**CURRICULUM VITAE**

**Dr. SACHIN KUMAR: MD, DM (Pulmonary & Critical care Medicine), FCCP (USA)**

 **European Diplomate in Adult respiratory Medicine**

**PERSONAL INFORMATION**

**Date of Birth**: 05/01/1980

**Address:**

 C-15, Delhi Government Residential complex, D-II Pocket, Vasant Kunj, New Delhi: 110070, India

**E-mail address:** sachin.drk@gmail.com **Mobile:** +919999689416

**EDUCATION/POST GRADUATE TRAINING**

**Medical Graduation:**  **M.B; B.S**

**Medical School: Seth G.S.Medical College and KEM Hospital,**

 **Mumbai** (University of Mumbai), India,( 1997 –

 2003).

**Post Graduate Training/Residency: MD(General Medicine)**

**Maulana Azad Medical College, New Delhi**

(University of Delhi), India, (2003 – 2006)

**Fellowship/Subspeciality Training: DM (Pulmonary & Critical care Medicine)**

 **PGIMER, Chandigarh,** India (2008 –2010)

**International Fellowship:**

* **FCCP: Fellow of College of Chest Physician: USA 2011**
* **European Diploma in Adult Respiratory Medicine: Vienna 2012**
* **Pulmonary Hypertension & Pulmonary Vascular disease: CHUV, Lausanne,**

 **Switzerland 2014**

**EXPERTISE**

**Pulmonary Medicine**

**Critical care Medicine**

**Internal Medicine**

**Sleep medicine**

**MEDICAL LICENSURE**

Delhi Medical Council: 2004: DMC/24861

**CERTIFICATION**

* Recognized by **Medical Council of India (MCI)** for 3 year subspecialty DM training in Pulmonary & Critical Care Medicine
* Recognized by **Medical Council of India (MCI)** for 3 year specialty MD training in General Medicine
* **FCCP** : Elected as fellow of college of Chest physician, USA in Dec 2011
* **European Diploma in Adult Respiratory Medicine: 2012**

**PRESENT POSITION**

**Associate Professor: FACULTY IN CHARGE:** Pulmonary Medicine

, **Institute of Liver & Biliary Sciences (ILBS), Vasant Kunj, New Delhi**: July 2014-till date

**PREVIOUS PROFESSIONAL POSITIONS AND APPOINTMENTS**

* **Assistant Professor:** Pulmonary Medicine, **Institute of Liver & Biliary Sciences (ILBS), Vasant Kunj, New Delhi**, India: April 2011-July 2014
* **Associate Consultant (Pulmonary & critical care ): Artemis Health Institute, Gurgoan: Jan 2011- April 2011**
* **DM fellow**: 2008-2010: Department of Pulmonary Medicine, **PGIMER, Chandigarh**, .
* **Senior Resident**: 2006-2008, Department of Medicine, **Maulana Azad Medical College and associated LNH hospital, New Delhi**.
* **MD resident**: 2003-2006, Department of Medicine, **Maulana Azad Medical College and associated LNH hospital, New Delhi.**

**HONORS AND AWARDS**

* Certified for level 1 ultrasound in critical care **(WINFOCUS- 2010)** by **Dr. Luca Neri, Italy**
* **FCCP** : Elected as fellow of college of Chest physician, USA in Dec 2011
* **Basic Life Support (BLS)** and **Advanced Cardiac Life Support (ACLS)** certification by **American Heart Association (AHA).**
* **Distinctions (honors)** in Biochemistry, Microbiology, Pharmacology, Preventive and

Social Medicine.

* **All India Rank 04** at All India Post Graduate Medical Entrance Examination 2003

Conducted by AIIMS, New Delhi, India

* **All India Rank 05** at Combined Medical Services (CMS) 2003 conducted by UPSC (Govt. of India)

**Experience**

Over 9 years experience in Pulmonary, critical care and Sleep medicine. The Department of Pulmonary Medicine at ILBS offers comprehensive consultation, diagnostic evaluation and clinical management for a full spectrum of pulmonary, critical care and sleep disorders.

