan Davis, MD. / Baystate Medical Center, MA. (In-coming class)  
Patrick Higgins, MD. / UTHSC COM IMRP at Memphis, TN.  
Andrew Holt, MD. / UTHSC COM IMRP at Memphis, TN.  
Timothy Spooner, MD. / Carillion Clinic VTC School of Medicine, VA.  
Crystal Stanton, MD. / UTHSC COM IMRP at Memphis, TN.  
Mohammad Elballat, MD. / U of Miami-JFK Medical Center, FL

CCM / (Match – Pending)

SLEEP / (Match – Pending)

**CURRENT FELLOWS:**

2020 Pralhad Sharma, MD. / UTHSC Chattanooga, TN.  
Anthony Mattox, MD. / UTHSC COM IMRP at Memphis, TN.  
S. Alex Woods, MD. / UTHSC COM IMRP at Memphis, TN.  
Awais Yaved, MD. / Meharry COM, Nashville, TN.

CCM / (Match – Pending)

SLEEP / (Match – Pending)

2019 Andrei Yancovich, MD. / Capital Health Regional Medical Center, Trenton, NJ.  
Marvan Odeesh, MD. / Rosalind Franklin, IL.  
Kimberly Marsh, MD. / UTHSC, Memphis, TN.  
Craig Schuring, MD. / University of Iowa, Des Moines, Iowa  
Praneet Iyer, MD. / St. Francis Med Ctr.-Aff. Seton Hall University, South Orange, NJ.

CCM Nathalie Foray, MD. / Pulm-Southern Illinois University, IL. (In-coming class)

CCM Alejandro Restrepo, MD. / ID-U Arkansas, Little Rock, AK. (In-coming class)

CCM Gustavo Viteri, MD. / Pulm-Southern Illinois University, IL. (In-coming class)

SLEEP Rabin Shrestha, MD. / UTHSC COM at Memphis, TN. (In-coming class)

SLEEP David Williams, MD. / UTHSC COM at Memphis, TN. (In-coming class)

2018 Malik - Adnan Khan, MD. / Michigan State University, MI.  
April Patrice McDonald, MD. / UTHSC COM IMRP at Memphis, TN.  
Rabin Shrestha, MD. / Guthrie - Robert Packer Hospital, Sayre, PA.  
David Williams, MD. / UTHSC COM at Memphis, TN.

CCM Prabhat Adhikari, MD / ID UCLA, Los Angeles, CA

CCM Faisal Arif, MD. / Nephrology UTHSC COM at Memphis, TN.

CCM Rajesh Mourya, MD. / ID U Kentucky, Lexington, KY.

CCM Tarek Saleh, MD. / Nephrology UTHSC COM at Memphis, TN.

SLEEP Anurag Mehrotra, MD. / Pulmonologist CCM & Sleep, Memphis, TN.  
SLEEP Divya Salhan, MD. / Pulmonologist – Interfaith Medical Center, Brooklyn NYC, NY.

GRADUATED:

2017 Anirudh Aron, MBBS. / PCCM, Norfolk, VA.  
Anurag Mehrotra, MD. / UTHSC Sleep Medicine Fellowship at Memphis TN.  
Oluwaseyi (David) Adejorin, MD. / Baylor College of Medicine-Sleep, Houston, TX.  
Rodjawan Supakol, MD. / Pulmonologist CCM, Iowa  
CCM Nitesh Upadhyay, MD. / ID-CCM, Charlotte, NC.  
CCM Christopher Petry, MD. / ID-CCM, Kentucky  
SLEEP Azeem Elahi, MD. / PCC & Sleep Medicine, Greenville, NC.  
SLEEP Rafael Sepulveda, MD. / Sleep Medicine, San Francisco, CA.

2016 Domingo Franco-Palacios, MD. Assistant Professor Medicine, Carillion Clinic, VA.  
Azeem Elahi, MD. / UTHSC Sleep Medicine Fellowship at Memphis TN.  
Khawaja Muhammad Muddassir, MD. / Assistant Professor Medicine UTHSC COM at Memphis.  
Nathan Wilds, MD. Pulmonologist CCM, Midsouth Pulmonary Specialists, Memphis, TN.  
SLEEP Abdelhamib Alshariff, MD. / Pulmonologist CCM & Sleep, E Tennessee, TN.  
SLEEP Jaspal Singh Hothi, MD. / Assistant Professor of Pediatrics-Sleep, Michigan State U, MI.

