CURRICULUM VITAE
ASHWINI SEHGAL, M.D.

PRESENT POSITIONS

Director, Center for Reducing Health Disparities
Duncan Neuhauser Professor of Community Health Improvement
Professor of Medicine, Bioethics, and Epidemiology & Biostatistics
Case Western Reserve University, Cleveland, Ohio

Co-Medical Director
City of Cleveland Department of Public Health

Nephrologist
MetroHealth Medical Center, Cleveland, Ohio

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Annals of Internal Medicine, Philadelphia, Pennsylvania

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EDUCATION

1978	Dunkirk Senior High School, Dunkirk, NY (valedictorian)
1982 B.A.	University of Rochester, Rochester, NY (summa cum laude, mathematics)
1986 M.D.	Harvard Medical School, Boston, MA
1986-1989	Internal medicine internship and residency, Massachusetts General Hospital, Boston, MA

1089-1993 Nephrology fellowship and Robert Wood Johnson Clinical Scholars Program, University of California, San Francisco

PROFESSIONAL APPOINTMENTS

1993-2000 Assistant Professor of Medicine, Bioethics, and Epidemiology & Biostatistics, Case Western Reserve University

2000-2006 Associate Professor of Medicine, Bioethics, and Epidemiology & Biostatistics, Case Western Reserve University

2004- Director, Center for Reducing Health Disparities, Case Western Reserve University

2004-2006 Duncan Neuhauser Associate Professor of Community Health Improvement, Case Western Reserve University

2006- Co-Medical Director, City of Cleveland Department of Public Health

2006- Professor of Medicine, Bioethics, and Epidemiology & Biostatistics Case Western Reserve University

2006- Duncan Neuhauser Professor of Community Health Improvement, Case Western Reserve University

2006- Associate Editor, Annals of Internal Medicine, Philadelphia, Pennsylvania

LICENSURE

1989 Diplomate, American Board of Internal Medicine (Internal Medicine)

1992 Diplomate, American Board of Internal Medicine (Nephrology)

1993 Ohio medical license 65710

HONORS AND AWARDS

Awarded National Kidney Foundation Research Fellowship (1992-93)

Article in Journal of the American Medical Association selected as an important research advance by National Institutes of Diabetes and Digestive and Kidney Diseases, National Institutes of Health (1998)

Cited as exceptional reviewer by Annals of Internal Medicine (1999)

National Golden Apple for Teaching Excellence Award, American Medical Student Association, Washington, DC (2000)

Research poster selected as one of 10 to be highlighted by the American Society of Nephrology for members of Congress (2000)

Honorable Mention, Department of Medicine Teaching Excellence Award, MetroHealth Medical Center, Cleveland, Ohio (2006)

RESEARCH INTERESTS

Adequacy of hemodialysis
Nutrition in renal failure
Access to kidney transplantation
Identifying and overcoming barriers to quality of care
Health disparities

RESEARCH GRANTS

1990-1991 Veterans Administration Health Services Research and Development Project IIR #90-075R. How Strictly Do Dialysis Patients Want Their Advance Directives Followed? (Principal Investigator, total $8,000)

1994-1995 Ohio Board of Regents Research Initiation Grant. Cadaveric Renal Transplantation Among Blacks, Women, and the Poor. (Principal Investigator, total $5,000)

1996-1998 Ohio Peer Review Systems. End Stage Renal Disease Project. (Associate Clinical Coordinator, total $29,000)

1996-1998 National Institutes of Health (NIDDK) R01 DK51472-01. Barriers to Effective Care of Dialysis Patients. (Principal Investigator, 50% effort, total direct costs $271,000)

1998-1999 Rosenberg Foundation, Cleveland, Ohio. Overcoming Barriers to Malnutrition Among Hemodialysis Patients. (Principal Investigator, total $20,000)

1998-2001 National Institutes of Health (NIDDK). R01 DK51472. Overcoming Barriers to Adequate Delivery of Dialysis (Principal Investigator,

50% effort, total direct costs $652,000)

1998-2003 National Institutes of Health (NIDDK). DK51478. Case Western Reserve University O'Brien Renal Research Center. (Co-investigator, 10% effort, total direct costs $2,849,000, PI- J. Sedor)

1998-2003 National Institutes of Health (NIDDK). DK64644. Genetic Susceptibility to End Stage Renal Disease. (Co-investigator, 10% effort, total direct costs $869,000, PI- S. Iyengar).

