

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Ashwini Sehgal, MD		POSITION TITLE Professor	
eRA COMMONS USER NAME ASEHGAL			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Rochester	BA	1982	Mathematics
Harvard Medical School	MD	1986	Medicine
Massachusetts General Hospital	--	1989	Internal Medicine
University of California, San Francisco	--	1993	Nephrology

A. Personal Statement

I am a nephrologist and experienced health services researcher. I have been the principal investigator of eight NIH-funded community-based trials to improve quality of care for patients with hypertension, kidney failure, or kidney transplants. These trials included efforts to improve dialysis dosing, nutritional status of dialysis patients, phosphorus management, and access to kidney transplantation. I also have expertise in national prospective cohort studies and surveys of complex topics.

B. Positions and Honors

Positions and Employment

1989-1993 Robert Wood Johnson Clinical Scholar, University of California, San Francisco, California
1993-2006 Assistant/Associate Professor of Medicine, Biomedical Ethics, and Epidemiology & Biostatistics, Case Western Reserve University, Cleveland, Ohio
2004-2006 Duncan Neuhauser Associate Professor of Community Health Improvement, Case Western Reserve University
2004-2006- Director, Center for Reducing Health Disparities, Case Western Reserve University
2006- Co-Medical Director, City of Cleveland Department of Public Health
2006- Duncan Neuhauser Professor of Community Health Improvement; Professor of Medicine, Biomedical Ethics, and Epidemiology & Biostatistics, Case Western Reserve University
2006- Associate Editor, Annals of Internal Medicine

Other Experience and Professional Memberships

1997-2003 Institutional Review Board, MetroHealth Medical Center, Cleveland, Ohio
2001-2009 Data and Safety Monitoring Board, Clinical Trial of Homocysteine Lowering in Renal Transplant Recipients, NIH
2003 Re-engineering the Clinical Research Enterprise Panel, NIH
2003-2004 Clinical Studies of Kidney Diseases Special Emphasis Panel, NIH
2004-2005 Protocol Review Committee, General Clinical Research Center, Case Western Reserve University
2005-2007 Vice-Chairperson, Medical Review Board, Tri-State Renal Network, Indianapolis, Indiana

Honors

1992-1993 Awarded National Kidney Foundation Research Fellowship
2000 National Golden Apple for Teaching Excellence Award, American Medical Student Association, Washington, DC

C. Selected peer-reviewed publications (selected from 84 peer-reviewed publications)

Most relevant to the current application (clinical trials, job satisfaction)

Leon JB, Majerle AD, Soinski JA, Kushner I, Ohri-Vachaspati P, Sehgal AR. Can a nutrition intervention improve albumin levels among hemodialysis patients? A pilot study. *Journal of Renal Nutrition*. 2001;11:9-15.

Sehgal AR, Leon JB, Siminoff LA, Singer ME, Bunosky LM, Cebul RD. Improving the quality of hemodialysis treatment: A community-based randomized controlled trial to overcome patient-specific barriers. *Journal of the American Medical Association*. 2002;287:1961-1967.

Perumal S, Sehgal AR. Job satisfaction and patient care practices of hemodialysis nurses and technicians. *Nephrology Nursing Journal*. 2003;30:523-528.

Harkness LS, Fiedler K, Sehgal AR, Oravec D, Lerner E. Decreased bone resorption with soy isoflavone supplementation in postmenopausal women. *Journal of Women's Health*. 2004;13:1004-1011.

Leon JB, Albert JM, Gilchrist G, Kushner I, Lerner E, Mach S, Majerle A, Porter D, Ricanati E, Sperry L, Sullivan C, Zimmerer J, Sehgal AR. Improving albumin levels among hemodialysis patients: a community-based randomized controlled trial. *American Journal of Kidney Diseases*. 2006;48:28-26.

Sullivan C, Leon JB, Sehgal AR. Job satisfaction among renal dietitians. *Journal of Renal Nutrition*. 2006;16:337-340.

Pandey P, Sehgal AR, Riboud M, Levine D, Goyal M. Informing rural populations in India improves delivery of entitled health and social services: a randomized controlled trial. *Journal of the American Medical Association*. 2007;298:1867-1875.

Sullivan C, Sayre SS, Leon JB, Machevano R, Love TE, Porter D, Marbury M, Sehgal AR. Impact of food additives on hyperphosphatemia among end stage renal disease patients: a randomized controlled trial. *Journal of the American Medical Association*. 2009;301:629-635.

Additional publications (surveys, cohort studies, other outcomes research)

Sehgal A, Galbraith A, Chesney M, Schoenfeld P, Charles G, Lo B. How strictly do dialysis patients want their advance directives followed? *Journal of the American Medical Association*. 1992;267:59-63.

