

# Stanford

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## Shuchi Anand

Assistant Professor of Medicine (Nephrology) at the Stanford University Medical Center

Medicine - Nephrology

### CLINICAL OFFICES

- **Nephrology**

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### Bio

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### BIO

Dr Anand is a nephrologist and clinical researcher, with an interest in caring for patients with a broad range of kidney disease. She has active projects in collaboration with Santa Clara Valley Medical Center, Emory University, Center for Chronic Disease Control in India, and Kandy Teaching Hospital in Sri Lanka. She is building clinical expertise in tubulo-interstitial disease: <http://stan.md/tikidney>

### CLINICAL FOCUS

- Nephrology
- Tubulointerstitial disease

### ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Medicine - Nephrology

### ADMINISTRATIVE APPOINTMENTS

- Nephrology Elective Director, Stanford University, (2014- present)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Asian Nephrologists of Indian Origin (2017 - present)
- Organizing member, International Consortium of CKDu Collaborators (2016 - present)
- Board Member, International Society of Nephrology, North America and Caribbean Regional Board (2017 - present)

### PROFESSIONAL EDUCATION

- Medical Education: Washington University in St Louis (2006) MO
- Fellowship: Stanford University School of Medicine (2012) CA
- Residency: Brigham and Women's Hospital Harvard Medical School (2009) MA
- Board Certification: Nephrology, American Board of Internal Medicine (2012)

- Board Certification: Internal Medicine, American Board of Internal Medicine (2009)
- Masters in Clinical Epidemiology, Stanford University School of Medicine
- Fellowship, Stanford University School of Medicine , Nephrology
- Residency, Brigham and Women's Hospital , Internal Medicine (2009)

## COMMUNITY AND INTERNATIONAL WORK

- ISN Sister Center

## LINKS

- Exercise is Medicine Initiative: <http://exerciseismedicine.org/>
- Global Poverty Affiliate: <http://globalpoverty.stanford.edu/people/shuchi-anand>
- Tubulointerstitial kidney disease: <http://stan.md/tkd>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr Anand is interested in improving care for patients with kidney disease living in low-resource settings and using practical tools. She has active projects in India and Sri Lanka. She is also involved with the Exercise is Medicine initiative, with an active pilot clinical trial in adapting the intervention for patients with advanced kidney disease.

### CLINICAL TRIALS

- Exercise is Medicine for Patients With CKD, Recruiting

### PROJECTS

- CKDu in Sri Lanka: standardizing data collection for case definition and epidemiology research - Stanford University
- CKD in South Asians: CARRS study - Stanford University

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Nephrology (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Twice-Weekly Hemodialysis and Clinical Outcomes in the China Dialysis Outcomes and Practice Patterns Study** *KIDNEY INTERNATIONAL REPORTS*  
Yan, Y., Wang, M., Zee, J., Schaubel, D., Tu, C., Qian, J., Bieber, B., Wang, M., Chen, N., Li, Z., Port, F. K., Robinson, B. M., Anand, et al  
2018; 3 (4): 889–96
- **Acute Kidney Injury Due to Diarrheal Illness Requiring Hospitalization: Data from the National Inpatient Sample.** *Journal of general internal medicine*  
Bradshaw, C., Zheng, Y., Silver, S. A., Chertow, G. M., Long, J., Anand, S.  
2018
- **Improving the prognosis of patients with severely decreased glomerular filtration rate (CKD G4+): conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference** *KIDNEY INTERNATIONAL*  
Eckardt, K., Bansal, N., Coresh, J., Evans, M., Grams, M. E., Herzog, C. A., James, M. T., Heerspink, H. L., Pollock, C. A., Stevens, P. E., Tamura, M., Tonelli, M. A., Wheeler, et al  
2018; 93 (6): 1281–92
- **Cardiovascular, respiratory, and related disorders: key messages from Disease Control Priorities, 3rd edition** *LANCET*

Prabhakaran, D., Anand, S., Watkins, D., Gaziano, T., Wu, Y., Mbanya, J., Nugent, R., Dis Control Priorities Cardiovasc  
2018; 391 (10126): 1224–36

