

Stanford



Husham Sharifi

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

CLINICAL OFFICE (PRIMARY)

- **Medical Specialties Clinic**

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Bio

BIO

I am a Clinical Assistant Professor in the Division of Pulmonary, Allergy, and Critical Care Medicine in Stanford University School of Medicine. My practice includes a Lung Graft-versus-Host-Disease (GVHD) Clinic for patients with pulmonary complications after life-saving hematopoietic cell transplant. Our clinic is part of a Lung GVHD Consortium comprising Fred Hutchinson Cancer Center, University of Michigan, and MD Anderson Cancer Center. In this context I am the site co-Principal Investigator for two national clinical trials through the Lung GVHD Consortium that are funded by the National Institutes of Health, one studying the association of respiratory viruses with Lung GVHD and a second studying the diagnostic and prognostic utility of quantitative CT scans of the chest for Lung GVHD. Separately, I see patients with pulmonary complications of infection from severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), including "Long COVID". I also see patients in the intensive care unit (ICU). My research applies advanced computational analysis to clinical metadata and quantitative imaging data, domains that draw on my graduate level education and postdoctoral training in engineering and bioinformatics. I strive to fuse detailed, communicative patient care with the advances of data science in medicine that I research and study.

CLINICAL FOCUS

- Pulmonary Disease
- Critical Care

ACADEMIC APPOINTMENTS

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

PROFESSIONAL EDUCATION

- Residency: Yale New Haven Hospital Pediatric Emergency Department (2013) CT
- Internship: Yale New Haven Hospital Pediatric Emergency Department (2011) CT
- Medical Education: Yale University School of Medicine (2010) CT
- Fellowship, Stanford University Medical Center , Pulmonary and Critical Care
- Residency, Yale New Haven Hospital , Internal Medicine

- MD, Yale University School of Medicine
- MS, Stanford University , Bioinformatics
- MS, Massachusetts Institute of Technology , Engineering
- MS, Massachusetts Institute of Technology , Technology and Policy

Publications

PUBLICATIONS

- **Variables associated with antibiotic treatment tolerance in patients with *Mycobacterium avium* complex pulmonary disease.** *Respiratory research*
Marmor, M., Sharifi, H., Jacobs, S., Fazeli, K., Ruoss, S.
2024; 25 (1): 123
- **Coronavirus Disease-2019 Pneumonia: Clinical Manifestations.** *Clinics in chest medicine*
Sharifi, H., Hsu, J.
2023; 44 (2): 227-237
- **Opportunistic Screening for Atrial Fibrillation on Routine Chest Computed Tomography.** *Journal of thoracic imaging*
Parker, W. A., Vigneault, D. M., Yang, I., Bratt, A., Marquardt, A. C., Sharifi, H., Guo, H. H.
2023
- **Myalgic Encephalomyelitis/Chronic Fatigue Syndrome is common in post-acute sequelae of SARS-CoV-2 infection (PASC): Results from a post-COVID-19 multidisciplinary clinic.** *Frontiers in neurology*
Bonilla, H., Quach, T. C., Tiwari, A., Bonilla, A. E., Miglis, M., Yang, P. C., Eggert, L. E., Sharifi, H., Horomanski, A., Subramanian, A., Smirnoff, L., Simpson, N., Halawi, et al
2023; 14: 1090747
- **alpha_vbeta₆ Integrin Positron Emission Tomography of Lung Fibrosis in Idiopathic Pulmonary Fibrosis and Long-COVID.** *American journal of respiratory and critical care medicine*
Kimura, R. H., Sharifi, H., Shen, B., Berry, G. J., Guo, H. H.
2023
- **Epidemiology of lower respiratory tract infections and community-acquired respiratory viruses in patients with bronchiolitis obliterans syndrome after hematopoietic cell transplant: a retrospective cohort study.** *Transplantation and cellular therapy*
Epstein, D. J., Liang, E. C., Sharifi, H., Lai, Y. K., Arai, S., Gruber-Naidich, A., Sundaram, V., Nelson, J., Hsu, J. L.
2022
- **Graft-versus-host disease may cause pulmonary restriction, but not all restriction is graft-versus-host disease.** *Blood advances*
Sheshadri, A., Huang, H. J., Bashoura, L., Alousi, A. M., Alkhunaizi, M. A., Sharifi, H., Hsu, J. L.
2022
- **The safety and tolerability of pirfenidone for bronchiolitis obliterans syndrome after hematopoietic cell transplant (STOP-BOS) trial.** *Bone marrow transplantation*
Matthaiou, E. I., Sharifi, H., O'Donnell, C., Chiu, W., Owyang, C., Chatterjee, P., Turk, I., Johnston, L., Brondstetter, T., Morris, K., Cheng, G., Hsu, J. L.
2022
- **Head-to-head Comparison of Qualitative Radiologist Assessment With Automated Quantitative Computed Tomography Analysis for Bronchiolitis Obliterans Syndrome After Hematopoietic Cell Transplantation.** *Journal of thoracic imaging*
Sharifi, H., Guenther, Z. D., Leung, A. N., Johnston, L., Lai, Y. K., Hsu, J. L., Guo, H. H.
2021
- **The Use of Factor Eight Inhibitor Bypass Activity (FEIBA) for the Treatment of Perioperative Hemorrhage in Left Ventricular Assist Device Implantation.** *Journal of cardiothoracic and vascular anesthesia*
O'Donnell, C., Rodriguez, A. J., Madhok, J., Sharifi, H., Wang, H., O'Brien, C. G., Boyd, J., Hiesinger, W., Hsu, J., Hill, C. C.
2021
- **THE SAFETY AND EFFICACY OF PERIOPERATIVE FEIBA AFTER LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION**
ODonnell, C., Rodriguez, A., Madhok, J., Wang, H., Shad, R., Sharifi, H., Boyd, J., William, H., Hsu, J., Hill, C.
LIPPINCOTT WILLIAMS & WILKINS.2021: 168