2015 Abdelhamib Alshariff, MD. Sleep Medicine Fellow UTHSC Memphis, TN.  
Bassam Yaghmour, MD. Assistant Professor of Medicine, USC Keck SOM-LA, CA.  
Cecilia Yshii-Tamashiro, MD. Pulmonologist CCM, Phelps Co Regional Med Center, Rolla MO.  
CCM Jorge Castañeda-Lenny, MD. (Nephrology-CCM). Assistant Professor, MS State U Jackson, MS.  
SLEEP John Joshua Lennon, MD. / Sleep Medicine, Neurology Clinic. Memphis, TN.  
SLEEP Richard L. Antonio, MD. / Sleep, & Extensivist- Emory U, Atlanta, GA.

2014 Obaid Awan, MD. Pulmonologist CCM, The Jackson Clinic at Jackson, TN.  
Kamel Madaraty, MD. Pulmonologist CCM. St Francis Hospital, Memphis, TN.  
Ivan Romero-Legro, MD. Assistant Professor of Medicine, UTHSC UTROH at Memphis, TN.  
Siva Sarva, MD, PhD. Assistant Professor of Medicine, U of Missouri, Columbia, MO.  
CCM Baroon Rai, MD. Nephrology-CCM. San Diego, CA.  
SLEEP Brent Haberman, MD. / Sleep, Assistant Professor of Pediatrics, SLU St Louis, MO.  
Kanistha Verma, MD. / Sleep, Sleep Medicine, University of Oklahoma. Tulsa, OK.

2013 Dipen Kadaria, MD. Assistant Professor of Medicine, UTHSC MUH at Memphis, TN.  
Peter Law, MD. Pulmonologist CCM, Midsouth Pulmonary Specialists, Memphis, TN.  
Mirko Villanueva, MD, D-ABSM. Pulmonologist CCM, Torrance-Los Angeles, CA.  
Eric T. Yim, MD. Pulmonologist CCM, TN Comprehensive Lung-Sleep Ctr. Hendersonville, TN.  
CCM Marjorie Tevlin, MD, N-CC. St. Vincent Healthcare – Billings Clinic, Billings, MT.

2012 Avinesh Bhar, MD, D-ABSM. Assistant Professor of Medicine, Mercer Medicine. Macon, GA.  
Muhammad Habib, MD. Pulmonologist CCM, Deaconess CCM Group. Evansville, IN.  
Skantha Manjunath, MD. Pulmonologist CCM, VA Eastern KS-Leavenworth, KS.  
John W. Thompson, MD. Pulmonologist CCM, Midsouth Pulmonary Specialists, Memphis, TN.

2011 Michael David Munday, DO. Pulmonologist CCM, Midsouth Pulmonary, Memphis, TN.  
Wael Nasser, MD. Assistant Professor PCCM, U Florida. Gainesville, FL.  
Mohamed Abou-Rayan, MD. Pulmonologist CCM, Munster, Indiana. IN.

2010 Waqas Ahmed Chisthi, MD. Pulmonologist CCM, Joplin, MO.  
Olefunsho (Funsho) Bankole, MD. Pulmonologist CCM, Atlanta, GA..

2009 Amr El-Gamal, MD. Pulmonologist CCM, VA Martinsburg, WV.  
Luis Murillo, MD, D-ABSM. Assistant Professor of Medicine, UTHSC MUH at Memphis, TN.  
Dafar Samara, MD. Pulmonologist CCM, Waterloo, IA.  
Syed Junaid Ahmed Zaidi, MD, D-ABSM. Pulmonologist CCM, Midsouth Pulm, Memphis, TN.

