

DR. AYUSH GOEL

Consultant - Interventional Pulmonologist

Qualification

MBBS (AIIMS New Delhi) | MD (Medicine, AIIMS New Delhi) | DM (Pulmonary Critical Care and Sleep Medicine, AIIMS New Delhi) | MRCP-UK SCE (Respiratory Medicine) | EDRM (Switzerland)

Overview

Dr. Ayush Goel is a highly qualified Interventional Pulmonologist consultant specialising in Respiratory and Sleep Medicine. He is known for his wealth of knowledge, clinical precision and top-notch patient care. He began his medical journey with brilliance and excellence by securing the All India Rank 1 in NEET-UG. He completed his MBBS degree from AIIMS New Delhi as a gold medallist. He then pursued an MD in Internal Medicine at AIIMS New Delhi, further honing his diagnostic and therapeutic acumen. He topped the AIIMS-DM entrance examination (AIR 1) and then pursued DM in Pulmonary, Critical Care and Sleep Medicine at AIIMS New Delhi. To further hone his expertise, Dr. Goel obtained prestigious international credentials, including the MRCP (UK) Specialty Certificate Examination in Respiratory Medicine and the European Diploma in Respiratory Medicine (EDRM) from Switzerland. This reflects his dedication to continuous learning and a global perspective. Dr. Goel’s expertise spans a wide range of respiratory disorders, with a special focus on advanced bronchoscopic procedures including Rigid Bronchoscopy, Endobronchial Ultrasound

(EBUS), Airway Stenting, Flexible Bronchoscopy, and Medical Thoracoscopy. He is also skilled in the management of complex conditions such as interstitial lung diseases (ILDs), sarcoidosis, asthma, obstructive sleep apnoea (OSA), lung cancer, tuberculosis, and post-TB lung disease. Additionally, Dr. Goel excels in lung cancer screening and diagnosis, pleural diseases, and the management of pneumonia and respiratory failure. Beyond his clinical practice, Dr. Goel is deeply involved in academic medicine. He has presented original research at prestigious global conferences and has authored multiple peer-reviewed publications and book chapters in the field of pulmonology. As a dedicated mentor, he actively supports postgraduate students preparing for super-speciality exams, reinforcing his role as a thought leader in his field. Dr. Goel believes in a patient-centric approach rooted in evidence-based care, clear communication, and shared decision-making. He is the best Lung Specialist in Dhakuria, Kolkata. Dr. Goel currently practises at the Pulmonology (Respiratory and Sleep Medicine) Department at Manipal Hospitals, Dhakuria, where he ensures that patients and their families are informed, supported, and involved throughout the treatment journey. He encourages personalised attention, whether performing a complex airway intervention, managing progressive ILD, or counselling a patient on CPAP Therapy.

Fellowship & Membership

- Member of the European Respiratory Society (ERS)
- Member of the Indian Chest Society (ICS)

Field of Expertise

- Specialises in the diagnosis and management of a wide range of respiratory and sleep-related conditions, including both

acute and chronic pulmonary diseases.

- Expert in Interventional Pulmonology, performing advanced procedures such as Rigid Bronchoscopy, Airway Stenting, and Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration (EBUS-TBNA) for accurate diagnosis and minimally invasive treatment.
- Skilled in diagnostic and therapeutic Bronchoscopy, including Flexible Bronchoscopy, Medical Thoracoscopy, and Lung Cryobiopsy, enabling precise evaluation of diffuse lung diseases.
- Focuses on early detection and management of lung cancer, with special expertise in low-dose CT screening and bronchoscopic diagnosis of central and peripheral lung lesions.
- Experienced in treating complex interstitial lung diseases (ILDs) and sarcoidosis, offering personalised, multidisciplinary care plans.
- Proficient in the management of tuberculosis and its long-term complications, such as post-TB lung damage, integrating pharmacologic and supportive therapies.
- Specialist in sleep-related breathing disorders, particularly obstructive sleep apnoea (OSA), offering diagnostic sleep studies and CPAP/BiPAP therapy guidance.
- Adept in comprehensive asthma management, from diagnosis to stepwise therapy and biologic treatments for severe asthma.
- Manages pleural diseases such as pleural effusions and empyema, utilising thoracoscopic and image-guided interventions.
- Treats a broad spectrum of lower respiratory tract infections, including community-acquired pneumonia, and provides critical care for respiratory failure in both hospital and ICU settings.

