Stanford

Krystle Man-Chin Leung, MD

Clinical Assistant Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine

CLINICAL OFFICE (PRIMARY)

- **Critical Care Medicine**

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Bio

BIO

Dr. Leung is a board-certified, fellowship-trained pulmonologist, intensivist, and sleep specialist with Stanford Health Care and a clinical assistant professor in the Department of Medicine, Division of Pulmonary, Allergy & Critical Care Medicine at Stanford University School of Medicine.

Dr. Leung specializes in pulmonology, critical care, and sleep medicine, focusing on sleep-disordered breathing, chronic lung disease, and ventilator management in the intensive care unit (ICU) and at home. Dr. Leung also focuses on patients with chronic obstructive pulmonary disease, chronic respiratory failure, neuromuscular respiratory weakness, obesity hypoventilation syndrome, restrictive lung disease, and sleep apnea. She provides compassionate, patient-centered care, emphasizing shared decision-making and aligning medical treatments with patients' values and preferences.

Dr. Leung's research interests include optimizing care for patients who require home ventilation and those who have or have survived critical illnesses. She has prior research experience in prolonged mechanical ventilation, thoracic imaging, and asthma.

Dr. Leung has published her work in numerous peer-reviewed journals and presented at national conferences.

Dr. Leung is a member of the American Academy of Sleep Medicine, the American College of Chest Physicians, and the American Thoracic Society.

CLINICAL FOCUS

- Critical Care Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine

HONORS AND AWARDS

- Phi Beta Kappa, Alpha Iota of Massachusetts, Harvard University
- Herchel Smith Undergraduate Science Research Fellowship, Harvard University
- Harvard Club of Chicago Public Service Fellowship, Center for Public Interest Careers, Harvard University

- Detur Book Prize, Harvard University

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Thoracic Society (2022 - present)
- Member, American College of Chest Physicians (2022 - present)
- Member, American Academy of Sleep Medicine (2023 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Dept of Sleep Medicine (2025) CA
- Board Certification: Sleep Medicine, American Board of Internal Medicine (2025)
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2025)
- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2024)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2022)
- Fellowship: Stanford University Pulmonary and Critical Care Fellowship (2025) CA
- Residency: Massachusetts General Hospital Internal Medicine Residency (2022) MA
- Medical Education: Harvard Medical School (2019) MA

Publications

PUBLICATIONS

- **Feeding intolerance in critically ill patients with COVID-19.** *Clinical nutrition (Edinburgh, Scotland)*
  Liu, R., Paz, M., Siraj, L., Boyd, T., Salamone, S., Lite, T. V., Leung, K. M., Chirinos, J. D., Shang, H. H., Townsend, M. J., Rho, J., Ni, P., Ranganath, et al
  2022; 41 (12): 3069-3076

- **Changes in Orders for Life-Sustaining Treatment in Patients Requiring Prolonged Mechanical Ventilation** *JOURNAL OF PALLIATIVE MEDICINE*
  Leung, K. M. M., McCoy, T. H. H., Rubin, E. B. B.
  2022: 1850-1856

- **On Isolation: Gowns and Glass.** *Journal of the American Geriatrics Society*
  Leung, K. M.
  2020; 68 (5): 930-931

- **Translation of adapting quantitative CT data from research to local clinical practice: validation evaluation of fully automated procedures to provide lung volumes and percent emphysema.** *Journal of medical imaging (Bellingham, Wash.)*
  Leung, K. M., Curran-Everett, D., Regan, E. A., Lynch, D. A., Jacobson, F. L.
  2020; 7 (2): 022404

- **Trends in Solid Tumor Incidence in Ukraine 30 Years After Chernobyl.** *Journal of global oncology*
  Leung, K. M., Shabat, G., Lu, P., Fields, A. C., Lukashenko, A., Davids, J. S., Melnitchouk, N.
  2019; 5: 1-10

- **Outcomes of Abdominal Surgery in Patients With Mechanical Ventricular Assist Devices: A Multi-institutional Study.** *Annals of surgery*
  Leung, K. M., Kiely, M. X., Kimbrell, A., Asban, A., Kelley, R., Bleday, R., Davids, J. S., Melnitchouk, N.
  2019; 269 (4): 774-777

- **A natural killer T-cell subset that protects against airway hyperreactivity.** *The Journal of allergy and clinical immunology*
  Chuang, Y. T., Leung, K., Chang, Y. J., DeKruyff, R. H., Savage, P. B., Cruse, R., Benoit, C., Elewaut, D., Baumgarth, N., Umetsu, D. T.
  2019; 143 (2): 565-576.e7

- **Blockade of Repulsive guidance molecule b (RGMb) inhibits allergen-induced airways disease.** *The Journal of allergy and clinical immunology*
  Yu, S., Leung, K. M., Kim, H., Umetsu, S. E., Xiao, Y., Albacker, L. A., Lee, H., Umetsu, D. T., Freeman, G. J., DeKruyff, R. H.

2019

- **Colorectal Cancer in Ukraine: Regional Disparities and National Trends in Incidence, Management, and Mortality.** *Journal of global oncology*
  Melnitchouk, N., Shabat, G., Lu, P., Lyu, H., Scully, R., Leung, K., Jarman, M., Lukashenko, A., Kolesnik, O. O., Goldberg, J., Davids, J. S., Bleday, R.
  2018; 4