2008 Mehrdad Ghaffari, MD, D-ABSM. Pulmonologist CCM, Altoona, PA.

- Kanchan Koirala, MD, D-ABSM. Pulmonologist CCM, Murray, KY.
- Qurrat-ul-Ain (Annie) Nawab, MD, D-ABSM. Pulmonologist CCM, Joplin, MO.
- 2007 Nizar Chafic Issa, MD, D-ABSM. Pulmonologist CCM, West Memphis, AK.
- Yasser Moussa-Aleech, MD, D-ABSM. Pulmonologist CCM, Jackson, MI.
- 2006 Ibrahim Sultan-Ali, MD, D-ABSM. Assistant Professor of Medicine, UTHSC VAMC at Memphis
- Chitra Lal, MD, D-ABSM. PCCM, Assistant Professor of Medicine U So Carolina, SC.
- Amr Al-Bacil, MD, D-ABSM. Pulmonologist CCM, Guthrie - Hospital, Sayre, PA.
- 2005 Sachin Yende, MD, MS. PCCM Professor of Medicine, University of Pittsburg, PA.
- Dima Adl, MD. Assistant Professor of Medicine, U Iowa aff programs, IW.
- Farrah Cheema, MD. Pulmonologist CCM, Washington – DC.
- 2004 Mathew Mabie, MD. Pulmonologist CCM, Midsouth Pulmonary Specialists, Memphis, TN.
- Nour Karzoun, MD, D-ABSM. Pulmonologist CCM, Kaiser Permanente, CA.
- Sanjay Ratnakant, MD, D-ABSM. Pulmonologist CCM, Denver, CO.
- 2003 Kenneth Okpor, MD. Pulmonologist CCM, Memphis, TN.
- Melinda Thompson, MD., JD. Pulmonologist, Huntsville, AL.
- Dean Watzman, MD. Assistant Professor PCCM, U Pittsburgh, PA/Shadyside Hospital.
- 2002 Marc E. Hofmann, MD, D-ABSM. / Sleep Medicine, Wesley Neurology Memphis, TN.
- Helen R. Kirk, MD. Pulmonologist CCM, West Virginia
- 2001 Scott Spencer, MD, D-ABSM. Pulmonologist CCM, Bryan, TX 77802
- Bijoy E. John, MD, D-ABSM. Pulmon-CCM, Mid State Pulm Associates Nashville, TN 37203
- Ahmed Munir, MD. Intensivist/Cardio, Assistant Professor of Medicine, UTHSC COM-Memphis
- CCM Paolo Campos, MD. Intensivist/Cardio, Sao Paulo – Brazil
- 2000 Muthiah P. Muthiah, MD, D-ABSM. Associate Professor of Med. UTHSC COM - Memphis, TN.

Pulmonary Critical Care Fellows Trained (U de Guayaquil, Ecuador):

- 1999 Killen Briones, MD. Military Hospital II, Guayaquil, Ecuador
- Capt. Sara Benitez, MD. Naval Hospital, Guayaquil, Ecuador
- 1998 Fernando Salazar, MD. ION-SOLCA, Guayaquil, Ecuador

Doctoral Thesis Committee (UTHSC):

- 2002 Costellia Talley, MSN. PhD. UT School of Nursing Chair: Mona N. Wicks, PhD.
- 2002 Manish Gupta, PhD. UTHSC Pharmaceutical Sciences Chair: Bernd Meibohm, Pharm/PhD.

Post-Doctoral Research Fellows:

- 2006 Shehab Faryd Mohamed, MD. (Outcome Research) London, UK.

Mentorship Medical Students:

- 2014 Alden Blake Daniels (UT-M1) //UTHSC IMRP
- 2007 Raphael Silver, Robert Craven (UT-M4)
- 2007 Juan Carlos Portugal (U Cayetano Heredia. Lima, Peru) //Canarias, Spain.
- 2006 Nick Buss, James Godin, Neil Jain (UT-M4)
- 2005 Alfonso Tafur-Chang, MD. Assistant Professor Medicine (Vascular). U Oklahoma, OK.
- 1999 Carlos Ramirez, MD. IM-Rheumatology. Houston, TX.
- 1998 Katia Naranjo-Brown, MD. Assistant Professor Medicine (Infectious Diseases). Baylor, TX.
- 1997 Israel J. Alvarado, MD. IM-Medical Genetics. Las Vegas, NV.
- 1996 Pablo Castillo, MD. Assistant Professor (Neurology & Sleep). Mayo Clinic, Jacksonville, FL.
- 1995 Marco Bustamante, MD. New York, NY. Internal Medicine. New York, NY.
- 1994 Manuel Bustamante, MD. IM-Gastroenterology. Miami, FL.
- 1994 Cynthia Cely-Gonzalez, MD. Assistant Professor Medicine (Nephrology). U of Miami, FL.
- 1994 Jaime Merchan, MD, MMSc. Assistant Professor Medicine (Oncology). University of Miami, FL.
- Martha Sola-Visner, MD. Assistant Professor Pediatrics. Harvard U, Boston, MA.
- 1993 Tamara Hinojosa-Davis, MD. Pediatric Psychiatry. Providence, Rhode Island.
- 1992 Jaime F. Avecillas, MD. Assistant Professor Medicine (PCCSM). University of Miami, FL.

