

Katherine Wonneberger Gardner, MD

Board Certified pulmonologist and internist, with expertise in occupational/environmental lung disease, asthma, COPD, pulmonary embolism, pulmonary fibrosis, critical illness, sepsis, pneumonia, anemia/hemorrhage, asbestos, pneumoconiosis, COVID-19. Experienced educator in pulmonary physiology and pathophysiology.

Retained in plaintiff and defense matters involving pulmonary/critical care, hospital medicine, and occupational/environmental exposures.

EDUCATION AND TRAINING

Johns Hopkins University, Pulmonary Fellowship - 2017-2019

Hospital of the University of Pennsylvania, Internal Medicine Residency - 2013-2016

University of Connecticut School of Medicine, Doctor of Medicine - 2009-2013

Villanova University, Bachelor of Science in Biology, summa cum laude – 2005-2009

CURRENT & PRIOR POSITIONS

Assistant Professor of Medicine, University of Maryland, Department of Pulmonary and Critical Care Medicine — 2026 – Present

Attending Physician, Pulmonary and Critical Care Medicine, Baltimore VA Medical Center — 2026 - Present

Independent Practice & Consulting — 2024 – Present

Clinical Assistant Professor of Medicine, University of Georgia SOM — 2025

Pulmonary & Sleep Specialists of Piedmont Walton, Respiratory Medical Director — 2025

Kaiser Permanente Southeast Medical Group, Pool Pulmonologist — 2024

Clinical Assistant Professor of Medicine, Perelman School of Medicine, University of Pennsylvania — 2021–2025

Attending Physician, Pulmonary & Hospital Medicine, VA Medical Center, Philadelphia — 2019–2025

MICU Hospitalist, Presbyterian Medical Center, Philadelphia — 2016–2017

BOARD CERTIFICATION

BC Pulmonary Medicine, 2019

BC Internal Medicine, 2016

LICENSURE AND CERTIFICATION

PENNSYLVANIA STATE MEDICAL LICENSE, 6/11/2015- CURRENT

GEORGIA STATE MEDICAL LICENSE, 5/22/2024- CURRENT

IMLCC ACTIVE STATES: AZ, MD, MS, NV, NH, ND, TX, AL, DE, KY, LA, MT, OK, TN,
WA, WI, IN, FL, NJ, MO, DC

ACLS, CURRENT

TEACHING & ACADEMIC ROLES

Pulmonary Physiology & Pathophysiology Instructor, MS2 Pulmonary Course — Perelman School of Medicine, University of Pennsylvania (2019, 2020, 2022–2023): Led small-group instruction on respiratory physiology, disease mechanisms, and clinical case analysis.

Doctoring Course, Longitudinal Small-Group Facilitator, — UPenn (2020–2022)
Guided medical students in communication skills, reflective practice, and the biopsychosocial approach to patient care.

Genes to Society Curriculum, Pulmonary Physiology & Clinical Management Instructor, — Johns Hopkins School of Medicine (2018): Co-taught respiratory medicine content integrating foundational science and clinical decision-making.

Curriculum Development — Pulmonary & Radiology Education, Johns Hopkins PCCM Fellowship (2018–2019): Designed an evidence-based radiology curriculum for pulmonary and critical care fellows.

Relevant Coursework / Training

Johns Hopkins School of Education (Masters-level courses, 2019): Foundations of Adult Learning; Instructional Strategies; Evidence-Based Teaching

PSELECTED CLINICAL & LEADERSHIP PROJECTS

Mobile Pulmonary Function Testing Initiative — Philadelphia VA (2023–2024)

Developed a mobile PFT program to expand access to respiratory diagnostics and specialty referral pathways.

VA National Long-COVID Pilot — Pulmonary Consultant (2022–2023)

Provided virtual specialty evaluation for rural veterans with post-COVID respiratory symptoms.

Whole-Health Chronic Lung Disease Education Program (2022–2023)

Designed patient education series on oxygen therapy, symptom management, and lifestyle approaches.

Interstitial Lung Disease Multidisciplinary Team Member — VA/Academic Center (2021–2025)

Active participant in ILD diagnostic and management review conferences.

COVID-19 Clinical Response Workgroup — Philadelphia VA (2020)

Helped develop surge staffing and clinical guidance for isolation and quarantine protocols.

PUBLICATIONS

Kerlin MP, Weissman GE, **Wonneberger KA**, Kent S, Madden V, Liu VX, Halpern SD. Validation of administrative definitions of invasive mechanical ventilation across 30 intensive care units. *Am J Respir Crit Care Med* 2016;194:1548–1552.

Jessica R. Golbus, David A. Manly, **Katherine A. Wonneberger**, Thomas C. Hanff, Kathleen M. Murphy, Daniel S. Wang, Steven G. McKee, and Lisa Bellini. Implementation of a Novel, Resident-Led, Nocturnal Curriculum. *Journal of Graduate Medical Education*: September 2015, Vol. 7, No. 3, pp. 417-421.

SELECTED PRESENTATIONS

Katherine Wonneberger Gardner, Jacqueline O’Toole, Tony Lin MD, Henry Fessler MD, Michelle Sharp MD MHS, “Interdisciplinary, Fellow-developed Radiology Curriculum for Pulmonary and Critical Care Fellows”

Poster presentation ATS International Meeting, Dallas, TX; May 2019

Katherine Wonneberger, Meeta Kerlin, “Identification of mechanically ventilated patients using administrative data”

Poster presentation ATS International Meeting, San Francisco, CA; May 2016

RESEARCH

VA Cooperative Studies Program CSP#2028: Multicenter, longitudinal observational study of epidemiology, immunology and clinical characteristics of COVID-19 within the Veterans Health Administration, ongoing.

HITCH Trial: Local Co-investigator for multicenter, phase 2 randomized controlled trial of best supportive care (BSC) vs BSC plus anti-androgen therapy Degarelix in hospitalized patients with SARS-CoV-2, 2020-2021.