- **Radiology-pathology Correlation in Recovered COVID-19, Demonstrating Organizing Pneumonia.** *American journal of respiratory and critical care medicine*
Pogatchnik, B. P., Swenson, K. E., Sharifi, H. n., Bedi, H. n., Berry, G. J., Guo, H. H.
2020
- **Machine learning algorithms to differentiate among pulmonary complications after hematopoietic cell transplant.** *Chest*
Sharifi, H. n., Lai, Y. K., Guo, H. n., Hoppenfeld, M. n., Guenther, Z. D., Johnston, L. n., Brondstetter, T. n., Chhatwani, L. n., Nicolls, M. R., Hsu, J. L.
2020
- **Predicting the Incidence of Pressure Ulcers in the Intensive Care Unit Using Machine Learning.** *EGEMS (Washington, DC)*
Cramer, E. M., Seneviratne, M. G., Sharifi, H., Ozturk, A., Hernandez-Boussard, T.
2019; 7 (1): 49
- **Association between Inhaled Corticosteroid Use and Pulmonary Nontuberculous Mycobacterial Infection** *ANNALS OF THE AMERICAN THORACIC SOCIETY*
Liu, V. X., Winthrop, K. L., Lu, Y., Sharifi, H., Nasiri, H. U., Ruoss, S. J.
2018; 15 (10): 1169–76
- **Analysis of Hypoxic and Hypercapnic Ventilatory Response in Healthy Volunteers** *PLOS ONE*
Goldberg, S., Ollila, H. M., Lin, L., Sharifi, H., Rico, T., Andlauer, O., Aran, A., Bloomrosen, E., Faraco, J., Fang, H., Mignot, E.
2017; 12 (1)
- **Cost-effectiveness analysis of periacetabular osteotomy.** *journal of bone and joint surgery. American volume*
Sharifi, E., Sharifi, H., Morshed, S., Bozic, K., Diab, M.
2008; 90 (7): 1447-1456
- **Cost-effectiveness analysis of unicompartmental knee arthroplasty as an alternative to total knee arthroplasty for unicompartmental osteoarthritis.** *journal of bone and joint surgery. American volume*
SooHoo, N. F., Sharifi, H., Kominski, G., Lieberman, J. R.
2006; 88 (9): 1975-1982
- **Cost-effectiveness analysis of core decompression** *JOURNAL OF ARTHROPLASTY*
SooHoo, N. F., Vyas, S., Manunga, J., Sharifi, H., Kominski, G., Lieberman, J. R.
2006; 21 (5): 670-681