Critical care

* Well versed and expertise in handling of critically ill patients with ARDS, Sepsis, Septic shock
* Expertise in Non invasive/invasive mechanical ventilation including newer modes, weaning protocols
* Expertise in bedside Critical care ultrasonography, invasive procedures, bronchoscopy
* Expertise in organ transplant critical care ( 200 liver and 40 kidney transplants)
* Faculty in PDCC critical care medicine and DM organ transplant anaesthesia and critical care

[Interventional Pulmonology](http://jaypeehealthcare.com/institutes-and-departments/pulmonary-critical-care-sleep-medicine/overview/#accordion_item_2)

* **EBUS (Endobronchial Ultrasound) for assessing central airway & Mediastinal diseases**
* **Medical Thoracoscopy (Pleuroscopy) for pleural diseases**
	+ Diagnostic
	+ Pleural Biopsy
	+ Pleurodesis
	+ Adhesiolysis
* **Flexible Video-Bronchoscopy**
	+ Broncho-alveolar lavage (BAL)
	+ Bronchial brushings
	+ Endobronchial Biopsy
	+ Transbronchial lung biopsy (TBLB)
	+ Transbronchial needle aspiration (TBNA)
	+ NIV Bronchoscopy in hypoxemic patients
	+ Bronchoscopy in ICU patients
* **Rigid Bronchoscopy and Advanced Interventional Pulmonology**
	+ Foreign body removal
	+ Dilatation of tracheal strictures
	+ Balloon bronchoplasty
	+ Airway Stenting
	+ Electrocautery
	+ Whole lung lavage
* **Percutaneous Tracheostomy**
* **USG/CT scan guided interventional thoracic procedures**

[Pulmonary Function Laboratory](http://jaypeehealthcare.com/institutes-and-departments/pulmonary-critical-care-sleep-medicine/overview/#accordion_item_3)

* **Cardiopulmonary Exercise testing: Expertise in CPET for transplant/lung resection/cardiac transplant**
* Spirometry
* Diffusion Capacity of lung (DLCO)
* Lung Volumes by Body Plethysmography
* Six minute walk test
* Pre & post-exercise Oxymetry
* Pulmonary Rehabilitation

[Imaging in Pulmonology](http://jaypeehealthcare.com/institutes-and-departments/pulmonary-critical-care-sleep-medicine/overview/#accordion_item_4)

* Lung Ultrasound
* Screening Echo-cardiography
* Ultrasound guided interventions

Sleep Disorders

Patients of Chronic Insomnia, Snoring, Sleep Apnea and Sleep behaviour disorders need to be subjected to sleep study for proper management.

* Complete Overnight Polysomnography (PSG)
* PSG with CPAP titration
* Split-night Sleep Study
* Multiple Sleep Latency Test (MSLT)

Organ Transplant Experience

* Active involvement of Liver & Kidney Transplant candidate preop and Post op management.
* Faculty for DM (organ transplant Anesthesia & critical care)
* Faculty for PDCC (Critical care medicine)

**PROFESSIONAL AND SOCIETY MEMBERSHIPS**

* National college of chest physician (NCCP), India
* European respiratory society
* American College of Chest Physician

**EDITORIAL ACTIVITIES**

**Scientific Reviewer:** Respiratory Care, Lung India, Journal of Post Graduate Medicine. Journal of family medicine & primary care

**Managerial and Administrative Roles**

* 1. Faculty in Charge and Head: D**e**partment of Pulmonary Medicine
	2. Member: Hospital infection control Committee
	3. Member: Brain death certification committee
	4. Member: Organ Transplant board
	5. Member: Hospital drug therapeutics and consumables procurement committee
	6. Member: Technical evaluation committe

**RESEARCH EXPERIENCE**

**Principal Investigator:**

1. To study thyroid function tests in pregnancy : 2006 : Maulana Azad Medical college,

 New Delhi.

1. To study the role of interferon gamma release assay in blood in the diagnosis of sarcoidosis. 2009: PGIMER,Chandigarh

**Co-PI( Project at ILBS)**

* 1. Cardiopulmonary Exercise testing as as assessment tool for the prediction of post operative outcome after major abdominal surgery.