**RESEARCH INTEREST:**UTHSC Principal Investigator & Co-Investigator (Grants & IRB Status):

## Active:

1. “The Madison” an Oral Appliance for OSA. Role: Co-Investigator [Maddie Singer, DFA, BA. Principal Investigator] Funding Source: UT Foundation. UT-IRB # 16-04911-FB (Rev 12/07/2017) Recruiting — Current.
2. Urine Carbon Dioxide as a Prognostic Indicator in Septic Shock. LC Murillo [Principal Investigator] Role: Co-Investigator. Funding Source: U Memphis. UT-IRB # 14-03355-XP UM — Current.

Submitted (or Funding pending): None.

## In Preparation:

3. “ILD BAL & Serum Bank” **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # pending.
4. “Acute Illness Serum Bank” **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # pending.

## Completed:

5. Intensive Care Unit Outcome Evaluation and Monitoring Database. **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # 7291-XP. 01/12/2001 — 2016. (Rev 09/27/2014). Completed & Published.
6. MEMPHIS Score: Means of Evaluating & Monitoring Pain in a Hospital ICU Setting. A Tool to Quantify “Background Pain Load” in Non-Communicative Intensive Care Unit Patients. **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # 3292. Exempt. 01/17/2003 — 2016.
7. Retrospective Study of Prone Position Ventilation in Patients with ARDS. **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # 11-01228-XM. Exempt 03/25/2011 — 2016.

VA-Investigator (Grants & IRB Status):

## Active:

8. Impact of Continuous Positive Airway Pressure (CPAP) use on Rhinitis Symptoms among Veterans with Obstructive Sleep Apnea Syndrome. Role: Co-Investigator [Debendra Pattanaik, MD. Principal Investigator] Funding Source: None. VA-IRB # 632398-7. Role: Exempt 01/18/2018 — Current.

Submitted (or Funding pending): None.

9. Outcome evaluation of sleep medicine services at the VAMC at Memphis: A retrospective analysis. **AX Freire** [Principal Investigator] Funding Source: None. VA-IRB # 00623. 10/01/2006 → 12/06/2008 — Pending revisions

## In Preparation:

10. Sleep Medicine Evaluation and Outcome Monitoring Database. **AX Freire** [Principal Investigator] Funding Source: None. VA-IRB # Pending

## Completed:

11. Prevalence of metabolic syndrome in patients with OSA. **AX Freire** [Principal Investigator] Funding Source: None. VA-IRB # 00476. 08/23/2006 10/23/2007 → 12/10/2008 — 2014. (Rev 07/22/2012) Completed & Published.
12. Prevalence of PTSD, Depression, and Anxiety Disorder in Veterans Unable to tolerate Nasal CPAP while undergoing CPAP titration. **AX Freire** [Principal Investigator] Funding Source: None. VA-IRB # 00487. 08/23/2006 12/12/2007 → 10/08/2008 — Closed. (Rev 07/24/2010). Completed & Published.
13. Impact of CPAP on healthcare utilization in patients with OSA. **AX Freire** [Principal Investigator] Funding Source: None. VA-IRB # 00480. Closed 09/04/2008.

Investigator Initiated & Extramural Research (Completed, Concluded or Closed):

14. Prevalence of Metabolic Bone Disease in SS Disease. Patricia Adams-Graves [Principal Investigator], **AX Freire** [Co-Investigator] Funding Source: None. UT-IRB # 374318. 03/24/2012 — 2013. Expire 02/23/2013. Completed & Published.
15. Case series of Secondary Hemophagocytic Lymphohistiocytosis in HIV, critically ill patients presenting to medical ICU with septic shock and multisystem organ dysfunction. **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # 494937. 10/09/2013 — 2015.
16. “Medplex” Outpatient Pulmonary Clinic Evaluation, Monitoring, & Outcomes Database. **AX Freire**

