



## William James Collins

Clinical Assistant Professor, Medicine

### CLINICAL OFFICE (PRIMARY)

- **Hospitalist for Stanford Medical Center**

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### Bio

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#### CLINICAL FOCUS

- Internal Medicine

#### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, SHM - SF Bay Area Chapter (2023 - present)

#### PROFESSIONAL EDUCATION

- Residency: University of California San Diego School of Medicine (2013) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2013)
- Medical Education: University of California at San Francisco School of Medicine (2010) CA

### Research & Scholarship

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#### CLINICAL TRIALS

- Virtual Reality Technology Versus Standard Technology During Pediatric Oral Food Challenge, Recruiting

### Publications

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#### PUBLICATIONS

- **Adapted large language models can outperform medical experts in clinical text summarization.** *Nature medicine*  
Van Veen, D., Van Uden, C., Blankemeier, L., Delbrouck, J. B., Aali, A., Bluethgen, C., Pareek, A., Polacin, M., Reis, E. P., Seehofnerová, A., Rohatgi, N., Hosamani, P., Collins, et al  
2024
- **Clinical Text Summarization: Adapting Large Language Models Can Outperform Human Experts.** *Research square*

- Veen, D. V., Uden, C. V., Blankemeier, L., Delbrouck, J. B., Aali, A., Bluethgen, C., Pareek, A., Polacin, M., Reis, E. P., Seehofnerova, A., Rohatgi, N., Hosamani, P., Collins, et al  
2023
- **Right Ventricular Dysfunction Patterns Among Patients with COVID-19 in the Intensive Care Unit - a Retrospective Cohort Analysis.** *Annals of the American Thoracic Society*  
Sanchez, P. A., O'Donnell, C. T., Francisco, N., Santana, E. J., Moore, A. R., Pacheco-Navarro, A., Roque, J., Lebold, K. M., Parmer, C. M., Pienkos, S. M., Celestin, B. E., Levitt, J. E., Collins, et al  
2023
  - **Transitioning from epicutaneous to oral peanut immunotherapy.** *Frontiers in allergy*  
Wong, L., Kost, L., Anderson, B., Long, A., Sindher, S. B., Chinthrajah, R. S., Collins, W. J.  
2023; 4: 1089308
  - **The Effects of Long-term Food Oral Immunotherapy on Compliance, Quality of Life, and Perceived Burden of Care**  
Tirumalasetty, J., Sullivan, L., Martinez, K., Collins, W., Albarran, M., Gajare, P., Kost, L., Chinthrajah, S., Sindher, S., Cao, S.  
MOSBY-ELSEVIER.2023: AB29
  - **Association between Obesity and Length of COVID-19 Hospitalization: Unexpected Insights from the American Heart Association National COVID-19 Registry.** *Journal of obesity & metabolic syndrome*  
Collins, W. J., Chang, A. Y., Weng, Y., Dahlen, A., O'Brien, C. G., Hom, J., Ahuja, N., Rodriguez, F., Rohatgi, N.  
2022
  - **Anti-nucleocapsid antibody levels and pulmonary comorbid conditions are linked to post-COVID-19 syndrome.** *JCI insight*  
Jia, X., Cao, S., Lee, A. S., Manohar, M., Sindher, S. B., Ahuja, N., Artandi, M., Blish, C. A., Blomkalns, A. L., Chang, I., Collins, W. J., Desai, M., Din, et al  
2022; 7 (13)
  - **Detailed characterization of hospitalized patients infected with the Omicron variant of SARS-CoV-2.** *Journal of internal medicine*  
Ozdalga, E., Ahuja, N., Sehgal, N., Hom, J., Weng, Y., Pinsky, B., Schulman, K. A., Collins, W.  
2022
  - **Constrictive Pericarditis Revealing Rare Case of ALH Amyloidosis With Underlying Lymphoplasmacytic Lymphoma (Waldenstrom Macroglobulinemia).** *JACC. Case reports*  
Ho, V. V., O'Sullivan, J. W., Collins, W. J., Ozdalga, E., Bell, C. F., Shah, N. D., Krishnam, M. S., Ozawa, M. G., Witteles, R. M.  
2022; 4 (5): 271-275
  - **SARS-CoV-2 and Perceived Physical, Mental and Social Health in Northern California**  
Fast, K., Lee, A., Hampton, Q., Chinthrajah, S., Sindher, S., Jia, X., Collins, W., Nadeau, K., Cao, S.  
MOSBY-ELSEVIER.2022: AB46
  - **Feasibility of Virtual Reality Technology to Improve Experience During Pediatric Oral Food Challenge**  
Collins, W., Adlou, B., Rodriguez, A., Albarran, M., O'Neal, E., Weiss, T., Hsu, K., Sindher, S., Bailenson, J., Caruso, T., Chinthrajah, S.  
MOSBY-ELSEVIER.2022: AB108
  - **Self-reported food allergy-associated anxiety during oral immunotherapy declines with time**  
Jiang, S., Cao, S., Collins, W., Fast, K., Hampton, Q., Landes, G., Martinez, K., Tang, H., Sindher, S., Chinthrajah, S.  
MOSBY-ELSEVIER.2022: AB140
  - **Climate Change and Global Health: A Call to more Research and more Action.** *Allergy*  
Agache, I., Sampath, V., Aguilera, J., Akdis, C., Akdis, M., Barry, M., Bouagnon, A., Chinthrajah, S., Collins, W., Dulitzki, C., Erny, B., Gomez, J., Goshua, et al  
1800
  - **Building a Learning Health System: Creating an Analytical Workflow for Evidence Generation to Inform Institutional Clinical Care Guidelines.** *Applied clinical informatics*  
Dash, D., Gokhale, A., Patel, B. S., Callahan, A., Posada, J., Krishnan, G., Collins, W., Li, R., Schulman, K., Ren, L., Shah, N. H.  
2022; 13 (1): 315-321
  - **Asthma phenotypes, associated comorbidities, and long-term symptoms in COVID-19.** *Allergy*  
Eggert, L. E., He, Z., Collins, W., Lee, A. S., Dhondalay, G., Jiang, S. Y., Fitzpatrick, J., Snow, T. T., Pinsky, B. A., Artandi, M., Barman, L., Puri, R., Wittman, et al  
2021

