

Vibhu Sharma MD, MS  
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## Education

**University of Illinois at Chicago**  
*Certificate in Clinical Research Methods*

**Chicago, IL**  
6/ 2012

**Weill Cornell Medical College**  
*Master of Science, Clinical Epidemiology and Health Services Research*

**New York, NY**  
7/2006-6/2008

**All India Institute of Medical Sciences (AIIMS)**  
*Medical School Degree: MBBS*

**Delhi, India**  
7/1990 – 1/1996

Included a year of a rotating internship through the nations flagship tertiary care academic medical centers' clinics and wards, during which time referrals from other hospitals nationwide and internationally were cared for.

## Internship/Residency

**All India Institute of Medical Sciences (AIIMS)**  
*Cardiothoracic Vascular Sciences (CTVS) Blood Bank House Officer*

**Delhi, India**  
2/1996 – 6/1996

This tertiary care “hospital within a hospital” serves as the referral center for cardiovascular services nationwide and internationally. As a house officer, responsibilities included assessment and evaluation of blood products and assisting technical staffs in releasing cross matched blood products to the operating rooms and intensive care units.

**State University of New York Health Science Center**  
*Categorical Internal Medicine Residency Program House staff*

**Brooklyn, NY**  
7/1996-6/1999

This hospital is a major center for inner-city medical care for Brooklyn residents. House staff rotated through three major medical facilities; King’s County Hospital Center, SUNY Medical Center and the Brooklyn V.A. Medical Center.

## Fellowship

**University of Massachusetts Medical Center**  
*Pulmonary Critical Care Fellowship Program*

**Worcester, MA**  
7/1999-12/2000

As a fellow, responsibilities included bronchoscopies, ICU coverage and supervision of residents and medical students. Completion of fellowship postponed due to sponsorship and student visa circumstances.

**University of Illinois at Chicago Medical Center**  
*Fellow, Section of Pulmonary, Critical Care, Sleep and Allergy Medicine*

**Chicago, IL**  
7/2009-6/2012

Fellowship responsibilities consist of bronchoscopic interventions, advanced critical care ultrasound procedures, echocardiography, chest tube and pleurX catheter placements at large inner-city hospitals including UIC Medical Center, Jesse Brown V.A. Medical Center and Mercy Medical Center. Clinical responsibilities also include outpatient care of Pulmonary patients at the V.A. and UIC clinics as well as care of patients with Tuberculosis in the Tuberculosis clinics under the auspices of the Chicago Department of Public Health. As a Senior Fellow, specific responsibilities include organizing and coordinating weekly clinical case conferences, lecturing to residents and medical students.

## **Work Experience**

**University of Colorado Anschutz Medical Center,  
Division of Pulmonary Sciences and Critical Care Medicine**

*Associate Professor of Medicine*

6-8 weeks of medical intensive care unit service

**Denver, CO**  
10/2019-present

**Rocky Mountain Veterans Affairs Medical Center**

*Staff Physician.*

Activities include development and direction of the Pleural Consult Service that provided focused consultative and procedural inpatient and outpatient support for complex pleural disorders (Pleural biopsy, pigtail placement, imaging evaluation of pleural effusions)

**Denver, CO**  
10/2019-present

**Rocky Mountain Veterans Affairs Medical Center**

*Director of Critical Care Ultrasound*

**Denver, CO**  
10/2019-present

**John H Stroger Hospital of Cook County**

*Attending Physician, Division of Pulmonary and Critical Care Medicine*

Leadership and administrative activities include teaching of house-staff and Pulmonary/ Critical Care Fellows in the County hospital that serves the population of Cook County, Chicago.

**Chicago, IL**  
8/2012-10/2019

**Rush Medical College**

*Assistant Professor of Medicine, Department of Internal Medicine*

**Chicago, IL**  
8/2012-10/2019

**John H Stroger Hospital of Cook County**

*Director of Critical Care Ultrasound*

**Chicago, IL**  
1/2013-10/2019

**Northwestern Medicine Delnor Hospital**

*Intensivist*

Weekend Intensivist covering the medical intensive care unit of a busy community hospital

**Geneva, IL**  
10/2015-6/2016

**Carle Illinois College of Medicine**

*Intensivist*

Weekend Intensivist covering the medical intensive care unit and Pulmonary Consult Service

**Urbana, IL**  
10/2016-11/2019

**Jesse Brown VA Medical Center**

*Emergency Department Part Time Staff*

*(End date is approximate)*

Responsibilities include staffing ED and supervision of ED residents rotating through ED.