**Co Supervisor (DM & Mch Thesis: at ILBS)**

* 1. Study of Efficacy and Safety of Modified Anti-tubercular Regimens in Treatment of Tuberculosis in Patients with underlying chronic liver disease.
	2. To Study The Efficacy Of Combination Of Pentoxifylline And Rifaximin In Pentoxifylline Refractory Clinical And Subclinical Hepatopulmonary Syndrome.
	3. Role of Cardiopulmonary exercise testing in predicting early post transplant course and outcome in living donor liver transplantation – A pilot study.
	4. A prospective open label randomized noninferiority trial to compare the efficacy and safety of monotherapy with noradrenaline and terlipressin in patients of cirrhosis with septic shock admitted to Intensive care unit.

**PUBLICATIONS**

1. Kumar S, Aggarwal R, Aggarwal AN,Gupta D, Jindal SK Role of ultrasonography in the diagnosis and management of pneumothorax following transbronchial lung biopsy**. J Bronchology Interv Pulmonol. 2015 Jan;22(1):14-9. doi:10.1097/LBR.0000000000000125.**
2. [Patidar](https://www.researchgate.net/researcher/76402938_Yashwant_Patidar) Y, Kumar S. [An Unusual Cause of Refractory Hypoxemia in Cirrhosis.](https://www.researchgate.net/publication/266973612_An_Unusual_Cause_of_Refractory_Hypoxemia_in_Cirrhosis?ev=prf_pub) **Respiratory care 10/2014; DOI: 10.4187/respcare.03529**
3. Kumar S,Chandra S Ultrasound Assessment of the Diaphragm in Patients With COPD. **Chest 10/2014; 146(4):e146. DOI: 10.1378/chest.14-1095**
4. Kumar S. Plight. **Intensive care Medicine. 2014 Aug 15. [Epub ahead of print]**
5. Shweta K, Kumar S. Patient safety and prevention of unexpected events occurring during the intra‑hospital transport of critically ill ICU patients. **Indian J Crit care Med Sep 2014; 18(9): 636**
6. Naveen Kumar, Chandan Kumar Kedarishetty, Sachin Kumar, Vikas Khillan, Shiv Kumar Sarin.Antitubercular therapy in patients with cirrhosis: Challenges and options. ***World J Gastroenterol 2014 May 21; 20(19): 5760-5772 ISSN 1007-9327 (print) ISSN 2219-2840 (online)***
7. Kumar S,Chandra S. Simple Cause for a “Complex” Problem. **Chest 2014; vol:145, iss:6:*1437***
8. Kumar S,Chandra S. A “ROSE” in every “BUS” keeps TBLB away. **Chest. 09/2014; 146(3):e97. DOI: 10.1378/chest.14-0341.**
9. Kumar S,Kumar R.Hepatic hydrothorax: the shower within.[**J Bronchology Interv Pulmonol.**](http://www.ncbi.nlm.nih.gov/pubmed/24419195)**2014 Jan;21(1):88-9. doi: 10.1097/LBR.0000000000000030**
10. Bal C, Bhatia V, Kumar S, Saini D, Khillan V, Gupta E, et al. Influenza A/H1/N1/09 infection in patients with cirrhosis has a poor outcome: A case series. **Indian J Gastroenterol. 2014 2014/01/29:1-5.**
11. Kumar S,Lata S,Patidar Y.Pleuropericardial effusion: A diagnostic conundrum. [**Thorax.**](http://www.ncbi.nlm.nih.gov/pubmed/?term=pleuropericardial+effusion+%2B+sachin+kumar) **2013 Aug 6. doi: 10.1136/thoraxjnl-2013-203954**
12. Kumar R, Kumar S, Lata S. Albumin infusion may deleteriously promote extracellular fluid overload without improving circulating hypovolemia in patients of advanced cirrhosis with diabetes mellitus and sepsis. **Med Hypotheses. 2013 Apr;80(4):452-5.**
13. Kumar S, Sarin SK. Paradigms in management of hepatic hydrothorax: Past, present & future. **Hepatology International 2013: DOI: 10.1007/s12072-012-9398-8)**
14. Kumar S, Arora A, Bhatia V. Hepatopulmonary syndrome: a clinico-radiological diagnosis. **Indian J Gastroenterol. 2013 May;32(3):209-210. Epub 2013 Feb 22**
15. Shweta K, Kumar S, Gupta AK, Jindal SK, Kumar A. Economic analysis of costs associated with a Respiratory Intensive Care Unit in a tertiary care teaching hospital in Northern India. **Indian J Crit Care Med 2013;17:76-81**
16. Kumar S, Sharma M, Kumar R, Sarin SK. "To study pulmonary hemodynamics and the prevalence of porto pulmonary hypertension (POPH) in cirrhotic patients": **Eur Respir J 2012; 40: Suppl. 56.270s:P1511**
