

Pulmonary and Critical Care Medicine Fellowship Program

Scholarly Activities – 2009-2010

I. Published Manuscripts/Case Reports

Patel R, Naik S, Amchentsev A, Saleh A. A Rare Cause of Multiple Cavitory Nodules. *Chest* July 2009 136:306-309 (Chest Imaging And Pathology For Clinicians)

Kurugundla N, Wei L, Okadigwe C, Russi T, Franco R. Tularemia presenting as a unilateral pleural effusion in a metropolitan city. Printed online 21 August 2009 in Respiratory Medicine CME (an Elsevier publication)

Patel R, Naik S, Melnikau B, Nagarajan V, George L, Lindenmayer A, Colby S, Goldshteyn N. Clavicular tuberculosis following trivial trauma (case report). *South Med J.* 2009 Aug;102(8):848-51.

Amchentsev A, Kurugundla N, Lombardo G. Obstructive sleep apnea as a cause of nocturnal eating. *Available online 9 July 2009 Sleep Medicine*

Patel N, Saleh A, Raoof S, Gudi M, George L, Prakash U. Tracheobronchial Manifestations of Aspergillosis. *J. Bronchol Intervent Pulmonol* 2010;17:45-53.

Devakonda A, Raoof S, Sung A, Travis W, Naidich D. Bronchiolitis: A Clinical-Radiologic Diagnostic Algorithm. *Chest* 2010;137:938-951.

Esan A, Raoof S, Hess D, George L, Sessler C. Severe Hypoxemic Respiratory Failure: Part 1 – Ventilatory Strategies. [Invited manuscript] Contemporary Reviews in Critical Care section of Chest. *Chest* 2010;137:1203-1216.

Raoof S, Goulet K, Esan A, Hess D, Sessler C. Severe Hypoxemic Respiratory Failure: Part 2 – Non-Ventilatory Strategies [Invited manuscript] Contemporary Reviews in Critical Care section of Chest. *Chest* 2010;137; June 2010.

Ebben, MA. and Spielman, AJ. (2009). Non-pharmacological treatments for insomnia. *Journal of Behavioral Medicine*. 32(3):223 – 233.

Glovinsky, PB and Spielman, AJ. *Bezsenosc.* (2010). Helion, S.A., Polish edition of, *The Insomnia Answer* (2006). A Perigee Book, division of The Penguin Group.

Spielman, A. J., Yang, C.M., and Glovinsky, P.B. (in press). Assessment techniques for insomnia. Chapter in: *Principles and Practices of Sleep Medicine, Fifth Edition*, M. Kryger, T. Roth and W. Dement (eds). W. B. Saunders Co. Toronto, Canada.

Harvey, A., Spielman, A. (in press). *Insomnia: Diagnosis, Assessment and Outcomes*. Chapter in: *Principles and Practices of Sleep Medicine, Fifth Edition*, M. Kryger, T. Roth and W. Dement (eds). Saunders Co. Toronto, Canada.

Spielman, AJ., Yang, CM., Glovinsky, PB. (in press). *Sleep Restriction Therapy*. Chapter in: *Insomnia*, Buysse and Sateia, eds. Informa.

II. Books/Book Chapters/Editorships

Sung A, Kumaran R, Ernst A. *Airway Anatomy for the Bronchoscopist*. Introduction to Bronchoscopy (Armin Ernst, Editor), 38-45. Cambridge University Press, New York, 2009.

Kurugundla N, Majid A, Riquelme LF, Sung A. Examination of the larynx through flexible bronchoscopy. *Flexible Bronchoscopy*, 3rd edition, edited by Ko-Pen Wang (submitted for publication 2009).

Patel R, Rutt A, Sung A. *Management of Complex Airways Diseases*, ext *Book of Pulmonary Medicine – A Developing Countries Perspective*– S.K. Jindal – Editor – 2010 in process

Abdelwahed A, Weingarten J. *Approach to Respiratory Sleep Disorders*. *Text Book of Pulmonary Medicine – A Developing Countries Perspective* – S.K. Jindal – Editor – 2010 in process

Esan A, Irugupati L, George L. *Non-pulmonary critical care*. *Text Book of Pulmonary Medicine – A Developing Countries Perspective* – S.K. Jindal – Editor – 2010 in process

Patel V, Saleh A. Right heart catheterization. Text Book of Pulmonary Medicine – A Developing Countries Perspective – S.K. Jindal – Editor – 2010 in process

Ninan N, Monson A, Sung A. Pulmonary Hypertension in the ICU. Text Book of Pulmonary Medicine – A Developing Countries Perspective – S.K. Jindal – Editor – 2010 in process

Naik S, Raof S, Shah R, Raof Suhail. Pulmonary Imaging – Part 1 - Systematic approach to interpretation of plain chest radiographs. Text Book of Pulmonary Medicine – A Developing Countries Perspective – S.K. Jindal – Editor – 2010 in process

Patel R, Raof S, Shah R, Raof S. Pulmonary Imaging – Part 2 - Systematic approach to interpretation of CT of the chest. Text Book of Pulmonary Medicine – A Developing Countries Perspective – S.K. Jindal – Editor – 2010 in process

III. Abstracts/Presentations at National Meetings

Naik S, Hallak N, Patel R, Esan A, Saleh A, Sung A, Raof S. Reversible thyrotoxic cardiomyopathy – prompt resolution of heart failure in the setting of thyroid storm. Accepted as oral presentation at the Annual Meeting of the American College of Chest Physicians, October 2009.