**Chicago, IL**  
7/2015-12/2015

**United Regional Health Ctr**

*Hospitalist Attending*

Responsibilities included attending on patients on the inpatient and intensive care services of a large community hospital in Texas.

**Wichita Falls, TX**  
3/2009-6/2009

**SUNY Downstate Health Science Center**

*Director, Section of Hospital Medicine and Attending Physician*

**Brooklyn, NY**  
6/2007-2/2009

*Clinical Assistant Professor of Medicine and Attending Physician*

11/2005-2/2009

Leadership and administrative activities included development of MS Access based billing platform for the Section of Hospital Medicine, database development to track control of diabetes management, co-chairing of Operations Committee with associate chief of Medicine, heading quality of care initiatives on an ongoing basis and founding the “ATS” conference series (“Across The Street”): an interactive case-based series involving hospitalists in two large academic New York City programs (Kings County Hospital Center and SUNY Health Science Center, Brooklyn, NY).

**Methodist Hospitals of Dallas**

*Attending Physician*

**Dallas, TX**

11/2004-11/2005

Responsibilities included attending on patients on the inpatient and intensive care services of two large community hospitals and two affiliated rehabilitation and long term acute care facilities.

**Hansford County Hospital District**

*Chief of Staff and Attending Physician*

*Medical Director of Respiratory Care and Attending Physician*

*Medical Director Hansford Manor (The HCHD Nursing Home)*

*Medical Director, Hansford Hospice*

**Spearman, TX**

3/2004-11/2004

1/2001-11/2004

1/2003-11/2004

1/2001-11/2004

Initiated and implemented the noninvasive ventilation program at HCHD

**Publications/ Book chapters**

Does Hypoxia Itself Beget Worsening Hypoxemia in COVID-19? Chan E, **Sharma V** Mayo Clinic Proceedings (2021).

Almajthoub Z, AlNabulsi M, **Sharma V** A 58 year Old Man with Abdominal Ascites Ultrasound Corner CHEST 2021; 159(1): e61-e63

**Sharma V**, Bailitz J A Tale of Two Loculations Ann Am Thorac Soc Vol 17, No 4, pp 517-519, Apr 2020

**Sharma V**, Gudivada D, Gueret R, Bailitz J Ultrasound Assessment of Gastric Antral Area Correlates With Aspirated Tube Feed Volume in Enterally Fed Critically Ill Patients Patients admitted to the Medical Intensive Care Unit. Nutrition in Clinical Practice Volume 32 Number 2 April 2017 206-211 © American Society for Parenteral and Enteral Nutrition (ASPEN)

Chan PY, Alrashid M, Sekosan M, **Sharma V** Pet groomers lung: A novel occupation related hypersensitivity pneumonitis related to pyrethrin exposure in a pet groomer Am J Ind Med 60 (1) : 141-145, Jan 2017 (**Resident mentored project**)

**Sharma V**, Markos M. Respiratory Disorders in End Stage Kidney Disease (Book Chapter 26) in: “Henrich’s Principles and Practice of Dialysis” Lerma E (ed), Lippincott Williams and Wilkin, Philadelphia, PA (5<sup>th</sup> Edition, 2017).

Gottlieb M, **Sharma V**, Field J, Rozum M, Bailitz J. Utilization of a gum elastic bougie to facilitate single lung intubation. Am J Emerg Med. 2016 Aug 27 S0735-6757(16)30564-2.

**Sharma V**. Ultrasound diagnosis of dyspnea in a patient with systemic lupus erythematosus. Ann Am Thorac Soc 2015;12:1723–1724. (Lead article in a new Ultrasound series : Ultrasound Reflections in the Annals of the American Thoracic Society).

**Sharma V**, Koczka C, Fischer C. Underutilization of Evidence-Based Strategies in the Diagnosis and Therapy of Venous Thromboembolism among Trainees. J Hosp Med. 2010 Jan; 5(1):E26-30.