- [Principal Investigator] Funding Source: None. UT-IRB # 4753. Exempt. 11/22/2006 — 2015. Completed & Published.
17. Family Satisfaction Survey in the M-ICU. **AX Freire** [Principal Investigator] Funding Source: None. UT-IRB # 4971. Exempt 07/16/2007 — 2015.
  18. Retrospective Study of Abdominal Pathology in Patients Presenting with DKA & Abdominal Pain. **AX Freire** [Principal Investigator] Completed & Published. Funding Source: None. UT-IRB #10-0763-XM. Exempt 03/09/2010 — 2015. Completed & Published.
  19. Mechanisms of Epithelial-Fibroblast Transdifferentiation and its role in the Genesis of IPF. Siva Kanagant, PhD [Principal Investigator] **AX Freire** Co-Investigator. Funding Source: None. UT-IRB # 3742 Exempt. 05/13/2004 — Lack of funding.
  20. The Extended Study on Prevalence of infection in Intensive Care (EPIC II-2007). Study PI: Drs. A Esteban (Spa) & A Anzueto (USA) **AX Freire** [site-Principal Investigator] Funding Source: None. UT-IRB # 8675. Expedited. 04/23/2007 — Completed April 24, 2008 & Published.
  21. Second International Study of Mechanical Ventilation (2004). Study PI: Drs. A Esteban (Spa) & A Anzueto (USA) **AX Freire** [site-Principal Investigator] Funding Source: None. UT-IRB # 8039. 03/05/2004 — Completed May 31, 2004 & Published.
  22. Gene Expression of Molecular Mediators of Inflammation in COPD. Bernd Meibohm, PhD [Principal Investigator] **AX Freire** Co-Investigator. Funding Source: American Lung Association ALA (Budget: \$70,000.00). UT-IRB # 7581. 04/2000 — Completed 12/31/2004 & Published.
  23. Predictors of Quality of Life in COPD. M Wicks, PhD [Principal Investigator] **AX Freire** Co-Investigator. Funding Source: None. UT-IRB # 7312. 03/2001 — Completed March 2, 2005
  24. Immune Mediator Expression in Inflammatory Pulmonary Disease. Bernd Meibohm, PhD [Principal Investigator] **AX Freire** Co-Investigator. Funding Source: UT COE on Genomics and Bioinformatics. (Budget: \$10,000.00). UT-IRB # 7288. 12/2000 — Completed February 6, 2002.

Industry Research (Concluded):

25. Randomized, placebo-controlled, double-blind, multicenter, parallel group study to assess the efficacy, safety and tolerability of bosentan in patients with symptomatic pulmonary hypertension associated with sickle cell disease. Pat Adams-Graves, Muthiah P. Muthiah, MD [site-Principal Investigator] **AX Freire** Co-Investigator. Funding Source: Industry, Actelion. (Budget: \$8,000/per patient). UT-IRB # 8422. March 8, 2006 — Closed 11/19/2007.
26. Sedation in the ICU Safety & Efficacy of Dexmedetomidine Compared to IV Midazolam. Muthiah P. Muthiah, MD [site-Principal Investigator] **AX Freire** Co-Investigator. Funding Source: Industry, Hospira/ Omnicare Clinical Research, Inc. (Budget: \$10,000/per patient). UT-IRB # 8319. September 19, 2006. — Closed 01/26/2007.
27. Multi-Center Clinical Trial (BISCETT) Bard Silver-Coated Endotracheal Tube to Reduce Ventilator Associated Pneumonia. **AX Freire** [site-Principal Investigator] Funding Source: Industry, Bard (Budget: Tot \$39,000/\$6,000 per Pt). UT-IRB # 8123. 01/21/2004 — Completed March 3, 2006.
28. "Proprietary Antibiotic" (~~Linezolid vs. Vancomycin/ Oxacillin/ Dicloxacillin~~) in the Treatment of Catheter-Related Bloodstream Infections. **AX Freire** [site-Principal Investigator] Funding Source: "Private Industry", ~~Pharmacia (Upjohn)~~ (Budget: \$35,000.00/\$9,000 per Pt). UT-IRB # 7637. 07/2002 — Completed April 21, 2004
29. Linezolid in the Treatment of Penicillin-Resistant *Streptococcus pneumoniae* Pneumonia; An Open-Label, Non-Comparator Study. **AX Freire** [site-Principal Investigator] Funding Source: Industry, Pharmacia (Upjohn) (Budget: \$34,000.00/\$6,800 per Pt). UT-IRB # 7486. 10/2001 — Completed April 11, 2003.
30. Comparative Studies of Subcutaneous Novolog Insulin versus Intravenous Regular Insulin in the Treatment of Patients with Diabetic Ketoacidosis. Umpierrez GE, Kitabchi AE, MD [site-Principal Investigator] **AX Freire** Co- Investigator. Funding Source: Industry, Novo Nordisk Pharm, Copenhagen, Denmark (Budget: \$97,000.00). UT-IRB # 7414 06/2001 2000 — Completed April 30, 2003.
31. Comparative Studies of Subcutaneous Insulin Lispro Versus Continuous Intravenous Regular