- **Vaccines and Allergic reactions: the past, the current COVID-19 pandemic, and future perspectives.** *Allergy*  
Sampath, V., Rabinowitz, G., Shah, M., Jain, S., Diamant, Z., Jesenak, M., Rabin, R., Vieths, S., Agache, I., Akdis, M., Barber, D., Breiteneder, H., Chinthrajah, et al  
2021
- **Asthma as a predictor of more severe outcomes in COVID-19 infection**  
Eggert, L., Cao, S., He, Z., Dhondalay, G., Jiang, S., Collins, W., Sindher, S., Nadeau, K., Sharon Chinthrajah, R.  
MOSBY-ELSEVIER.2021: AB44
- **Virtual Reality Reduces Pediatric Anxiety During Food Allergy Clinical Trials: A Pilot Randomized, Pragmatic Study.** *Frontiers in allergy*  
Alonzi, S., Caruso, T. J., Sindher, S. B., Cao, S., Varadharajulu, S., Collins, W. J., Chinthrajah, R. S.  
2021; 2: 779804
- **Asthma phenotypes, associated comorbidities, and long-term symptoms in COVID-19** *European Journal of Allergy and Clinical Immunology*  
Eggert, L. E., He, Z., Collins, W., Lee, A. S., Nadeau, K., Chinthrajah, R.  
2021
- **COVID-19 coagulopathy and thrombosis: Analysis of hospital protocols in response to the rapidly evolving pandemic** *THROMBOSIS RESEARCH*  
Parks, A. L., Auerbach, A. D., Schnipper, J. L., Anstey, J. E., Sterken, D. G., Hecht, T. H., Fang, M. C., Vaughn, V. M., Dunn, A. S., Linker, A. S., Hunt, D. P., Choi, J. J., Brotman, et al  
2020; 196: 355–58
- **Perceived Burden of Treatment and Quality of Life in Long-Term Follow Up after Oral Immunotherapy in Food Allergic Patients**  
Collins, W., Raeber, O., Tupa, D., Cao, S., Nadeau, K., Sindher, S., Chinthrajah, S.  
MOSBY-ELSEVIER.2020: AB147
- **NOTCH1 regulates matrix gla protein and calcification gene networks in human valve endothelium** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*  
White, M. P., Theodoris, C. V., Liu, L., Collins, W. J., Blue, K. W., Lee, J., Meng, X., Robbins, R. C., Ivey, K. N., Srivastava, D.  
2015; 84: 13–23