**Sharma V**, Zehtabchi S, Rojas N, Birkhahn R. Ethnic Variations in Quality of Life and Depressive Symptoms Among Black Americans with Acute Decompensated Heart Failure. J Natl Med Assoc. 2009 Oct; 101(10):985-91.

Koczka C, Otterbeck P, **Sharma V**. Pneumomediastinum in a 21-year-old Female with Lupus. South Med J. 2009 Jan; 102(1): 112-113

**Sharma V**, Cohn SL. Perioperative Medication Management: Book chapter in "Hospital Medicine: Just the Facts" McKean S (ed), McGraw Hill, New York, NY (Page 592-599, 2008) Editors: Sylvia McKean MD, Adrienne Bennett MD, Lakshmi Halasyamani MD

**Sharma V**, Editor. Pulmonary Section in: Fischer, C and Faselis, C USMLE Step 3 Lecture Notes Kaplan Medical, New York, NY (Page 507-524, 2008, Kaplan Inc).

**Sharma V**, Editor. "Pulmonology" in: Fischer, C and Faselis, C USMLE Step 2 CK Lecture Notes Kaplan Medical, New York, NY (Page 281-312, 2008, Kaplan Inc)

**Sharma V**, Content Editor, Kaplan Internal Medicine Q Bank: Pulmonary Critical Care Section (2006)

**Sharma V**. Book Review: Critical Care Handbook of Massachusetts General Hospital (Bigatello et al) Journal of Intensive Care Medicine 16 (4), 206-207 July, 2001

### **Selected Abstracts/Posters Presentations**

**Sharma V**, Neumeier A Ultrasound Guided Pleural Biopsy : Description of a Model and Trainee Preferences With Respect to Technique. Abstract Accepted for Presentation at American Thoracic Society Meeting May 2023, Washington DC

Gorvetzian S, Rhoads S, **Sharma V** An Unusual Case of Pneumothorax Reminds Us of a Common Cause (Great Cases : Clinical, Radiologic and Pathologic Correlations by Master Clinicians) Abstract Accepted for Presentation at American Thoracic Society Meeting May 2023, Washington DC

Nathani A, **Sharma V** Cool Extremities (and Not Capillary Refill) Is a Predictor of Acute Kidney Injury in the Critically Ill Abstract Accepted for Presentation at American Thoracic Society Meeting May 2020, Philadelphia, PA (**Resident mentored project**)

Walter JM, Kruser JM, Kadar RE, Unger ED, Gottlieb M, **Sharma V**, Horowitz R, Didwania AK, Barsuk J, Bailitz J. Development of Cardiac Critical Care Ultrasound Mastery Learning Curriculum. Poster Presented at Lew Landesberg Research Day, Northwestern Medical Center, April 2019

**Sharma V**, Christian E, Gueret R, Bailitz J, Tulaimat A. A Model of the Hemodynamic Status of Critically Ill Patients Receiving Fluid Therapy using Factor Analysis B41 - CRITICAL CARE: LOST IN THE FLOOD - FLUIDS, MONITORING, AND MANAGEMENT OF SHOCK Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Gueret R, Bailitz J, Tulaimat A. Ultrasound and Clinical Hemodynamic Assessment of the Critically Ill Patient B41 - CRITICAL CARE: LOST IN THE FLOOD - FLUIDS, MONITORING, AND MANAGEMENT

OF SHOCK Thematic Poster Session Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Chan P, Clapp W. Prevalence of Asthma in a Large Cohort of Pet Groomer A54 - INDOOR AND OUTDOOR AIR POLLUTION Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Chan P, Clapp W. Prevalence of Cough in a Large Cohort of Pet Groomers A54 - INDOOR AND OUTDOOR AIR POLLUTION Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Gueret R, Bailitz J. BMI Does Not Influence Cardiac View in Critically Ill Patients D42 - CRITICAL CARE: BLINDED BY THE LIGHT - IMAGING IN CRITICAL CARE Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Hammond N, Li H, Rodriguez J, Gueret R, Bailitz J. A Survey of the Use of Ultrasound Based Parameters to Assess Fluid Responsiveness D42 - CRITICAL CARE: BLINDED BY THE LIGHT - IMAGING IN CRITICAL CARE Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Watanabe-Tejada M, Li H, Gueret R, Bailitz J. The Ultrasound Serpent Sign B39 - PLEURAL DISEASE: CASE REPORTS I Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