17. Kumar S, Gupta D, Aggarwal R, Jindal SK."The role of transthoracic ultrasound (TTS) in the diagnosis and management of post transbronchial lung biopsy (TBLB) pnemothorax (PTX)" **. Eur Respir J 2012; 40: Suppl. 56. 27s:P292**
18. Kumari S, Kumar S, Gupta AK, Kumar A, Jindal SK. Economic analysis of costs associated with a Respiratory Intensive Care Unit (RICU) in a tertiary care teaching hospital in northern India**. ERS Eur Respir J 2012; 40: Suppl. 56. 238s:P1304**
19. Gupta D, Kumar S, Aggarwal AN, Verma I, Agarwal R. Interferon Gamma Release Assay (QuantiFERON-TB Gold in Tube) in patients of Sarcoidosis from a population with high prevalence of tuberculosis infection. **Sarcoidosis Vasc Dif Lung Dis 2011; 28: 95-101**
20. S Kumar, D Gupta, I Verma, et al. Role of Interferon gamma release assay (QuantiFERON -TB Gold In Tube) in blood in the diagnostic work up of active tuberculosis in a high TB prevalence region.***Thorax* 2011 66: A71-A72**
21. Kumar S, Sharma P, Kumar A,Bhatia V,Sharma M,Sarin SK. To determine the prevalence of pulmonary artery hypertension (PAH) and portopulmonary hypertension (PPHT) in cirrhotic patients**. Journal of Gastroenterology and Hepatology** [**Volume 26, Issue Supplement s5,**](http://onlinelibrary.wiley.com/doi/10.1111/jgh.2011.26.issue-s5/issuetoc) **pages 1–15, October 2011**.
22. Sachin kumar, Ritesh Agarwal. Lung Transplantation. **Textbook of Pulmonary and Critical Care Medicine. Jaypee Brothers Medical Publishers Pvt.Ltd.2010**
23. Dheeraj Gupta, Sachin Kumar, Indu Verma, and Ritesh Agarwal. Interferon Gamma Release Assay (IGRA) in Sarcoidosis Patients from A High Tuberculosis (TB) Prevalence Country. **Am. J. Respir. Crit. Care Med., May 2010; 181: A2366**
24. Kumar S, Gupta D. Asthma and gastroesophageal reflux: End of the blame game. **Lung India. 2009 Oct;26(4):100-1**
25. Kumar S, Singh N.P, Garg S, Gulati S. Type 2 Diabetes with multiple Cranial nerve palsies: An unusual presentation. **Singapore Med J 2006; 47(8):631-633**
26. Gulati S, Gupta N,Singh N.P, Garg S, Kumar S. Chyluria with proteinuria or filarial nephropathy? An enigma. **Parasitology International 56 (2007) 251-254**
27. Jhamb R,Beniwal P, Mishra D, Gupta N, Kumar S. Diffuse lymphomatous infiltration of the Kidney presenting as renal tubular acidosis and hypokalemic paralysis. **Croat Med J. 2007;48:860-3**
28. Kumar S, Gupta N, Jhamb R, Mishra D. Celiac disease: Association with adult-onsetStill's Disease: Apropos of a clinical case. **Indian J Med Sci. 2007 Jul; 61(7):414-7**.
29. Manish Kumar, NP Singh, HS Hira, R Dewan, Sachin Kumar, SS Rathore. Prevalence of sleep disorder in chronic kidney Disease patients on hemodialysis and the effect of Quality of sleep on health related quality of life. **Indian Journal of Nephrology. 147. Jul 2007 / Vol 17 / Issue 3**
30. Kumar S, Singh NP. Stem cells: A new paradigm. **Indian J Hum Genet 2006; 12:4-10.(Voted 2nd best article of the journal - www.ijhg.com. statistics)**
31. Kumar S, Gupta N, Singh N.P, Garg S,Walson S.Multiple Splenic Infarcts in a Patient of Dilated Cardiomyopathy:An Unusual Aetiology. **JIACM 2006; 7(3): 239-42**
32. Kumar S, Gupta N, Singh N.P, Garg S, Gulati S. Migrainous Stroke in a Young Patient associated with Protein S Deficiency. **JIACM 2006; 7(2): 156-58**
33. Pankaj Beniwal, Sachin Kumar, Sameer Gulati, Sandeep Garg. Acalculous Cholecystitis in Dengue Fever. **Indian Journal for the Practising Doctor.Vol. 3, No. 4 (2006-08 - 2006-09)**
34. Sachin K. Evaluation and management of rheumatologic emergencies in ICU. **Pulmonary and critical Care bulletin. Vol. XIV, No. 2, April 2008.**
35. Sachin K. Targeted therapy in asthma .**Pulmonary and critical Care bulletin.vol. XV, No. 1, January 2009.**
36. Sachin K. Impact of Tuberculosis on Women’s Reproductive Health. **AOGD Bulletin.Vol12, Issue 3, July 2012.**