Languages Spoken

- English
- Hindi
- Bengali

Awards & Achievements

- Secured All India Rank 1 in National Eligibility cum Entrance Test for Undergraduate (NEET UG), 2013
- Gold Medalist in Bachelor of Medicine and Bachelor of Surgery (MBBS), All India Institute of Medical Sciences (AIIMS), New Delhi, 2018
- Best Oral Paper Presentation on histopathology findings of post-mortem COVID-19 patients at CRITICARE (Annual Congress of the Indian Society of Critical Care Medicine), 2021
- Secured All India Rank 1 in Doctorate of Medicine (DM) Entrance Examination, AIIMS New Delhi, 2021
- Awarded European Respiratory Society (ERS) International Young Scientist Scholarship to present original research at the ERS Congress, Barcelona, 2022
- Recipient of the Indian Chest Society (ICS) Travel Grant for presenting academic work at international conferences
- Top Scorer in DM Pulmonary, Critical Care and Sleep Medicine, AIIMS New Delhi, 2024
- Best Oral Paper Award for original research on lung cancer screening and the diagnostic value of Low-Dose Computed Tomography (LDCT) at the National Lung Cancer Conference (NALCCON), 2024
- Won First Prize in various national-level quiz competitions – Emergency Medicine Quiz (EM-QUIZ), 2018; National Respiratory Quiz (INQUISITO), 2021; and NALCCON, 2024

Talks & Publications

- Publications
- Goel A, Ray A, Chavan A, Sahni S, Wig N. A study on the morbid histopathological changes in COVID-19 patients with or without comorbidities using minimally invasive tissue sampling. J Med Virol. 2023 Jan; 95(1): e28384
- Mohan A, Madan K, Hadda V, Goel A. Guidelines for endobronchial ultrasound-transbronchial needle aspiration (EBUS-TBNA): Joint Indian Chest Society (ICS)/Indian Association for Bronchology (IAB) recommendations. Lung India. 2023 Jul-Aug; 40(4): 368–400
- Arora U, Goel A, Ray A, Vikram NK. Neuroleptic malignant syndrome in a case of extra-pontine myelinolysis: On the horns of dilemma. Drug Discov Ther. 2022 July 20; 16(3): 145–147
- Ray A, Jain D, Goel A, Wig N, Trikha A. Clinico-pathological features in fatal COVID-19 infection: a preliminary experience of a tertiary care center in North India using postmortem minimally invasive tissue sampling. Expert Rev Respir Med. 2021 Oct; 15(10): 1367–1375
- Goel K, Chakraborty A, Goel A. Outcome of patients on prolonged V-V ECMO at a tertiary care center in India. Indian J Crit Care Med. 2023; 27(11): 790–794
- Ray A, Goel A, Wig N. Corticosteroids for treating mild COVID-19: opening the floodgates of therapeutic misadventure. QJM. 2021 Nov 5; 1 14(8): 541–542
- Goel A, Ray A. Steroids in COVID-19: Tailor-made or "one size fits all"? Adv Respir Med. 2022 Jan 27
- Goel A, Ray A. Response to: Corticosteroids for mild COVID-19 treatment: opening the floodgates of therapeutic benefits. QJM. 2022 Oct 25; 115(10): 702–703
- Kutty SV, Shankar SH, Goel A, Sood R, Jain D, Mohan A. SMARCA4-deficient undifferentiated tumours: An emerging

entity in lung cancer. Lung India. 2024 Nov–Dec; 41(6): 476–478
- Swarnkar B, Goel A, Sonai MK, Jadon RS, Khandpur S, Yadav R. Miliary gout: A rare case report from North India. CosmoDerma. 2024; 4:109.
- Conference Presentations
- ERS International Conference, Barcelona, 2022: Spirometry and radiological sequelae in post-pulmonary tuberculosis: A systematic review
- Asian Conference of Lung Cancer, Hong Kong, 2024: Lung cancer screening using LDCT in Northern India
- Conference Abstracts
- Goel A, Ray A, Kirtana J. Spirometry and radiological sequelae in post-pulmonary tuberculosis: A systematic review. Eur Respir J. 2022; 60 (suppl 66)
- Jonnalagadda K, Goel A, Wig N, Dhawan B. Non-utility of catheter tip cultures in the diagnosis of catheter-related bloodstream infections. Open Forum Infect Dis. 2025 Feb; 12(Suppl 1): ofae631.439.
- Jonnalagadda K, Goel A, Biswas A. Candida auris: Colonization, risk factors, and antifungal susceptibility at a tertiary healthcare setting. Open Forum Infect Dis. 2025 Feb; 12(Suppl 1): ofae631.548
- Book Chapters
- Goel A, Shekh I, Shankar SH. Interstitial Lung Disease in Pulmonary Updates (2023–2025)
- Madan K, Goel A, Agarwal R. Analgesia and Sedation in the Intensive Care Unit. in Textbook of Pulmonary and Critical Care Medicine. 3rd ed. Jaypee Brothers Medical Publishers; 2025
- Goel A, Shekh I, Shankar SH. Interstitial Lung Disease in Pulmonary Updates (2021–2023)