C. Gerard Petersen, M.D.

Pulmonary, Critical Care & Sleep Medicine | Advanced Bronchoscopy | Physician Leader
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PROFESSIONAL SUMMARY

Quadruple board-certified pulmonary, critical care, sleep and internal medicine physician with 20+ years of clinical practice at Lehigh Valley Health Network. Former Division Chief and Practice Lead with a track record of leading ICU and thoracic programs, advanced bronchoscopic procedures (robotic, navigational, EBUS), academic teaching, peer-reviewed publication, and expert medical-legal consulting on 90+ cases / 14+ depositions/testimonies.

CORE COMPETENCIES

Pulmonary & Critical Care Medicine • Sleep Medicine • Robotic & Navigational Bronchoscopy • EBUS / Radial EBUS • Bronchoscopic Lung Volume Reduction • ICU Leadership • Lung Cancer Screening & Thoracic Oncology • Quality Assurance • Expert Witness & Independent Medical Review • Medical Education

PROFESSIONAL EXPERIENCE

Attending Physician — LVPG Pulmonary & Critical Care Medicine 2006 – Present
Lehigh Valley Health Network, Allentown, PA

- Chief, Division of Pulmonary Medicine (2020 – 2022); Associate Chief (2017 – 2020)
- Practice Lead, LVPG Pulmonary & Critical Care Medicine (2017 – 2022)
- Medical ICU Director, LVH – Muhlenberg (2012 – 2015)
- Member, Thoracic Multidisciplinary Clinic (2017 – present) and Quality Assurance Committee (2006 – present); Lung Disease Management Team (2017 – 2025)
- Perform advanced diagnostic and therapeutic bronchoscopy including Ion and Monarch robotic platforms, EBUS and Zephyr valve placement

Assistant Professor 2016 – 2025
Morsani College of Medicine, University of South Florida

- Clinical faculty appointment; supervised and mentored residents and fellows in pulmonary and critical care medicine

Attending Physician 2004 – 2006
Bethlehem Pulmonary Associates, Inc. — Pulmonary, Critical Care & Sleep Medicine, Bethlehem, PA

CONSULTING & MEDICAL REVIEW

Petersen Expert Services PLLC — Principal 2021 – Present

- Expert medical consultant to legal firms; 90+ case reviews and 14+ depositions/testimonies

MCMC Services — Independent Review Organization Reviewer 2026 – Present

Breas Medical — Medical Consultant 2023 – 2026

EDUCATION & TRAINING

Fellowship, Pulmonary Disease, Critical Care & Sleep Medicine 2001 – 2004
Temple University Hospital, Philadelphia, PA

Internship & Residency, Internal Medicine 1998 – 2001
Thomas Jefferson University Hospital, Philadelphia, PA

Internship & Residency, Pathology 1996 – 1998
The New York Hospital – Cornell Medical Center, New York, NY

Doctor of Medicine 1992 – 1996
Tufts University School of Medicine, Boston, MA — Honors in Medicine, Surgery, Critical Care, Pathology, Physiology and additional clerkships

Bachelor of Arts, Medical Sciences (Minor: Political Science) 1988 – 1992
Columbia University, New York, NY — Dean's List all four years

BOARD CERTIFICATION & LICENSURE

- Internal Medicine — ABIM (2001; recertified 2011, 2022)
- Pulmonary Disease — ABIM (2003; recertified 2013, 2023)
- Critical Care Medicine — ABIM (2005; recertified 2015, 2025)
- Sleep Medicine — ABSM (2005 – present)
- Pennsylvania Medical License (1998 – present)
- ACLS Certified (1996 – present)

PROCEDURAL & LEADERSHIP TRAINING

- Bronchoscopic Lung Volume Reduction — Zephyr Valve, Pulmonx (2024)
- Robotic Bronchoscopy — Ion, Intuitive (2023); Monarch, Auris Health / Johnson & Johnson (2021)
- Electromagnetic Navigational Bronchoscopy — superDimension, Covidien (2018)
- Endobronchial Ultrasound and Radial EBUS — Olympus (2014, 2015)
- Physician Leadership Academy — Lehigh University (2021)

SELECTED PUBLICATIONS

- Huang J, et al. (incl. Petersen G). Initial patient characteristics of Thoracic Surgical Oncology Group 102: multicenter prospective registry of active surveillance in multiple ground-glass opacities. J Thorac Cardiovasc Surg. 2025;169(4):1100-1107.
- Vojtek A, Soller D, Petersen CG. A new Great Mimicker: Sarcoidosis imitating recurrent metastatic breast cancer. Chest. 2024;166(4):A5613.
- Klele A, et al., Petersen CG. Non-tuberculous mycobacterium infections and pulmonary artery aneurysms in sickle cell disease. Am J Respir Crit Care Med. 2024;209:A6282.
- Friedman E, et al., Petersen CG, Soller D. Outcomes from LVHN's multidisciplinary lung cancer screening program. J Thorac Oncol. 2023;18(11):S461.
- Kahan ES, Petersen G, Gaughan JP, Criner GJ. High incidence of venous thromboembolic events in lung transplant recipients. J Heart Lung Transplant. 2007;26(4):339-44.
- Petersen G, Martin U, Singhal A, Criner GJ. Intralobar sequestration in the middle-aged and elderly adult. J Thorac Cardiovasc Surg. 2003;126(6):2086-90.
- Soslow RA, Petersen CG, Remotti H, Altorki N. Acidic fibroblast growth factor expression in Barrett's esophagus to adenocarcinoma. Dis Esophagus. 2001;14(1):23-7.

SELECTED PRESENTATIONS

- Differential Time from Diagnosis to Treatment of Pulmonary Malignancy — LVHN, 2024
- IPF Interactive Virtual Seminar — Wescoe Foundation for Pulmonary Fibrosis, 2021; Lung Cancer Community Forum — LVHN, 2021
- Abdominal Binding in Weaning a Patient with Large Ventral Hernia — CHEST Annual Meeting, 2003

PROFESSIONAL SERVICE

- Board of Trustees, Greater Lehigh Valley Independent Physicians, Inc. (2007 – 2014)
- Board President, Wescoe Foundation for Pulmonary Fibrosis (2006 – present)
- Board of Directors, Eastern Pennsylvania Down Syndrome Center (2024 – present)