**SCIENTIFIC PRESENTATIONS AND ABSTRACTS PUBLISHED NATIONAL AND INTERNATIONAL LEVEL**

* Gupta N, **Kumar S,**Garg V, Gulati S,Jhamb R. Invasive Aspergillosis in an immunocompetent host.**6th Joint annual conference of Indian society of communicable diseases(ISMOCD)& Indian Association of epidemiologists(IAE).Feb 2006**
* Gupta N, **Kumar S,**Garg V, Gulati S,Jhamb R. Tropical pulmonary eosinophilia.**6th Joint annual conference of Indian society of communicable diseases( ISMOCD) & Indian Association of epidemiologists(IAE).Feb 2006**
* Gupta N, **Kumar S,**Garg V, Gulati S,Jhamb R. Invasive Aspergillosis in an immunocompetent host.**6th Joint annual conference of Indian society of communicable diseases(ISMOCD)& Indian Association of epidemiologists(IAE).Feb 2006**
* Gupta N, **Kumar S,** Gulati S. Chest wall mass – An unusual cause. **XVI Annual Conference.Delhi society of Haematology.September 2005.**
* **Kumar S**,Gupta N. Type 2 Diabetes with multiple cranial nerve palsies: An Unusual

 presentation. **Indo – US Emergency Medicine Summit. AIIMS Oct. 2005.**

* **Kumar S**,Gupta N.Haemoptysis : A common presentation with an uncommon cause – CPC presentation. **Indo – US Emergency Medicine Summit. AIIMS Oct. 2005**
* Gupta N, **Kumar S**.Hepatitis B and Non – Hodgkin’s lymphoma: A therapeutic Dilemma.**XVI Annual Conference.Delhi society of Haematology. September 2005.**
* Gupta N, **Kumar S**. Skin relapse in Non Hodgkin’s lymphoma on chemotherapy: An atypical presentation. **XVI Annual Conference. Delhi society of Haematology. September 2005.**
* **Kumar S,** Gulati S, Gupta N, Issues in treatment of Hepatitis B and Non Hodgkin’s lymphoma. **XVI Annual CME, Association Of Physicians of India. Delhi state chapter. Oct. 2005.**
* Gupta N, **Kumar S,** Gulati S. Chyluria with proteinuria – An enigma.. **XVI Annual CME,Association Of Physicians of India. Delhi state chapter. Oct. 2005.**
* Gupta N, **Kumar S,**Garg V, Gulati S. Chest wass mass – An unusual cause. **XVI Annual CME, Association Of Physicians of India. Delhi state chapter. Oct. 2005.**

**REFRENCES**

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