1999-2003 National Institutes of Health (NIDDK). DK57329. Genetic Regulation of Renal Disease Progression. (Co-investigator, 10% effort, total direct costs $1,928,000, PI- J. Sedor).

2000-2003 National Institutes of Health (NIDDK). DK58982. Vascular Access Clinical Trials Data Coordinating Center. (Co-investigator, 7.2% effort, total direct costs $2,325,000, PI- G. Beck)

2000-2005 National Institutes of Health (NIAID). AI05410. Immunologic Monitoring of Renal Allograft Recipients. (Co-investigator, 5% effort, total direct costs $1,770,000, PI- P. Heeger)

2001-2004 American Heart Association. Prognostic significance of ambulatory blood pressure monitoring in hemodialysis patients - a prospective study. (Co-investigator, 5% effort donated, total costs $260,000)

2001-2008 National Institutes of Health (NIDDK). DK61021. Cohort Study of Chronic Renal Insufficiency (Co-Investigator, 15% effort, total direct costs $3,333,000, PI- J. Wright)

2002-2007 National Institutes of Health (NIDDK). DK51472. Overcoming Nutritional Barriers in Hemodialysis Patients (Principal Investigator, 35% effort, total direct costs $1,514,000)

2004-2005 Mt. Sinai and St. Luke's Foundations. Lecture series on health disparities. (Co-sponsor, 2% effort donated, total costs $67,000).

2004-2005 Centers for Medicare and Medicaid Services. Development of Kidney Transplant Referral Measures. (Clinical Coordinator, 12% effort, total costs $348,000).

2004-2007 Office of Minority Health, Department of Health and Human Services. Improving access to HIV/AIDS services among Hispanics (Mas Vida). (Program Evaluator, 5% effort, total costs $450,000).

PEER-REVIEWED ARTICLES (STUDENTS / TRAINEES UNDERLINED)

1. 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.

2. 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.

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

4. 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.

5. Sehgal A, O'Rourke S, Snyder C. Patient assessments of adequacy of dialysis and protein nutrition. American Journal of Kidney Diseases. 1997;30:514-520.

6. 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.

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

8. 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.

9. Sehgal A, Leon J, Soinski J. Barriers to adequate protein nutrition among hemodialysis patients. Journal of Renal Nutrition. 1998;8:179-187.

10. Ohri-Vachaspati P, Sehgal A. Quality of life implications of inadequate protein nutrition among hemodialysis patients. Journal of Renal Nutrition. 1999;9:9-13.

11. 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.

12. Ohri-Vachaspati P, Sehgal AR. Correlates of poor appetite among hemodialysis patients. Journal of Renal Nutrition. 1999; 9:182-185.

13. Schelling JR, Zarif L, Sehgal A, Iyengar S, Sedor JR. Genetic susceptibility to end-stage renal disease. Current Opinion in Nephrology and Hypertension. 1999;8:465-472.

14. Sehgal AR. Outcomes of renal replacement therapy among blacks and women. American Journal of Kidney Diseases. 2000;35:S148-S152.

15. Gordon EJ, Sehgal AR. Patient-nephrologist discussions about kidney transplantation as a treatment option. Advances in Renal Replacement Therapy. 2000;7:177-183.

16. Rahman M, Fu P, Sehgal AR, Smith MC. Interdialytic weight gain, compliance with dialysis regimen and age are independent predictors of blood pressure in hemodialysis patients. American Journal of Kidney Diseases. 2000;35:257-265.

17. Sehgal AR, Silver MR, Covinsky KE, Coffin R, Cain JA. Use of standardized ratios to examine variability in hemodialysis vascular access across facilities. American Journal of Kidney Diseases. 2000;35:275-281.

18. Wenger NS, Lynn J, Oye R, Liu H, Teno JM, Phillips RS, Desbiens N, Sehgal A, Kussin P, Taub H, Harrell F, Knaus W. Withholding versus withdrawing life-sustaining treatment: patient factors and documentation associated with dialysis decisions. Journal of the American Geriatrics Society. 2000;48:S75-S83.

19. Sehgal AR, Coffin R, Cain JA. Use of transplant status codes to monitor access to kidney transplantation. Advances in Renal Replacement Therapy. 2000;7:S40-S44.

20. Landers SH, Sehgal AR. How do physicians lobby their members of Congress? Archives of Internal Medicine. 2000;160:3248-3251.