**Sharma V**, Li H, Watanabe-Tejada M, Bailitz J. But It Is Not Empyema B39 - PLEURAL DISEASE: CASE REPORTS I Thematic Poster Session Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA

Li, Heyi, Rodriguez J, Chan P, **Sharma V**. Pneumonia Severity Index Correlates with High RAPID Category Pleural Effusion in the Critically Ill with Pneumonia Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA (**Resident mentored project**)

Rodriguez J, **Sharma V**. Pet Groomers Survey Responses Thematic Poster Session. Accepted for presentation at American Thoracic Society Meeting May 2018, San Diego, CA (**Resident mentored project**)

Subramanian R, Sahni A, **Sharma V**, Tan J. Primary Pulmonary Echinococcosis Presenting as a Cavitory Lung Lesion Poster 796 A presented at CHEST 2016

Gottlieb M, **Sharma V**, Field J, Rozum M, Bailitz J. Prospective randomized pilot trial of a novel single lung intubation technique Abstract ID 893 accepted for presentation at 2016 ACEP Research Forum, Las Vegas, NV

**Sharma V**, Gueret R, Bailitz J. Epoint to Septal Separation (EPSS) is a Better Discriminant of Left Ventricular Function than Fractional Shortening in Critically Ill Patients Abstract ID 8758 accepted for presentation at ATS 2016, San Francisco, CA

**Sharma V**, Gueret R, Bailitz J. Ultrasound Hemodynamics and Lung Ultrasound Identify Under-resuscitated Patients in the Medical Intensive Care Unit Abstract ID 8705 accepted for presentation at ATS 2016, San Francisco, CA

**Sharma V**, Gueret R, Bailitz J. The “Waterfall Sign”: A novel M-Mode Thoracic Ultrasound Sign to Objectively Quantify B Lines Abstract ID 8769 accepted for presentation at ATS 2016, San Francisco, CA

**Sharma, V**, Gueret R, Bailitz J. Correlation of Ultrasound Assessed Gastric Antrum Area with Aspirated Tube Feed Volume Abstract ID: 4216, New Abstract Number: 273 accepted for presentation at SCCM 2016, Orlando, FL

Chan Pu, **Sharma V**. Pet Groomers Lung: A new addition to the list of occupation related Hypersensitivity Pneumonitis spectrum of disorders Case report ID 4094 Accepted for presentation at ATS 2016, San Francisco, CA (**Resident mentored project**)

Sahni A, **Sharma V**. Recurrent Crazy Paving: An Unusual and Initial Presentation of a Rare Disease Thematic Poster Session, ID 64279 American Thoracic Society Meeting Sunday May 17 2015 Denver, CO.

Lopez J, **Sharma V**. Unusual Histopathologic Presentation of Acute Respiratory Failure in the Setting of "Rhopus" Thematic Poster Session ID 64308 American Thoracic Society Meeting Sunday May 17 2015 Denver, CO.

Rajasurya V, **Sharma V**. M-Mode Ultrasound in the Diagnosis and Follow Up of Diaphragmatic Dysfunction in the Setting of Shrinking Lung Syndrome: A Case Report Submission # 1986945. Affiliate Case Report Slide Presentation CHEST 2014, Austin TX (**Fellow mentored case report**)

**Sharma V**, Rojas N, Ko E et al. (May 17, 2009). Relationship of weight loss and B-type natriuretic peptide levels with symptomatic improvement in patients with acute decompensated heart failure. Poster presented at the Society of Hospital Medicine meeting, Chicago, IL.

**Sharma V**, Rojas N, Ko E et al. (May 17, 2009). Quality of Life scores, not New York Heart Association classification, predict symptomatic improvement among patients with acute decompensated heart failure (ADHF). Poster presented at the Society of Hospital Medicine meeting, Chicago, IL.