- **Universal health coverage and intersectoral action for health: key messages from Disease Control Priorities, 3rd edition** *LANCET*  
Jamison, D. T., Alwan, A., Mock, C. N., Nugent, R., Watkins, D., Adeyi, O., Anand, S., Atun, R., Bertozzi, S., Bhutta, Z., Binagwaho, A., Black, R., Blecher, et al  
2018; 391 (10125): 1108–20
- **Chronic kidney disease care models in low- and middle-income countries: a systematic review** *BMJ GLOBAL HEALTH*  
Stanifer, J. W., Von Isenburg, M., Chertow, G. M., Anand, S.  
2018; 3 (2): e000728
- **Do attributes of persons with chronic kidney disease differ in low-income and middle-income countries compared with high-income countries? Evidence from population-based data in six countries** *BMJ GLOBAL HEALTH*  
Anand, S., Zheng, Y., Montez-Rath, M. E., Wei, W., Perico, N., Carminati, S., Narayan, K., Tandon, N., Mohan, V., Jha, V., Zhang, L., Remuzzi, G., Prabhakaran, et al  
2017; 2 (4): e000453
- **Prevalence of chronic kidney disease and risk factors for its progression: A cross-sectional comparison of Indians living in Indian versus US cities** *PLOS ONE*  
Anand, S., Kondal, D., Montez-Rath, M., Zheng, Y., Shivashankar, R., Singh, K., Gupta, P., Gupta, R., Ajay, V. S., Mohan, V., Pradeepa, R., Tandon, N., Ali, et al  
2017; 12 (3)
- **Barriers to Increasing Use of Peritoneal Dialysis in Bangladesh: A Survey of Patients and Providers** *PERITONEAL DIALYSIS INTERNATIONAL*  
Savla, D., Ahmed, S., Yeates, K., Matthew, A., Anand, S.  
2017; 37 (2): 234-U134
- **Tackling the Fallout From Chronic Kidney Disease of Unknown Etiology: Why We Need to Focus on Providing Peritoneal Dialysis in Rural, Low-Resource Settings** *KIDNEY INTERNATIONAL REPORTS*  
Nanayakkara, N., Wazil, A. M., Gunerathne, L., Dickowita, S., Rope, R., Ratnayake, C., Saxena, A., Anand, S.  
2017; 2 (1): 1–4
- **Can twice weekly hemodialysis expand patient access under resource constraints?** *Hemodialysis international. International Symposium on Home Hemodialysis*  
Savla, D., Chertow, G. M., Meyer, T., Anand, S.  
2016
- **Clinical nephrology research in low-resource settings: opportunities, priorities, and challenges for young investigators** *Proceedings from the 10th Conference on Kidney Disease in Disadvantaged Populations in Cape Town, South Africa, March 2015* *CLINICAL NEPHROLOGY*  
Anand, S., Stanifer, J. W., Thomas, B.  
2016; 86: S8-S13
- **Pemetrexed-Induced Nephrogenic Diabetes Insipidus** *AMERICAN JOURNAL OF KIDNEY DISEASES*  
Fung, E., Anand, S., Bhalla, V.  
2016; 68 (4): 628-632
- **Sex differences in obesity, dietary habits, and physical activity among urban middle-class Bangladeshis.** *International journal of health sciences*  
Saquib, J., Saquib, N., Stefanick, M. L., Khanam, M. A., Anand, S., Rahman, M., Chertow, G. M., Barry, M., Ahmed, T., Cullen, M. R.  
2016; 10 (3): 363-372
- **Anemia Management in the China Dialysis Outcomes and Practice Patterns Study** *BLOOD PURIFICATION*  
Zuo, L., Wang, M., Hou, F., Yan, Y., Chen, N., Qian, J., Wang, M., Bieber, B., Pisoni, R. L., Robinson, B. M., Anand, S.  
2016; 42 (1): 33-43
- **Prevalence of chronic kidney disease in two major Indian cities and projections for associated cardiovascular disease** *KIDNEY INTERNATIONAL*  
Anand, S., Shivashankar, R., Ali, M. K., Kondal, D., Binukumar, B., Montez-Rath, M. E., Ajay, V. S., Pradeepa, R., Deepa, M., Gupta, R., Mohan, V., Narayan, K. M., Tandon, et al  
2015; 88 (1): 178-185
- **Understanding acute kidney injury in low resource settings: a step forward** *BMC NEPHROLOGY*  
Anand, S., Cruz, D. N., Finkelstein, F. O.  
2015; 16