- Insulin in the Treatment of Hyperglycemic Crises. Umpierrez GE, Kitabchi AE, MD [site-Principal Investigator] **AX Freire** Co- Investigator. Funding Source: Industry, Eli Lilly & Co, Indianapolis, IN (Budget: \$50,000.00). UT-IRB # 7270. 01/2001 — Completed November 25, 2002.
32. Accuracy of The Gluco-Watch Biographer in the Management of Diabetic Ketoacidosis. Kitabchi AE, Umpierrez GE, MD [site-Principal Investigator] **AX Freire** Co- Investigator. Funding Source: Industry, Cygnus Inc. Redwood City, CA (Budget: \$112,960.00). UT-IRB # 7268. 01/2001 — Completed February 26, 2003.
33. A Prospective, Multicenter Study of the Anemia of Critical Illness and Transfusion in the Critically Ill Patient. **AX Freire** [site-Principal Investigator] Funding Source: Industry, Ortho Biotech Products, L.P. (Budget: \$8,000). UT-IRB # 7166. 07/2000 — Completed 04/2001.

#### **UTHSC SUPPLEMENT**

#### **FACULTY APPOINTMENTS (UTHSC COM at MEMPHIS):**

##### Primary Appointment:

07/2008 – Current	<b>Professor of Medicine, Department of Medicine, UTHSC COM at Memphis Division of Pulmonary, Critical Care, and Sleep Medicine</b>
07/2005 – Current	<b>Tenure Status</b>
07/2002 – 06/2008	Associate Professor of Medicine, Department of Medicine Division of Pulmonary, Critical Care, and Sleep Medicine
08/1999 – 06/2002	Assistant Professor of Medicine, Department of Medicine Division of Pulmonary and Critical Care Medicine

##### Secondary Appointment:

07/2017 – Current	Professor of Dentistry, UTHSC at Memphis
07/2002 – 06/2008	Associate Professor of Preventive Medicine Department of Preventive Medicine, College of Medicine at Memphis
02/2000 – 06/2002	Assistant Professor of Preventive Medicine Department of Preventive Medicine, College of Medicine at Memphis

##### Other Academic Appointments (Medical Technologist Schools):

07/2015 – 02/2018	Associate Chairman of Medicine (Education) M3-Medicine-Core Director
09/2013 – *	Medical Director, Polysomnography Technologists Program Concorde Career College. Memphis, TN
07/2008 – 05/2014	Adjunct Professor, Master of Public Health Program (Director: M Levy, Dr.PH) University of Memphis, Graduate School of Public Health
02/2000 – *	Medical Director, Respiratory Therapy Program Concorde Career College. Memphis, TN

##### Other Universities (Mt Sinai SOM, U Guadalajara, Jalisco-Mexico & U Guayaquil, Ecuador):

06/2011 – 05/2013	Adjunct Faculty, Internal Medicine Residency Program (HLV)
04/2011 – 06/2017	Professor (External), Medicina del Enfermo Crítico - Training Program. U de Guadalajara, Jalisco - Mexico
09/1996 – 07/1999	Director, Pulmonary and Critical Care Medicine Training Program School of Graduate Medicine: University of Guayaquil, Ecuador
05/1993 – 08/1996	Aux. Professor of Medicine, Pulmonary Diseases School of Medicine: University of Guayaquil, Ecuador
05/1992 – 04/1993	Aux. Professor of Medicine, Internal Medicine School of Medicine: University of Guayaquil, Ecuador
09/1983 – 04/1985	Instructor (Pulmonary Diseases), Department of Medicine Mount Sinai School of Medicine, CUNY. New York

#### **INTRAMURAL RESPONSIBILITIES, COMMITTEES, OFFICES HELD, AND ADMINISTRATIVE SERVICES:**

##### Academic (UTHSC-COM at Memphis):

2012 — 2017 UTHSC Faculty Promotion & Tenure Committee Member (Department of Medicine)

2010 — 2013 UTHSC Faculty Promotion & Tenure Committee Member (Dean advisory)  
 2009 — 2014 UTHSC Hispanic American Heritage Month Committee Member  
 2008 — Current Member, Progress & Promotion Committee, Class 2007, 2012, 2015, 2019

2008 — 2010 UTHSC Faculty Senate, Research Committee  
 2007 — 2008 UTHSC Faculty Senate, Clinical Affairs Committee  
 2006 — \* UTHSC Faculty Senate, Faculty Affairs Committee - current  
 2005 — 2010 UTHSC Faculty Senate, Memphis Campus (Elected by peers)  
 Re-elected July 2007  
 Re-elected July 2016 - current