**Sharma V**, Rojas N, Kumar R et al. (September 13, 2009). Quality of Life and Depressive Symptoms among Minorities with Acute Decompensated Heart Failure in Hospitals Serving a Majority Black Population. Poster presented at 13th Annual Scientific meeting of the Heart Failure Society of America.

Koczka, C.P., **Sharma, V.**, Goodman, A.J. and Gress, F.G., 2009. W1020 Physicians' Perspective On Stress Ulcer Prophylaxis for Inpatients On the Medical Ward. *Gastroenterology*, 136(5), pp.A-636.

Koczka C, **Sharma V**, Fischer C. (November 10, 2008). Underutilization of Thromboembolism Prediction Rules. Poster presented at Upstate ACP poster competition

Mitchell JE, Caboral M, **Sharma V** et al. (2006). Weight loss and BNP levels in black patients admitted with decompensated heart failure. Poster presented at Heart Failure Society of America Annual Meeting.

## **Presentations**

*Presentations/Teaching Sessions to Pulmonary, Critical Care and Sleep Medicine Residents Fellows and Faculty at University of Colorado/National Jewish Hospital/RMR Veterans Affairs Regional Medical Center*

- **Evidence Based Airway Management Strategies , Fellows Education Day**, University of Colorado, 12/9/2022
- **Pulmonary Embolism, a Clinical Update, Fellows Education Day**, University of Colorado, 11/11/2022
- **Management of the Critically Ill Patient Around the time of Intubation**, Rocky Mountain Regional Veterans Affairs Medical Center, Denver, CO 9/22/2022
- **Morning Report Chest Imaging Review**, University of Colorado Medical Intensive Care Unit 8/2022

- **A Review of Trials in Sepsis**, University of Colorado Medical Intensive Care Unit 8/2022
- **Management of the patient with hypoxic ischemic brain injury**, University of Colorado Medical Intensive Care Unit 7/2022
- **A Case Based Discussion of Venous Thromboembolism**, Rocky Mountain Regional Veterans Affairs Medical Center, Denver, CO 8/5/2022
- **Septic Shock and Pressors for new Interns**, Rocky Mountain Regional Veterans Affairs Medical Center, Denver 7/14/2022
- **Mini-Pulmonary Grand Rounds**, Rocky Mountain Regional Veterans Affairs Medical Center, Denver, CO 4/8/2022
- **Pre-intubation Management of the Patient with Acute Respiratory Failure**, University of Colorado Medical Intensive Care Unit, 12/13/2019
- **Faculty Case Discussant, National Jewish Health Pulmonary Grand Rounds**
  - Progressive Disseminated Histoplasmosis: November 17 2022
  - A Case of Nivolumab Induced Meningoencephalitis: October 17 2022
  - A Case of Ectopic Deciduosus: November 11, 2021
  - August 2, 2021
  - A Case of Invasive Aspergillosis: April 8 2021
  - October 16 2020
  - Pulmonary Lymphoma: January 16, 2020

*Presentations to the Rush/ Cook County Pulmonary and Critical Care Faculty and Fellows, Rush University Medical Center*

- **Venous Thromboembolism : A Literature Update**: October 2019
- **Venous Thromboembolism: A Case Based Review**: August 6, 2018
- **Mechanical Ventilation 2**: November 13, 2017
- **Management of the Critically Ill patient around Intubation**: June 5, 2017
- **Delirium in the Intensive Care Unit**: November 2, 2015
- **Pleural Diseases: A Whirlwind Tour**: March 17, 2014

*Invited Speaker Presentations*

- “Update in Management of Venous Thromboembolic Disease”
  - Grand Rounds, Icahn School of Medicine at Mount Sinai, New York, NY July 21 2023
- Cases from the County
  - University of Wisconsin, Madison WI, December 10, 2018

- “Ultrasound Assessment of the Right Ventricle and Deep Vein Thrombosis Assessment”
  - Midwest Hospital Medicine Point of Care Ultrasound Precourse, 14<sup>th</sup> Annual Hospital Medicine Conference Northwestern Memorial Hospital, Chicago, IL, October 17, 2018.
- What I have “Seen” So Far : Ultrasound Cases From the County
  - University of Nebraska Medical Center, Omaha, NE, Mar 22, 2016
- Critical Care Ultrasound : Year 3
  - Faculty and Fellows at UIC, Chicago, March 19, 2015
- Critical Care Ultrasound : Year 2
  - Faculty and Fellows at UIC, Chicago, November 25, 2013
- Asthma and COPD : A Practice Based Update
  - Grand Rounds St Anthonys Hospital Chicago May 16, 2013
- Critical Care Ultrasound: A Primer
  - Faculty and Fellows at UIC December 12, 2012