- **Two-times weekly hemodialysis in China: frequency, associated patient and treatment characteristics and Quality of Life in the China Dialysis Outcomes and Practice Patterns study.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*  
Bieber, B., Qian, J., Anand, S., Yan, Y., Chen, N., Wang, M., Wang, M., Zuo, L., Hou, F. F., Pisoni, R. L., Robinson, B. M., Ramirez, S. P.  
2014; 29 (9): 1770-1777
- **Aging and chronic kidney disease: the impact on physical function and cognition.** *journals of gerontology. Series A, Biological sciences and medical sciences*  
Anand, S., Johansen, K. L., Kurella Tamura, M.  
2014; 69 (3): 315-322
- **Aging and Chronic Kidney Disease: The Impact on Physical Function and Cognition** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*  
Anand, S., Johansen, K. L., Tamura, M. K.  
2014; 69 (3): 315-322
- **High prevalence of chronic kidney disease in a community survey of urban Bangladeshis: a cross-sectional study.** *Globalization and health*  
Anand, S., Khanam, M. A., Saquib, J., Saquib, N., Ahmed, T., Alam, D. S., Cullen, M. R., Barry, M., Chertow, G. M.  
2014; 10: 9-?
- **High prevalence of chronic kidney disease in a community survey of urban Bangladeshis: a cross-sectional study.** *Globalization and health*  
Anand, S., Khanam, M. A., Saquib, J., Saquib, N., Ahmed, T., Alam, D. S., Cullen, M. R., Barry, M., Chertow, G. M.  
2014; 10 (1): 9-?
- **Vitamin d deficiency and mortality in patients receiving dialysis: the comprehensive dialysis study.** *Journal of renal nutrition*  
Anand, S., Chertow, G. M., Johansen, K. L., Grimes, B., Dalrymple, L. S., Kaysen, G. A., Kurella Tamura, M.  
2013; 23 (6): 422-427
- **Vitamin D Deficiency and Mortality in Patients Receiving Dialysis: The Comprehensive Dialysis Study** *JOURNAL OF RENAL NUTRITION*  
Anand, S., Chertow, G. M., Johansen, K. L., Grimes, B., Dalrymple, L. S., Kaysen, G. A., Tamura, M. K.  
2013; 23 (6): 422-427
- **High prevalence of type 2 diabetes among the urban middle class in Bangladesh** *BMC PUBLIC HEALTH*  
Saquib, N., Khanam, M. A., Saquib, J., Anand, S., Chertow, G. M., Barry, M., Ahmed, T., Cullen, M. R.  
2013; 13
- **Longitudinal Measures of Serum Albumin and Prealbumin Concentrations in Incident Dialysis Patients: The Comprehensive Dialysis Study** *JOURNAL OF RENAL NUTRITION*  
Dalrymple, L. S., Johansen, K. L., Chertow, G. M., Grimes, B., Anand, S., McCulloch, C. E., Kaysen, G. A.  
2013; 23 (2): 91-97
- **Association of Physical Activity with Survival among Ambulatory Patients on Dialysis: The Comprehensive Dialysis Study** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*  
Johansen, K. L., Kaysen, G. A., Dalrymple, L. S., Grimes, B. A., Glidden, D. V., Anand, S., Chertow, G. M.  
2013; 8 (2): 248-253
- **Physical activity and self-reported symptoms of insomnia, restless legs syndrome, and depression: The comprehensive dialysis study** *HEMODIALYSIS INTERNATIONAL*  
Anand, S., Johansen, K. L., Grimes, B., Kaysen, G. A., Dalrymple, L. S., Kutner, N. G., Chertow, G. M.  
2013; 17 (1): 50-58
- **The Gap between Estimated Incidence of End-Stage Renal Disease and Use of Therapy.** *PloS one*  
Anand, S., Bitton, A., Gaziano, T.  
2013; 8 (8)
- **High prevalence of type 2 diabetes among the urban middle class in Bangladesh.** *BMC public health*  
Saquib, N., Khanam, M. A., Saquib, J., Anand, S., Chertow, G. M., Barry, M., Ahmed, T., Cullen, M. R.  
2013; 13: 1032-?
- **The gap between estimated incidence of end-stage renal disease and use of therapy.** *PloS one*  
Anand, S., Bitton, A., Gaziano, T.