Patel R, Patel V, Esan A, Lapidus C, Sung A. The Prevalence of Tracheobronchomalacia in Patients with Asthma or Chronic Obstructive Pulmonary Disease”. Slide presentation at the American College of Chest Physicians 2009 Annual Meeting, October 2009. (semifinalist for Young Investigator Award Also)

Patel R, Abdelwahed A, Fisher E, Khusid F, Raof S. Non-invasive pressure control ventilation in conjunction with intra-pulmonary percussive ventilation avoids reintubation of post-extubation respiratory failure. 39th Critical Care Congress (SCCM), February 2010.

Ninan N, Esan A, Wentowski C, Abdelwahed A, Sung A, George L. The incidence of ventilator-associated tracheobronchitis and its relationship to ventilator associated pneumonia. Poster presentation at the American Thoracic Society Annual Meeting, May 2010.

Patel R, Gigineishvilli K, Ninan N, Sung A. Postpneumonectomy Syndrome. Poster presentation at the American Thoracic Society annual meeting, May 2010.

Esan A, Abdelwahed A, Wentowski C, George T, George L, Salama S. 61 year old female with complete opacification of left lung airway. Accepted for both poster and slide presentation. American College of Chest Physicians Annual Scientific Assembly, November 2, 2010.

Ninan N, Wentowski C, Sudore P, Abdelwahed A, Kilari D, Bellevue R, George L. The association between lipid levels and pulmonary hypertension in patients with sickle cell disease. Accepted for poster presentation American College of Chest Physicians Annual Scientific Assembly, November 2, 2010.

Khusid F, Fisher E, Naik S, Raof S, Esan A, George L, Lebedin I. High frequency percussive ventilation profoundly improves oxygenation and ventilation in a patient with H1N1. Abstract accepted for presentation at the 40th Critical Care Congress (SCCM), January 2011.

IV. Abstracts/Case Reports (Local)

Irugulapati L, Patel R, Raof S. Significance of pulmonary Cryptococcus. NYMH Resident Research Day, May 2010

Naik S, Patel R, Esan A, Saleh A, Sung A, Ciaburri D, Tortolani A, Raof A. Use of Extracorporeal Life Support in a patient with ARDS from H1N1 Influenza: Experiences gained. NYMH Resident Research Day, May 2010

Abdelwahed A, Esan A, Salama S. Esophageal Stent Migration to the Airway. NYMH Resident Research Day, May 2010

Patel R, Fisher E, Khusid F, Raof S. Non-Invasive Pressure Control Ventilation in conjunction with Intra-Pulmonary Percussive Ventilation avoids Reintubation of Post-Extubation Respiratory Failure. NYMH Resident Research Day, May 2010

Patel V, Russi T. Rapidly growing mycobacteria causing pulmonary infection. NYMH Resident Research Day, May 2010

Esan A, Irugulapati I, Khusid F, Oribabor C, George L, Tortolani A, Raof S. Use of High Frequency Percussive Ventilation in Severe Hypoxemic Respiratory Failure (accepted as oral presentation). NYMH Resident Research Day, May 2010

V. International Presentations

Raof S. GulfThoracic-2010 Congress, Non Invasive Ventilation in ALI and ARDS and CXR Interpretation workshop. Rotana Beach Hotel, Abu Dhabi, United Arab Emirates, March 17-20, 2010.

Raof S. Presentation on Bronchiolar Diseases and meet the professor session on Ventilatory strategies in the Management of Severe Hypoxemic Respiratory Failure. European Respiratory Society September 17-22, 2010, Barcelona Spain.

Sethi S. Represent ACCP at the Turkish Respiratory Society Meeting, Antalya, Turkey, October 20-24, 2010. In addition to speaking on the benefits of ACCP memberships, gave sessions on interesting case presentations.

Raof S. Management of severe hypoxemia respiratory failure-non ventilatory strategies, Systemic approach to interpreting chest X-ray in ICU, Algorithmic approach to bronchiolar diseases, XXXV Congress of the Brazilian Thoracic Society, Curitiba, Brazil. November 16-20, 2010.