*Presentations to the Pulmonary Critical Care and Sleep Faculty, University of Illinois at Chicago:*

- **Ultrasound and Echocardiographic Assessment of Hemodynamics and Shock in the Intensive Care Unit:** April 19 2012
- **Management of Burns and Electrical Trauma:** January 24, 2011
- **The Intensive Care Management of the Patient Undergoing Coronary Artery Bypass Graft Surgery:** December 12, 2010
- **Biomarkers in Sepsis: State of the Art:** April 29, 2010.
- **Adrenal Insufficiency:** November 9, 2009

*Other Significant Presentations*

“**Ultrasound in Critical Care, A Case Based Review**” : Grand Rounds presented to the Faculty and Housestaff of John H Stroger Hospital of Cook County/ Rush Medical College, October 14, 2016

“**The Clinical Utility of Daily B-Type Natriuretic Peptide Testing in Acute Decompensated Heart Failure**” : Research Methodology Conference, Weill Cornell Medical College, April 11, 2008:

“**Diagnostic Strategies in Venous Thromboembolism: An Update**”: Grand Rounds presented to the Faculty and Housestaff at SUNY Downstate, October 5, 2006

“**Writing Progress Notes: Billing Coding and Documentation Basics**” Recurring lectures to housestaff to introduce Medicare documentation guidelines and how to write progress notes.

### **Teaching Activities**



Teaching Faculty Rising Fellows American Thoracic Society Meeting: Pulmonary Function Testing, Cardiac Ultrasound in Shock, San Francisco, California, May 2022

Teaching Faculty Rising Fellows American Thoracic Society Meeting: Airway Management, May 2021 (Online)

Key Faculty for annual bronchoscopy simulation sessions : Management of Massive Hemoptysis , Foreign Body Retrieval during Bronchoscopy and EBUS training. Assisted with simulation sessions and provided feedback to fellows using realistic models and 3-D printed airways (Rocky Mountain Regional Veterans Affairs Medical Center: 2021-present)

Lead Faculty for development of Medical School Year 1 Curriculum for Benign and Malignant Pleural Diseases and Pericardial Diseases (“Trek Plains Curriculum”) (University of Colorado Medical School: 2021-present): Development of in person session and pre-work videos

Fellows Education Hour: coordinate presentations for weekly didactic sessions for Fellows at Rocky Mountain Regional Veterans Affairs Medical Center by faculty from National Jewish, University of Colorado Medical Center and RMR (2021- present)

Key faculty for annual Ultrasound School of Medicine Transition to Residency Basecamp (Internal Medicine Cohort) : 2021 - present

Director of Critical Care Point of Care Ultrasound (Rocky Mountain Regional Veterans Affairs Medical Center, Denver, CO October 2019 – present)

Curriculum development and implementation for Critical Care Ultrasound sessions Implemented basic to advanced echo review for 1<sup>st</sup> year fellows and review advanced echo with special attention to the right ventricle for third year fellows (Rocky Mountain Regional Veterans Affairs Medical Center : 2019-present)

Key Faculty for annual Advanced Bronchoscopy Simulation Sessions for Pulmonary and Critical Care Fellows: Assisted with simulation sessions for endobronchial ultrasound and provided feedback to fellows (Rocky Mountain Regional Veterans Affairs Medical Center : 2019-present).

Lead Ultrasound Faculty for annual Procedures/Echocardiography Education Day University of Colorado Pulmonary and Critical Care Fellowship Program (St Josephs Hospital/National Jewish Simulation Lab) (2019-present)

Lead Faculty for Pigtail Insertion Simulation Session (Sponsored by Cook Medical) (Rocky Mountain Regional Veterans Affairs Medical Center : 12/1/2019): Guided realistic simulation sessions using models for pneumothorax and pleural effusion drainage using the Wayne Pneumothorax Kit.