2004 — \* **Division Chief. Pulmonary, Critical Care, and Sleep Medicine (current)**

Pulmonary and Critical Care Medicine Fellowship, Sleep Fellowship & IMRP:

2013 — \* Sleep Medicine Fellowship - Program Director - current  
 2010 — 06/2012 UTHSC-COM at Memphis PCCM Fellowship (acting) Program Director  
 2009 — 06/2013 Sleep Medicine Fellowship (Program Planning Committee Director)  
 2007 — 09/2013 PCCM Site Director, The Regional Medical Center (The MED)  
 2004 — 04/2007 Director, UTHSC-COM at Memphis PCCM Fellowship Program  
 2004 — \* Selection, Evaluation & Promotion, QaQi, and Curriculum Committees  
 2004 — 01/2009 Internal Medicine Residency Program (IMRP), Selection Committee  
 2004 — 07/2007 Internal Medicine Residency Program, Subspecialty Program Directors Curriculum  
 2013 — \* Committee (SPDCC)

Hospitals (The Regional Medical Center at Memphis, TheMED):

2004 — 09/2013 Medical Director, Medical Intensive Care Unit (MICU), Progressive Care Unit (PCU), Respiratory Therapy (RT), Bronchoscopy Laboratory (Bronch Lab & EBUS), Pulmonary Function Laboratory (PFT & CPEX Lab), Outpatient Pulmonary Clinics at the MEDPLEX, “Airways Friendly Team” (AFT) Health Education for Asthma and COPD, and Rapid Response Team at the Regional Medical Center, The MED.  
 Member of the Special Care, Burn M&M, Organ & Tissue Donor, QaQi Outcome Improvement, Infections in the ICU (director), Infection Control, & Leadership Advisory Committees.

VAMC at Memphis:

2008 — 09/2009 Interim Director, Sleep Medicine Center

Sleep Medicine: (Clinical)

2012 — 2017 Medical Director, Wesley Sleep Diagnostics Center, Centerview - Cordova, TN  
 2009 — 2013 Medical Director, Memphis Sleep Diagnostics Center, Ridgeway Memphis, TN

**CLINICAL ACTIVITIES:**

The Regional One Health: (2014 — 2015)

Attending responsibilities outpatient clinic

Regional Medical Center at Memphis, The MED: (1999 – 2014)

Attending responsibilities at the MICU, PCU, inpatient consultation services, outpatient pulmonary clinic (Outpatient - MEDPLEX), PFT, CPEX, airways (AFT/Asthma & COPD) education clinic, and bronchoscopy-EBUS & Airway Stents laboratory.

Methodist University Hospital, MUH: (2008 – 2013)

Attending responsibilities at the inpatient pulmonary consultation, bronchoscopy, PFT & CPEX laboratory.

East Moreland office, UTMG: (2008 – 2014)

Attending responsibilities at the outpatient pulmonary clinic. Clinics of Excellence in Sarcoidosis & Sleep Medicine.

Memphis Veterans Administration Medical Center, VAMC: /Current

Attending responsibilities at the Sleep Disorders Center, Sleep Clinic, and Sleep Laboratory.

Wesley Sleep Diagnostics Center: (2012—2017)

Medical Director & Attending Physician, Sleep Medicine

Memphis Sleep Diagnostics: (2005 – 2013)  
 Medical Director & Attending Physician, Sleep Medicine  
Hardin Medical Center: (2007 — \*)  
 Attending Physician, Sleep Medicine  
American Sleep Medicine: (2015)  
 Attending Physician, Sleep Medicine

**TRAINING/TEACHING RESPONSIBILITIES:**

Master Clinician, University of Tennessee Health Science Center College of Medicine at Memphis.

Post-Graduate Level (PCCM Fellowship, CCM & Sleep Medicine Programs & IMRP):  
 UTHSC Pulmonary and Critical Care Medicine Fellowship (VAMC-Current & The MED/2014). Training fellows in 3 ACGME accredited programs. IMRP medical residents in clinical respiratory and critical care medicine; lectures on sleep medicine, pulmonary physiology, function, dysfunction, assessment and treatment.  
 UTHSC COM-Memphis IMRP: COPD & Asthma (Recurrent lectures)