2013; 8 (8)

- **Causal or Casual?-The Association Between Consumption of Artificially Sweetened Carbonated Beverages and Vascular Disease** *JOURNAL OF GENERAL INTERNAL MEDICINE*  
Anand, S., Winkelmayr, W. C.  
2012; 27 (9): 1100-1101
- **Obesity and the relationship between pre-hypertension and chronic kidney disease: can we really isolate the effect of pre-hypertension?** *KIDNEY INTERNATIONAL*  
Anand, S., Arce, C. M., Sainani, K. L.  
2012; 82 (4): 489-489
- **Combining Angiotensin Receptor Blockers With ACE Inhibitors in Elderly Patients** *AMERICAN JOURNAL OF KIDNEY DISEASES*  
Anand, S., Tamura, M. K.  
2012; 59 (1): 11-14
- **Vitamin D deficiency, self-reported physical activity and health-related quality of life: the Comprehensive Dialysis Study** *NEPHROLOGY DIALYSIS TRANSPLANTATION*  
Anand, S., Kaysen, G. A., Chertow, G. M., Johansen, K. L., Grimes, B., Dalrymple, L. S., Tamura, M. K.  
2011; 26 (11): 3683-3688
- **Association of Self-reported Physical Activity With Laboratory Markers of Nutrition and Inflammation: The Comprehensive Dialysis Study** *JOURNAL OF RENAL NUTRITION*  
Anand, S., Chertow, G. M., Johansen, K. L., Grimes, B., Tamura, M. K., Dalrymple, L. S., Kaysen, G. A.  
2011; 21 (6): 429-437
- **Cytomegalovirus in the transplanted kidney: a report of two cases and review of prophylaxis.** *NDT plus*  
Anand, S., Yabu, J. M., Melcher, M. L., Kambham, N., Laszik, Z., Tan, J. C.  
2011; 4 (5): 342-345
- **Comparison of CKD awareness in a screening population using the Modification of Diet in Renal Disease (MDRD) study and CKD Epidemiology Collaboration (CKD-EPI) equations.** *American journal of kidney diseases*  
Kurella Tamura, M., Anand, S., Li, S., Chen, S., Whaley-Connell, A. T., Stevens, L. A., Norris, K. C.  
2011; 57 (3): S17-23
- **Comparison of CKD Awareness in a Screening Population Using the Modification of Diet in Renal Disease (MDRD) Study and CKD Epidemiology Collaboration (CKD-EPI) Equations** *AMERICAN JOURNAL OF KIDNEY DISEASES*  
Tamura, M. K., Anand, S., Li, S., Chen, S., Whaley-Connell, A. T., Stevens, L. A., Norris, K. C.  
2011; 57 (3): S17-S23
- **The elderly patients on hemodialysis.** *Minerva urologica e nefrologica = The Italian journal of urology and nephrology*  
Anand, S., Kurella Tamura, M., Chertow, G. M.  
2010; 62 (1): 87-101
- **The elderly patients on hemodialysis** *MINERVA UROLOGICA E NEFROLOGICA*  
Anand, S., Tamura, M. K., Chertow, G. M.  
2010; 62 (1): 87-101
- **Growing Epidemic of Coronary Heart Disease in Low- and Middle-Income Countries** *CURRENT PROBLEMS IN CARDIOLOGY*  
Gaziano, T. A., Bitton, A., Anand, S., Abrahams-Gessel, S., Murphy, A.  
2010; 35 (2): 72-115
- **The global cost of nonoptimal blood pressure** *JOURNAL OF HYPERTENSION*  
Gaziano, T. A., Bitton, A., Anand, S., Weinstein, M. C.  
2009; 27 (7): 1472-1477