21. Zarif L, Covic A, Iyengar S, Sehgal AR, Sedor JR, Schelling JR. Inaccuracy of clinical phenotyping parameters for hypertensive nephrosclerosis. Nephrology, Dialysis, and Transplantation. 2000;15:1801-1807.

22. Alexander CA, Sehgal AR. Why hemodialysis patients fail to complete the transplant process. American Journal of Kidney Diseases. 2001;37:321-328.

23. 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.

24. Covic AMC, Iyengar SK, Olson J, Sehgal AR, Jedrey C, Kara M, Sabbagh E, Sedor JR, Schelling JR. A family-based strategy to identify genes for diabetic nephropathy. American Journal of Kidney Diseases. 2001;37:638-647.

25. Sehgal AR, Dor A, Tsai AC. Morbidity and cost implications of inadequate hemodialysis. American Journal of Kidney Diseases. 2001;37:1223-1231.

26. Leon JB, Sehgal AR. Identifying patients at risk for hemodialysis underprescription. American Journal of Nephrology. 2001;21:200-207.

27. Covinsky KE, Eng C, Lui LY, Sands LP, Sehgal AR, Walter LC, Wieland D, Eleazer GP, Yaffe K. Reduced employment in caregivers of frail elders: Impact of ethnicity, patient clinical characteristics, and caregiver characteristics. Journal of Gerontology. 2001;56:M707-M713.

28. 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.

29. Covinsky KE, Covinsky MH, Palmer RM, Sehgal AR. Serum albumin concentration and clinical assessments of nutritional status in hospitalized older people: Different sides of different coins? Journal of the American Geriatrics Society. 2002;50:631-637.

30. Sehgal AR. Improving hemodialysis patient outcomes: A step-by-step approach. Seminars in Dialysis. 2002;15:35-37.

31. Sehgal AR. What is the best treatment for end stage renal disease? American Journal of Medicine. 2002;112:735-736.

32. 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.

33. Tsai AC, Lurie P, Sehgal AR. An outbreak of Internet ciprofloxacin sales following an outbreak of anthrax. American Journal of Medicine. 2002;113:424-427.

34. O'Connor A, Leon JB, Sehgal AR. The relative predictive ability of four different measures of hemodialysis dose. American Journal of Kidney Diseases. 2002;40:1289-1294.

35. 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.

36. 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.

37. 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.

38. Flauto R, Leon JB, Sehgal AR. The provision and outcomes of diabetic care of hemodialysis patients. American Journal of Kidney Diseases. 2003;41:125-131.

39. Zimmerer JL, Leon JB, Covinsky KE, Desai U, Sehgal AR. Diet monotony as a correlate of poor nutritional intake among hemodialysis patients. Journal of Renal Nutrition. 2003;13:72-77.

40. Gordon EJ, Leon JB, Sehgal AR. Why are hemodialysis treatments shortened and skipped? Development of a taxonomy and relationship to patient subgroups. Nephrology Nursing Journal. 2003;30:209-217.

41. Sehgal AR. The incremental cost of providing adequate hemodialysis. Dialysis and Transplantation. 2003;32:526-534.

42. O'Connor A, Flauto R, Sehgal AR. Improving the accuracy of Kt/V measurement. Dialysis and Transplantation. 2003;32:590-595.

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

44. Landers S, Sehgal AR. Health care lobbying in the United States. American Journal of Medicine. 2004;116:474-477.

45. Sehgal AR. Improving the health outcomes of diabetic dialysis patients. Seminars in Dialysis. 2004;17:188-190.

46. Sehgal AR. Overlap between whites and blacks in response to antihypertensive drugs. Hypertension. 2004;43:566-572.

47. Sehgal AR. The net transfer of transplant organs across race, sex, age, and income. American Journal of Medicine. 2004;117:670-675.

48. 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.

49. Steiber AL, Kalantar-Zadeh K, Secker D, McCarthy M, Sehgal AR, McCann L. Subjective Global Assessment in chronic kidney disease: a review. Journal of Renal Nutrition. 2004;14:220-225.

50. Agarwal JR, Huebner J, Hedgecock J, Sehgal AR, Jung P, Simon SR. Medical students' knowledge of the U.S. health care system and their preferences for curricular change. Academic Medicine. 2005;80:484-488.

51. Gordon EJ, Prohaska T, Siminoff LA, Minich PJ, Sehgal AR. Needed: tailored exercise regimens for kidney transplant recipients. American Journal of Kidney Diseases. 2005;45:769-774.

52. Gordon EJ, Prohaska T, Siminoff LA, Minich PJ, Sehgal AR. Can focusing on self-care reduce disparities in kidney transplant outcomes? American Journal of Kidney Diseases. 2005;45:935-940.

53. Constantiner M, Sehgal AR, Humbert L, Constantiner D, Arce L, Sedor JR, Schelling JR. A dipstick protein and specific gravity algorithm accurately predicts pathologic proteinuria. American Journal of Kidney Diseases. 2005;45:833-841.

54. Mentari EK, DeOreo PB, O'Connor AS, Love TE, Ricanati ES, Sehgal AR. Changes in Medicare reimbursement and patient-nephrologist visits, quality of care, and health-related quality of life. American Journal of Kidney Diseases. 2005;46:621-627.

55. O'Connor AS, Wish JB, Sehgal AR. The morbidity and cost implications of hemodialysis clinical performance measures. Hemodialysis International. 2005;9:349-361.

56. Ohlrich H, Leon JB, Zimmerer J, Sehgal AR. The impact of Super Bowl parties on nutritional parameters among hemodialysis patients. Journal of Renal Nutrition. 2006;16:63-66.

57. Soudan K, Ricanati ES, Leon JB, Sehgal AR. Determinants of metabolic acidosis among hemodialysis patients. Hemodialysis International. 2006;10:209-214.

58. 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.

59. Huebner J, Agarwal JR, Sehgal AR, Jung P, Hedgecock J, Simon SR. Universal health care and reform of the health care system: views of medical students in the United States. Academic Medicine. 2006;81:721-727.

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

61. Iyengar SK, Abboud HE, Goddard K, Saad MF, Adler SG, Arar NH, Bowden DW, Duggirala R, Elston RC, Hanson RL, Ipp E, Kao WH, Kimmel PL, Klag MJ, Knowler WC, Meoni LA, Nelson RG, Nicholas SB, Pahl MV, Parekh RS, Quade S, Rasooly RS, Rich, SS, Rotter JI, Scavini M, Schelling JR, Sedor JR, Sehgal AR, Shah VO, Smith MW, Taylor KD, Winkler CA, Zager PG, Friedman BI. Genome-wide scans for diabetic nephropathy and albuminuria in multi-ethnic populations: the family investigation of nephropathy and diabetes. Diabetes. In press.

62. Butt S, Leon JB, David CL, Chang H, Sidhu S, Sehgal AR. The prevalence and nutritional implications of fast food consumption among hemodialysis patients. Journal of Renal Nutrition. In press.

63. Steiber A, Leon J, Secker D, McCarthy M, McCann L, Serra M, Sehgal A, Kalantar-Zadeh K. A multicenter study of the validity and reliability of subjective global assessment in the hemodialysis population. Journal of Renal Nutrition. In press.

64. Sullivan CM, Leon JB, Sehgal AR. Phosphorus containing food additives and the accuracy of nutrient databases: Implications for renal patients. Journal of Renal Nutrition. In press.

NON-PEER REVIEWED ARTICLES

1. Sehgal A, Rennie D, Showstack J, Amend W, Lo B. End stage renal disease in the elderly. Commissioned paper for the Institute of Medicine, May 1990.

2. Sehgal A. Sellers and losers. Frontline magazine (India). November 8, 2002. Pages 81-82.

BOOK CHAPTERS

1. Sehgal AR. Hepatitis-associated glomerulonephritis. In: Hricik DE, Sedor JR, Ganz MB, editors. Nephrology Secrets. Philadelphia: Hanley and Belfus; 1999.

2. Sehgal AR. End stage renal disease epidemiology and outcomes. In: Hricik DE, Sedor JR, Ganz MB, editors. Nephrology Secrets. Philadelphia: Hanley and Belfus; 1999.

3. Sehgal AR. Nutrition in dialysis patients. In: Hricik DE, Sedor JR, Miller T, editors. Nephrology Secrets. Philadelphia: Hanley and Belfus; 2003.

4. Sehgal AR. Hepatitis-associated glomerulonephritis. In: Hricik DE, Sedor JR, Miller T, editors. Nephrology Secrets. Philadelphia: Hanley and Belfus; 2003.

5. Sehgal AR. End stage renal disease epidemiology and outcomes. In: Hricik DE, Sedor JR, Miller T, editors. Nephrology Secrets. Philadelphia: Hanley and Belfus; 2003.

ORAL PRESENTATIONS

1. "Renal Failure in AIDS." Massachusetts General Hospital, Boston, Massachusetts, April 15, 1989.

2. "How strictly do dialysis patients want their advance directives followed?" Robert Wood Johnson Foundation National Meeting. Fort Lauderdale, Florida. October 19, 1991.

3. Interviewed by Cable News Network (CNN) for story on advance directives and the Patient Self-Determination Act. February 9, 1992.

4. "The changing end stage renal disease population -- ethics and economics." TransPacific Renal Network Annual Meeting. San Francisco, California. March 13, 1992.

5. "Decision making for mentally incompetent patients." California Dialysis Council, San Diego, California. May 15, 1993.

6. "Advance directives and withdrawal of dialysis in the United States, Germany, and Japan." Ruhr University, Bochum, Germany. March 15, 1994.

7. "Mental impairment among hemodialysis patients." Alzheimer Center, Case Western Reserve University. May 12, 1994.

8. "Advance directives." Medical Grand Rounds, MetroHealth Medical Center, Cleveland, Ohio. May 11, 1995.

9. "Monitoring quality of care after certificate of need expiration." Ohio Renal Association Annual Conference, Columbus, Ohio. October 13, 1995

10. "The prevalence, recognition, and implications of mental impairment among hemodialysis patients." Centers for Dialysis Care annual medical staff meeting, Cleveland, Ohio. February 29, 1996.

11. "Understanding your facility's indicators." Interactive Core Indicator Workshop Program, Tri State Renal Network, Indianapolis, Indiana. June 12, 1996. (also repeated

in Cleveland, Ohio on June 19, 1996, Springfield, Illinois on November 21, 1996, and Chicago, Illinois on November 22, 1996)

12. "Barriers to adequate delivery of dialysis and protein nutrition." Kidney Foundation of Ohio's 21st Annual Renal Symposium, Cuyahoga Falls, Ohio. October 4, 1996.

13. "Quality improvement project: Adequacy of dialysis." Joint Health Care Financing Administration/Forum of ESRD Networks meeting, New Orleans, Louisiana. October 31, 1996.

14. "Barriers to adequate delivery of dialysis and protein nutrition." Nephrology/Hypertension Grand Rounds, Cleveland Clinic, Cleveland, Ohio. January 17, 1997.

15. "Barriers to adequate delivery of dialysis." Cleveland Clinic Nephrology Update 1997, Cleveland, Ohio. March 18, 1997.

16. "Adequacy intervention workshop." The Renal Network, Chicago, Illinois. June 18, 1997.

17. "Barriers to quality of care among dialysis patients." Centers for Dialysis Care, Cleveland, Ohio. March 20, 1998.

18. "Barriers to adequate dialysis and nutrition." Nephrology Grand Rounds, Vanderbilt University, Nashville, Tennessee. May 7, 1998.

19. "Racial differences in access to renal transplantation." Symposium on Racial Differences in Health Status, Access, and Outcomes, Case Western Reserve University, Cleveland, Ohio. June 4, 1998.

20. "Barriers to cadaveric renal transplantation among blacks, women, and the poor." American Society of Nephrology, Philadelphia, Pennsylvania. October 25, 1998. (also repeated at the University of Iowa, Iowa Cita, Iowa on November 30, 1998 and the University of California, Los Angeles, California on April 12, 1999).

21. Interviewed by television, radio, and newspaper reporters about article on barriers to cadaveric renal transplantation. Total of 21 interviews including Cleveland Channel 5 news, National Public Radio, USA Today, US News and World Report, Associated Press, Cleveland Plain Dealer. October 1998 to March 1999.

22. "Catheter use -- Lessons from Network 9 and 10." Renal Physicians Association Annual Meeting, Washington, DC. March 8, 1999.

23. "Women's access to transplantation." Women and Renal Disease Conference, National Institutes of Health, Bethesda, Maryland. September 16, 1999.

24. "Barriers to transplantation." Kidney Foundation of Ohio's 24th Annual Renal Symposium, Westlake, Ohio. September 24, 1999.

25. "Identifying patients at risk for hemodialysis underprescription." American Society of Nephrology, Miami Beach, Florida. November 6, 1999.

26. "Outcomes, Epidemiology, Clinical Trials, Health Services Research." Moderator, American Society of Nephrology, Miami Beach, Florida. November 7, 1999.

27. "Improving hemodialysis patient outcomes." Renal Conference, Hennepin County Medical Center, University of Minnesota, Minneapolis, Minnesota. December 3, 1999.

28. "How do physisicians advocate for legislative change?" Renal Physicians Association Annual Meeting, Washington, DC. March 27, 2000.

29. "Activist-oriented research and teaching." Society of General Internal Medicine, Boston, Massachusetts. May 6, 2000.

30. "Starting out, overcoming barriers, and moving up." Conference on Preparing for a Research Career in Clinical Nephrology, National Institutes of Health, Bethesda, Maryland. September 9, 2000.

31. "Effects of race, age, and gender on access to transplantation." American Society of Nephrology, Toronto, Canada. October 14, 2000.

32. "Can a nutrition intervention improve albumin levels among hemodialysis patients? A pilot study." American Society of Nephrology, Toronto, Canada. October 15, 2000.

33. Interviewed by National Public Radio and two newspapers (Crain's Cleveland Business, Modern Healthcare) about article on how physicians lobby members of Congress. November 2000.

34. "Overcoming barriers to adequate hemodialysis." Nephrology/Hypertension Grand Rounds, Cleveland Clinic, Cleveland, Ohio. February 16, 2001.

35. "Overcoming barriers to adequate hemodialysis and protein nutrition." Northeast Ohio Council of Renal Nutrition, Cleveland, Ohio. May 17, 2001.

36. "Overcoming barriers to adequate hemodialysis." Renal Care Group Annual Meeting, New Orleans, Louisiana. May 19, 2001.

37. "Improving the quality of hemodialysis treatment." Renal Grand Rounds, University of California, San Francisco, California. October 10, 2001.

38. "Overcoming barriers to adequate hemodialysis." Centers for Dialysis Care, Cleveland, Ohio. February 14, 2002. Repeated on February 21, 2002.

39. "Overcoming barriers to adequate hemodialysis." Kidney Disease Program, University of Louisville, Louisville, Kentucky. March 22, 2002.

40. "How to be a medical activist." Public Health Capstone Seminar, Masters in Public Health Program, Case Western Reserve University, Cleveland, Ohio. October 7, 2002.

41. Interviewed by National Public Radio, Washington Post, German public radio about article on economic and health consequences of selling a kidney. October-December, 2002.

42. "Improving the quality of hemodialysis treatment." Brigham and Women's Hospital, Boston, Massachusetts. October 24, 2002.

43. Interviewed by local newspaper (Crain's Cleveland Business) about article on health challenges facing northeast Ohio. December 2002.

44. Interviewed by Associated Press and Reuters about article on impact of quality improvement efforts on race and gender disparities. February 2003.

45. "Understanding and improving the nutritional status of hemodialysis patients." Central Ohio Council on Renal Nutrition, Columbus, Ohio. October 7, 2003.

46. "Ohio Renal Dietitian Practice-Based Research Network." Northwest Ohio Renal Dietitians Group, Toledo, Ohio. January 22, 2004.

47. Participated in hour long discussion about health disparities on WCPN (local National Public Radio affiliate). February 16, 2004.

48. Interviewed by Reuters, Wall Street Journal, British Medical Journal, Medical Post, American Medical News, and TheHeart.org about article on racial differences in response to antihypertensive medication. February 2004.

49. “Understanding and Reducing Health Disparities.” Cardiology Grand Rounds. MetroHealth Medical Center, Cleveland, Ohio. May 25, 2004.

50. “Health Disparities.” National Democratic Party Platform Committee. Cleveland, Ohio. July 1, 2004.

51. “Health Disparities in Northeast Ohio.” National League of Cities Meeting, Cleveland, Ohio. August 20, 2004.

52. Interviewed by ACP Observer about race and medical research. September 21, 2004.

53. "Job satisfaction among dialysis nurses and technicians." Kidney Foundation of Ohio Annual Symposium, Westlake, Ohio. September 20, 2004.

54. "How renal dietitians can be involved in research." Renal Care Group North Central Division Registered Dietitians' Fourth Annual Meeting, North Olmsted, Ohio. September 28, 2004.

55. "Health disparities in nephrology." Nephrology/Hypertension Grand Rounds, Cleveland Clinic, Cleveland, Ohio. October 8, 2004.

56. "Teaching students to be health activists." American Public Health Association, Washington, DC. November 9, 2004.

57. "Funding needs in health disparities." Ohio Grantmakers Forum, Cleveland, Ohio. November 19, 2004.

58. