



## Susan Ziolkowski, MD

Clinical Assistant Professor, Medicine - Nephrology

### CLINICAL OFFICE (PRIMARY)

- **Nephrology Clinic**

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### Bio

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#### BIO

Dr. Ziolkowski is a board-certified nephrologist and Clinical Assistant Professor in the Division of Nephrology at Stanford University School of Medicine, where she is a founding contributor to Stanford's Onco-Nephrology program. She is a pioneering investigator who leads an independent, multidisciplinary research program at the intersection of onco-nephrology, medical imaging, and artificial intelligence, focused on redefining how kidney disease is detected, characterized, and managed in patients with cancer.

Her research integrates large-scale clinical data, advanced imaging, and machine learning to develop novel predictive models and uncover mechanisms of kidney injury in complex populations, including patients with cancer and stem cell transplantation. Through this work, she is establishing a new research paradigm that leverages imaging and AI to move beyond traditional biomarkers and enable earlier detection, improved risk stratification, and more precise, individualized care. Her program is designed to support the development of innovative, externally funded research aimed at transforming kidney outcomes in high-risk populations.

Clinically, Dr. Ziolkowski cares for patients at Stanford Health Care kidney clinics in Palo Alto and Emeryville, where she specializes in the management of kidney disease in patients with cancer. Her approach emphasizes precision medicine and individualized care strategies to optimize long-term outcomes and quality of life.

Dr. Ziolkowski has authored peer-reviewed publications in leading journals, including the American Journal of Kidney Diseases, Journal of Renal Nutrition, and Peritoneal Dialysis International, and presents her work nationally at meetings such as the American Society of Nephrology. Through her leadership in research, clinical care, and education, she is advancing the field of onco-nephrology and shaping the future of data-driven kidney care.

#### CLINICAL FOCUS

- Nephrology
- Chronic Kidney Disease

- Nephrology Oncology
- Multiple Myeloma
- Monoclonal gammopathy of renal significance
- End Stage Renal Disease
- Bone health and body composition

## ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine - Nephrology

## PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2015)
- Board Certification, American Board of Internal Medicine , Nephrology
- Board Certification, American Board of Internal Medicine , Internal Medicine
- Fellowship, Stanford Medical Center , Nephrology
- Residency, University of Rochester Medical Center, Rochester, New York , Internal Medicine
- Medical Degree, State University of New York – Upstate Medical University, Syracuse

## Publications

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### PUBLICATIONS

- **Monoclonal versus monotypic: promoting awareness of terminology and clinical take-aways.** *Kidney international*  
Zheng, S., Iberri, D. J., Ziolkowski, S.  
2026; 109 (3): 609-610
- **Association of immune checkpoint inhibitors with muscle mass and density in patients with melanoma.** *The oncologist*  
Ziolkowski, S., Matheson, B. E., Boyd, S. K., Walle, M., Gill, J., Walker, J., Salopek, T., Baker, J. F., Fettahoglu, A., Ye, C.  
2026
- **Kidney Function after Hematopoietic Cell Transplantation with Orca-T, Cyclophosphamide or Methotrexate GvHD Prophylaxis: a single-center retrospective study.** *Transplantation and cellular therapy*  
Ziolkowski, S., Villar-Prados, A., Parvathinathan, G., Okabuonye, N., Reddy, S. T., Johnston, L., Arai, S., Stedman, M., Anand, S., Meyer, E.  
2025
- **Corticosteroid, Parathyroid Hormone, and Body Composition Associations With Bone Density and Structure Following Kidney Transplantation.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*  
Ziolkowski, S. L., Long, J., Nickolas, T. L., Bender, S., Goral, S., Zemel, B. S., Rajapakse, C. S., Dienemann, T., Leonard, M. B.  
2025
- **Molecularly Targeted Cancer Medications and Kidney Health.** *JAMA network open*  
Ziolkowski, S., Long, J., Zhong, Y., Morgan-Cooper, H., Wakelee, H., Khaki, A., Riaz, F., Reddy, S., Leonard, M., Anand, S.  
2025; 8 (11): e2541221
- **KIDNEY FUNCTION IN ALLOGENIC HEMATOPOIETIC CELL TRANSPLANT RECIPIENTS TREATED WITH ORCA-T GVHD PROPHYLAXIS COMPARED TO POST TRANSPLANT CYCLOPHOSPHAMIDE OR METHOTREXATE**  
Ziolkowski, S., Villar-Prados, A., Parvathinathan, G., Okabuonye, N., Johnston, L., Arai, S., Stedman, M., Anand, S., Meyer, E.  
W B SAUNDERS CO-ELSEVIER INC.2025
- **Glucarpidase for Treatment of High-Dose Methotrexate Toxicity.** *Blood*  
Gupta, S., Kaunfer, S. A., Chen, K. L., Dias, J., Vijayan, A., Rajasekaran, A., Prosek, J., Truong, H. L., Wood, A., Bassil, C., Renaghan, A. D., Shah, C. V., Zhang, et al  
2025
- **Cystatin C and Creatinine Concentrations are Uninformative Biomarkers of Sarcopenia: A Cross-Sectional NHANES Study.** *Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation*