Sehgal A, Weisheit C, Miura Y, Butzlaff M, Kielstein R, Taguchi Y. Advance directives and withdrawal of dialysis in the United States, Germany, and Japan. *Journal of the American Medical Association*. 1996;276:1652-1656.

Sehgal A, LeBeau S, Youngner S. Dialysis patient attitudes toward financial incentives for kidney donation. *American Journal of Kidney Diseases*. 1997;29:410-418.

Sehgal A, Grey S, DeOreo P, Whitehouse P. Prevalence, recognition, and implications of mental impairment among hemodialysis patients. *American Journal of Kidney Diseases*. 1997;30:41-49.

Sehgal A, Snow R, Singer M, Amini S, DeOreo P, Silver M, Cebul R. Barriers to adequate delivery of hemodialysis. *American Journal of Kidney Diseases*. 1998;31:593-601.

Alexander G, Sehgal A. Dialysis patient ratings of the quality of medical care. *American Journal of Kidney Diseases*. 1998;32:284-289.

Alexander G, Sehgal A. Barriers to cadaveric renal transplantation among blacks, women, and the poor. *Journal of the American Medical Association*. 1998;280:1148-1152.

- Covinsky KE, Martin G, Beyth RJ, Justice AC, Sehgal AR, Landefeld CS. The relationship between clinical assessments of nutritional status and adverse outcomes in older hospitalized medical patients. *Journal of the American Geriatrics Society*. 1999;47:532-538.
- Sehgal AR. Outcomes of renal replacement therapy among blacks and women. *American Journal of Kidney Diseases*. 2000;35:S148-S152.
- Landers SH, Sehgal AR. How do physicians lobby their members of Congress? *Archives of Internal Medicine*. 2000;160:3248-3251.
- Sehgal AR, Dor A, Tsai AC. Morbidity and cost implications of inadequate hemodialysis. *American Journal of Kidney Diseases*. 2001;37:1223-1231.
- Kushner I, Sehgal AR. Is high sensitivity C-reactive protein an effective screening test for cardiovascular disease? *Archives of Internal Medicine*. 2002;162:867-869.
- Alexander GC, Sehgal AR. Variation in access to kidney transplantation across dialysis facilities: Using process of care measures for quality improvement. *American Journal of Kidney Diseases*. 2002;40:824-831.
- Goyal M, Mehta RL, Schneiderman LJ, Sehgal AR. Economic and health consequences of selling a kidney in India. *Journal of the American Medical Association*. 2002;288:1589-1593.
- Sehgal AR. Impact of quality improvement efforts on race and gender disparities in hemodialysis patients. *Journal of the American Medical Association*. 2003;289:996-1000.
- Sehgal AR. The incremental cost of providing adequate hemodialysis. *Dialysis and Transplantation*. 2003;32:526-534.
- O'Connor A, Flauto R, Sehgal AR. Improving the accuracy of Kt/V measurement. *Dialysis and Transplantation*. 2003;32:590-595.
- Landers S, Sehgal AR. Health care lobbying in the United States. *American Journal of Medicine*. 2004;116:474-477.
- Sehgal AR. Overlap between whites and blacks in response to antihypertensive drugs. *Hypertension*. 2004;43:566-572.
- Sehgal AR. The net transfer of transplant organs across race, sex, age, and income. *American Journal of Medicine*. 2004;117:670-675.
- Sehgal AR. The role of reputation in U.S. News & World Report's rankings of the top 50 American hospitals. *Annals of Internal Medicine*. 2010;152:521-525.

D. Research Support

Ongoing

P60 MD002265 Sehgal (PI) 9/11/2007 – 6/30/2012

NIH/NCMHD

Engaging Communities and Institutions to Reduce Health Disparities in Cleveland

The goals of this project are to engage Cleveland's health care providers, educational institutions, community organizations, and government agencies to understand and reduce health disparities, and to test interventions designed to reduce health disparities.

Role: PI

RR024989 Davis (PI) 9/17/2007 – 5/31/2012

NIH/NCRR

Institutional Clinical and Translational Science Award – Community Research Partnership Core

The goals of the Community Research Partnership Core are to enhance community knowledge and involvement in research and to provide researchers with training and resources in community-based research.

Role: Core Director

Completed within past three years

R01 DK51472 Sehgal (PI) 3/15/2002-11/30/2008

NIH/NIDDK

Overcoming Nutritional Barriers in Hemodialysis Patients

The goals of this project are to conduct a randomized controlled trial to overcome specific nutritional barriers among hemodialysis patients.

Role: PI

R01 DK61021. Wright (PI) 9/1/01-8/31/08

NIH/NIDDK

Cohort Study of Chronic Renal Insufficiency.

National prospective cohort study to determine risk factors for progression of renal insufficiency and development of cardiovascular disease.

Role: Co-Investigator