Director of Critical Care Ultrasound Education and Research, John H Stroger Hospital, Chicago, IL (August 2018 – October 2019)

Midwest Hospital Medicine Point of Care Ultrasound (POCUS) Course, Faculty for Hands on Ultrasound Evaluation of Standardized Patients, Northwestern Medical Center, 2018

Key Ultrasound Faculty Rush Medical Student Sono-Anatomy Course. Rush University Medical Center 2013-2014

- Chest Ultrasonography including basic Echocardiography (December 2013)

- Abdominal Ultrasonography including visceral ultrasound (March 2014)
- Head and Neck Ultrasonography (April 2014)

Lead Ultrasound Faculty for cadaver based Fellows ultrasound procedures training course Rush University Medical Center 3/28/2014

- Central Line Placement
- Glidescope Assisted and Bougie Assisted Intubation
- Cricothyrotomy
- Surgical chest tube and pigtail catheter placement
- Intraosseous device placement

Lead Ultrasound Faculty for Coronary Care Unit and Medical Intensive Care Unit bedside ultrasound teaching sessions for Emergency Medicine Ultrasound Fellows (2014-2017)

Lead Ultrasound Faculty for Introductory Ultrasound Course for Incoming Pulmonary and Critical Care Fellows (John H Stroger Hospital, Chicago, IL) (2014- 2019)

Ultrasound Faculty Image review and Literature Review Department of Emergency Medicine Weekly sessions with image review on Qpath with Emergency Medicine Ultrasound Fellowship Program Director, ED Ultrasound Fellows and rotating Residents/Medical Students. (John H Stroger Hospital of Cook County, Chicago, IL) (2017-2019)

### **Clinical Responsibilities**

#### ***University of Colorado, Anschutz Medical Center***

Attending Physician Medical Intensive Care Unit 6-8 weeks per year (2019-present)

#### ***Rocky Mountain Regional Veterans Affairs Medical Center***

Attending Physician Pulmonary Consults and Medical ICU Service, 6-8 weeks per year (2019- present)

Attending Physician Surgical Intensive Care Unit 6-8 weeks per year (2019-present)

Weekly Pulmonary Medicine Clinic (2019- present)

#### ***John H Stroger Hospital of Cook County***

Attending Physician Pulmonary Consult Service, 2-3 months per year (2012-2019)

Attending Physician Medical Intensive Care Unit 2-3 months per year (2012-2019)

Twice Weekly Pulmonary Medicine Clinic (2014-2019)

Weekly Tuberculosis Clinic (2012-2014)

Attending Physician, Critical Care Consult Service, 2 months / year (2012-2019)

Physiology and Pulmonary Function Testing supervising Faculty for Fellowship Program, 2 months per year (2012-Monthly)

***University of Illinois/Carle Clinic, Urbana, IL***

Attending Physician, Medical Intensive Care Unit, 1 weekend every 6-8 weeks, (2016-2019).

**Editorial / Academic Meeting Activities**

**Reviewer**

Contributor, Practical Reviews in Critical Care Medicine

-Narrated and written monthly reviews of key literature in critical care 2020-2021

Associate Editor, Critical Care Alerts (A Relias Media Publication) 2019-present

-Monthly reviews and annual updates for Continuing Medical Education for Critical Care Literature published in major national and international medical journals.

Associate Editor Ultrasound Cases (“Ultrasound Reflections”) Annals of the American Thoracic Society, 2015-Present.

Reviewer for CHEST 2019 - present

Reviewer for Annals of the American Thoracic Society, 2017-Present

-Top reviewer award (2019)

Facilitator Poster Sessions American Thoracic Society meetings 2016 (San Francisco, CA) and 2018 (San Diego, CA).