- Shah, L. N., Leonard, M. B., Ziolkowski, S. L., Grimm, P., Long, J.  
2023
- **Association between cause of kidney failure and fracture incidence in a national US dialysis population cohort study** *CLINICAL KIDNEY JOURNAL*  
Ziolkowski, S., Liu, S., Montez-Rath, M. E., Denburg, M., Winkelmayer, W. C., Chertow, G. M., O'Shaughnessy, M. M.  
2022
  - **Perceptions of physical activity and technology enabled exercise interventions among people with advanced chronic kidney disease: a qualitative study.** *BMC nephrology*  
Weber, M. B., Ziolkowski, S., Bootwala, A., Bienvenida, A., Anand, S., Lobelo, F.  
2021; 22 (1): 373
  - **Changes in Body Composition, Muscle Strength, and Fat Distribution Following Kidney Transplantation.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*  
Dienemann, T., Ziolkowski, S. L., Bender, S., Goral, S., Long, J., Baker, J. F., Shults, J., Zemel, B. S., Reese, P. P., Wilson, F. P., Leonard, M. B.  
2021
  - **Group-Based Exercise in CKD Stage 3b to 4: A Randomized Clinical Trial.** *Kidney medicine*  
Anand, S., Ziolkowski, S. L., Bootwala, A., Li, J., Pham, N., Cobb, J., Lobelo, F.  
2021; 3 (6): 951-961.e1
  - **Validation of a description of sarcopenic obesity defined as excess adiposity and low lean mass relative to adiposity.** *Journal of cachexia, sarcopenia and muscle*  
Baker, J. F., Harris, T. n., Rapoport, A. n., Ziolkowski, S. L., Leonard, M. B., Long, J. n., Zemel, B. n., Weber, D. R.  
2020
  - **Relative sarcopenia and mortality and the modifying effects of chronic kidney disease and adiposity.** *Journal of cachexia, sarcopenia and muscle*  
Ziolkowski, S. L., Long, J., Baker, J. F., Chertow, G. M., Leonard, M. B.  
2019
  - **Chronic Kidney Disease and the Adiposity Paradox: Valid or Confounded?** *Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation*  
Ziolkowski, S. L., Long, J., Baker, J. F., Chertow, G. M., Leonard, M. B.  
2019
  - **Effects of Weight History on the Association Between Directly-Measured Adiposity and Mortality in Older Adults.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Baker, J. F., Ziolkowski, S. L., Long, J. n., Leonard, M. B., Stokes, A. n.  
2019
  - **A multi-imaging modality study of bone density, bone structure and the muscle - bone unit in end-stage renal disease.** *Bone*  
Leonard, M. B., Wehrli, F. W., Ziolkowski, S. L., Billig, E. n., Long, J. n., Nickolas, T. L., Magland, J. F., Nihtianova, S. n., Zemel, B. S., Herskovitz, R. n., Rajapakse, C. S.  
2019
  - **Physical activity promotion for patients transitioning to dialysis using the "Exercise is Medicine" framework: a multi-center randomized pragmatic trial (EIM-CKD trial) protocol** *BMC NEPHROLOGY*  
Jagannathan, R., Ziolkowski, S., Weber, M., Cobb, J., Pham, N., Long, J., Anand, S., Lobelo, F.  
2018; 19: 230
  - **Sarcopenia, Relative Sarcopenia and Excess Adiposity in Chronic Kidney Disease** *Journal of Sarcopenia, Cachexia and Muscle- Clinical Reports*  
Ziolkowski, S., Long, J., Baker, J., Leonard, M.  
2018
  - **A Qualitative Assessment of Mismatch Between Dialysis Modality Selection and Initiation.** *Peritoneal dialysis international*  
Ziolkowski, S., Liebman, S.  
2016; 36 (4): 463-466

- **Proton Pump Inhibitor-Associated *C. difficile* Infection in a Peritoneal Dialysis Patient** *PERITONEAL DIALYSIS INTERNATIONAL*  
Ziolkowski, S. L., Malabanan, M. H., Liebman, S. E.  
2015; 35 (5): 586-?
- **Association of Acute Interstitial Nephritis with Carnivora, a Venus Flytrap Extract, in a 30-Year-Old Man with Hodgkin's Lymphoma. Case reports in nephrology**  
Ziolkowski, S., Moore, C.  
2014; 2014: 486173-?