VI. Faculty Courses Directed/Presentations (National)

Chairman and Faculty, Panel Discussion “Mechanical Ventilation - Old and New”, Chest 2009. (S. Raof)

Co-Chair, Mechanical Ventilation Course [Pulmonary Board Review Course], August 25, 2009, Phoenix, AZ (S. Raof)

Chairman and Faculty, Post Graduate Course on Chest Radiology, ACCP Annual Meeting, November 1, 2009, San Diego (S. Raof)

Chairman, Clinical Case Puzzlers (8 sessions held over 4 days during Chest 2009) in San Diego, CA, October 31-November 5, 2009 (A. Saleh)

Faculty, 16th Pulmonary and Critical Care Fellows Conference Fellows Conference, Pulmonary Highlights III: Radiology 101, Chest 2009, November 1, 2009 (S. Raof)

Master Clinician, Clinical Case Puzzlers Interactive Session -Lung Nodules, Chest 2009, November 2, 2009 (S. Raof)

Faculty, Basic and Advanced Bronchoscopy Skills with a Focus on Endobronchial Ultrasound. Simulation Course sponsored by the American College of Chest Physicians, Northbrook, IL, February 13-14, 2010. (A. Sung)

Speaker, 2010 Annual Scientific Assembly of the New York State Thoracic Society “Pleur catheters”, March 19, 2010 (A. Sung)

Meet the Professor Session “Five Most Missed Lesions on Plain Chest Radiograph”, American Thoracic Society Annual Meeting, May 18, 2010 (S. Raouf)

Faculty, 17th Pulmonary and Critical Care Fellows Conference. Pulmonary Highlight III: Radiology 101 and ABIM Certification Exam Preparation 101. Chest 2010, October 31, 2010 (S. Raouf)

Co-Director, Chest Radiology for the Pulmonologist Postgraduate Course, Chest 2010, October 30, 2010 (S. Raouf).

Chairman, Clinical Case Puzzlers (Critical Care, Pulmonary Infections, Diffuse Lung Disease, Pleural Lung Disease), November 2-3, 2010. Chest 2010 (A. Saleh)

Pulmonary and Critical Care Medicine Fellowship Program

Research

As part of the academic environment, an active research component must be included within each accredited subspecialty program. The program ensures a meaningful, supervised research experience with appropriate protected time in blocks and concurrent with clinical rotations for each resident, while maintaining the essential clinical experience. Evidence of recent productivity by both the program faculty and by the fellows, as a whole will be required, including publication in peer-reviewed journals. Fellows must learn the design and interpretation of research studies, responsible use of informed consent, and research methodology and interpretation of data. The program provides instruction in the critical assessment of new therapies and of the medical literature. Fellows should be advised and supervised by qualified faculty members in the conduct of research.

Educational Goals And Objectives

- Train the fellow in the principles of clinical research and multi-center trials, informed consent and ethical conduct of human research
- Train the fellow in techniques of laboratory investigation, purpose and design of trials.
- Provide critical analysis of literature and relevance to clinical medicine.
- Require participation in and preparation of a research project, research discussions or manuscript/abstract preparation.
- Require presentations and productivity that demonstrate comprehension of research methodology and statistics

Past Research projects:

- Transthyretin (Prealbumin) to assess malnutrition in critically ill patients.(paper accepted for publication in Clinical Biochemistry, 2008)
- Validation of Procalcitonin levels in early identification and monitoring of sepsis in critically ill patients. Prospective observational study, Approved by IRB
- A Retrospective Analysis of the Characteristics and Outcome of Patients Admitted into the Medical ICU with Acute Gastrointestinal Bleeding
- Prevention of venous thromboembolism in critically ill
- Unilateral absence of the pulmonary artery (publication resulted)
- Aspergillus tracheal bronchitis (publication)
- The Prevalence of Tracheobronchomalacia in Patients with Asthma or Chronic Obstructive Pulmonary Disease. Study completed. Accepted for slide presentation at CHEST 2009
- Vancomycin intermediate resistance Staph aureus

- Clavicular tuberculosis (publication resulted)
- Obstructive sleep apnea and procalcitonin levels
- CRP levels in patients with COPD
- Leiomyosarcoma (Case report)
- Acute myelogenous leukemia with lung involvement (case report)
- Prospective study of VDR ventilation vs. low tidal volume ventilation in patients with ARDS
- Linezolid vs. vancomycin in MRSA Pneumonia
- Hypoxemic respiratory failure (resulted in publication)
- "Thyrotoxicosis: a reversible cause of cardiomyopathy" accepted for oral presentation at CHEST 2009
- Non-Invasive Pressure Control Ventilation in conjunction with Intra-Pulmonary Percussive Ventilation avoids Reintubation of Post-Extubation Respiratory Failure –(Accepted for presentation at the SCCM 2010 annual meeting)

New projects planned:

- Comparison of pulmonary artery occlusion pressure with left ventricular end-diastolic pressure in our community-based hospital
- Evaluation of CPAP compliance and effectiveness with a custom fitted sleep apnea mask included in our study. Study is randomized crossover design.
- Comparison of demographics between patients with central line associated blood stream infections vs patients with no documented central line infections in years 2007 and 2008. In process of entering data for 1200+ medical and surgical ICU patients with central lines during this time period.
- Original research study on "Ventilator-associated pneumonia; a bundled approach"
- Case report and review of literature on Babesiosis: a rare cause of splenic infarction,
- Case series on Lymphocytic Interstitial Pneumonitis
- MRI derived Ventricular Mass Index AND 2D-Echo derived RVSP to assess pulmonary artery pressures