**PCCM-CCM Monthly Modules – Curriculum Directorship:**

02/2018 Asthma & COPD	12/2007 Neuro Critical Care
11/2016 Neuro Critical Care	09/2007 Airways Disorders (COPD & Asthma)
11/2015 Asthma & COPD	07/2007 Fellows School (1/2)
11/2014 Neuro Critical Care & Sleep Medicine	06/2007 Prep 2 Practice (Co-Director)
12/2013 Asthma & COPD	07/2006 Fellows School (1/2)
01/2012 Asthma & COPD	01/2006 Neuro Critical Care
07/2011 Fellows School (1/2)	10/2005 Asthma & COPD
05/2011 Sleep Medicine	05/2005 Sleep Medicine
10/2010 Neuro Critical Care	02/2004 Genetic Lung Diseases
07/2010 Fellows School (1/2)	04/2002 Sleep Medicine
07/2009 Fellows School (1/2)	12/2002 Asthma Module
04/2009 Airways Disorders (COPD & Asthma)	2001 Respiratory Therapy in the ICU
07/2008 Fellows School (1/2)	2000 COPD Module

Graduate Level (College of Medicine M1-M4 Professional Courses):

M4-M3 (Senior/Junior) Teaching medical students during their junior internship in the ICU and/or during their Pulmonary clerkship &/or Research Mentorship.

M4 (Senior) Mentor for QaQi projects in the ICU.

2006—07 Nick Buss, Neil Jain, James Goodin (Central Line Placement/CRI Prevention)  
 2007—08 Raphael Silver & Robert Craven (Patient Satisfaction Survey)

M2 (Sophomore) Pathophysiology lecturer in pulmonary & neurology/sleep.

M1-M2 (Freshman/Sophomore) Longitudinal Community Program (LCP), introduction clinical medicine.

M1-M2 (Freshman/Sophomore) Prevention, Community, and Culture (PCC Course).

2008 – 2013	Prevention, Community, and Culture (M1 & M2 PCC) Course Director: S Connelly, MD
2005 – 2009	Pathophysiology Course (M2 Students) Neurology Lecture: Sleep Pathophysiology
2000 – *	Pathophysiology Course (M2 Students) Pulmonary Lectures: Pneumonia, Pulmonary Function Test –Lectures, Pulm Mechanics, PI Effusion, & Course Laboratory
2002 – *	Longitudinal Community Project Curriculum/ introduction to clinical medicine. Master Clinician LCP (Class 2005 — 2013) Course Director: Dr. Gail Beeman
2002 – 2003	Clinical Epidemiology Course (M1 Students) Coordinator Dr. Alicia McClary Lectures: Sensitivity and Specificity (05/13/2002)

College: University o Memphis

2013 Alden Blake Daniels - Pre-Medical (Research & Mentorship)

Allied Health:

Providing CME to ICU-PCU nurses and RRT/CRT at the Regional Medical Center, The MED.

Special Skills Projects:

- 2004 – 2013 Instructor, Fundamentals Critical Care Support-FCCM
- 2000 – 2013 Community Outreach Program Director: “A-F-T” Airways Friends Team, a Health Education (monthly) Program for Asthma & COPD. MEDPLEX
- 2001 – \* “Salud y Medio Ambiente” Weekly Health Education Program Radio Ambiente 1030 AM-WGSF, Memphis

Recurrent Lectures (ICU):

General Care for the ICU Patient, ARF, ARDS, Severe-CAP, Mechanical Ventilation I, Mechanical Ventilation II, PAC, Hemodynamic Monitoring, SIRS Severe Sepsis & Septic Shock, Massive PE, VAP, Nutrition in the ICU, Sedation Analgesia Delirium & Paralysis, vasopressors, Complex Acid-Base Disorders, ICU Hyperglycemia, COPD in the ICU, Asthma in the ICU, DKA, Prone Ventilation, Prevention Bundles.

Recurrent Lectures (Pulmonary):

Asthma, COPD, CAP, TB Dg, TB Rx, P Embolism, Lung Cancer Staging, Lung Cancer Screening, Bronchoscopy 101, Pulmonary Function Studies, Six Minute Walk Test, Malignant Pleural Effusion.

Recurrent Lectures (Sleep Medicine):

Introduction to Sleep Medicine, Basics of Sleep Scoring, OSA and Cardiovascular Diseases. PSNG Laboratory & Scoring exercises/8 lectures series.

Recurrent Lectures (Clinical Epidemiology):

Diagnostic Test, Sensitivity & Specificity, Databases and Outcome Research in the ICU.

**REFERENCES:** (Available upon request)

**Updated:** April 10, 2018