**Mentoring**

2014 Venkat Rajasurya Pulmonary Critical Care Fellow

Project : Assessment of Diaphragm function in dyspneic patients, oral invited presentation at CHEST 2016

2015 Boney Ninan Pulmonary Critical Care Fellow

Project : Ultrasound Assessment of Hemodynamics, abstract presented at ATS 2016

2016 Deepthi Gudivada MD Research Assistant

Project : Assessment of Gastric Volume with Ultrasound, abstract presented at SCCM 2016, publication in ASPEN 4/2017

2017- 2018 Heyi Li, Internal Medicine Resident, MS Candidate Rush University Medical Center (Currently: Fellow, Mayo Clinic, Rochester, MN)

Project : A Retrospective Assessment of Pleural Effusion and outcomes in the Critically Ill, abstract presented at ATS meeting San Diego, CA 2018

2017- 2018 Jesus Rodriguez, Internal Medicine Resident (Currently : Fellow, Medical College of Wisconsin, Milwaukee, WI)

Projects : A Retrospective Assessment of Pleural Effusion and outcomes in the Critically Ill, Pet Groomer Lung. Abstracts presented at ATS meeting San Diego, CA 2018

2016-2017 Chan Pu Yeu MD , MS Candidate , Rush University Medical Center (Currently: Fellow, State University of New York, Buffalo)

Project : Pet Groomers Lung, A Retrospective Assessment of Pleural Effusion and outcomes in the Critically Ill

Multiple abstracts presented at ATS 2018, Case report published in American Journal of Industrial Medicine

2017 Martin Watanabe BS Universidad Peruana Cayetano Heredia, Lima, Peru

Project : A Retrospective Assessment of Pleural Effusion and outcomes in the Critically Ill

2018-2019 Priyal Shah BS

Project : Outcomes of Pericardial Tamponade diagnosed in the Critically Ill

2019-2020 Avantika Nathani MD (Currently : Fellow , Cleveland Clinic, Cleveland, Ohio)

Project : Capillary refill time does not predict Acute Kidney Injury

### **Licensure**

Board Certified Internal Medicine, since 1999, recertified 2011

Board Certified in Pulmonary Medicine (2011-2021), recertified 2021

Board Certified in Critical Care Medicine (2012-2022), recertified 2022

MD conferral, State of New York, October 23, 2007

Active licenses in Illinois (2009), Florida (2005), Texas (2000) , California (2018), Colorado (2018).

### **Competency**

Testamur, American Society of Echocardiography, Critical Care Echocardiography (2022), Board Certification in Progress

Fundamental Critical Care Support Associate Instructor

ACCP Certificate of Completion in Critical Care Ultrasound (12/1/2012)

Supervision and performance of all major intensive care and pulmonary procedures including the following:

- Endobronchial Ultrasound guided aspiration and biopsy of hilar /mediastinal lymphadenopathy, mediastinal and pulmonary mass lesions.
- Flexible bronchoscopy, bronchoalveolar lavage endobronchial and transbronchial biopsies
- PleurX catheter placement
- Pigtail catheter placement (small and large bore, ultrasound directed)
- Fiberoptic Intubations
- Endotracheal intubation : Glidescope assisted, traditional and Awake Fiberoptic Intubation
- Central Line (Subclavian, Axillary and Internal Jugular) and Dialysis Catheter placement (Ultrasound guided)
- Thoracentesis and chest tube placement (Ultrasound guided)
- Paracentesis (Ultrasound guided)
- Right heart catheterization (intensive care unit based)

- Fine Needle Aspiration of Lymph Nodes (Ultrasound guided)
- Pleural biopsy, ultrasound guided
- Transthoracic ultrasound guided needle biopsy of pleural based masses.

### **Professional Memberships**

Society of Critical Care Medicine, since 2009  
American College of Chest Physicians, since 2009  
American Thoracic Society, since 2009

### **Professional Skills**

Basic familiarity with statistical analysis using JMP (Statistical Software based on the SAS platform) and SPSS.  
Intermediate level skills with Microsoft Access database development and management  
Native fluency in English, Hindi, Punjabi, basic medical Spanish

### **Miscellaneous Teaching / Other Activities**

I have taught intermediate level Salsa /Mambo and Cha Cha classes and have performed with the University of Chicago Ballroom and Latin Dance Association Salsa dance teams. I also have taught basic and intermediate level Salsa classes at Northwestern University in Chicago.

I hosted a monthly Salsa social in Hyde Park, Chicago (“Salsa at the Promontory”) where I taught classes and hosted performances by dance teams drawn from major dance studios in Chicago

Poetry writing and reading

### **References**

Provided on request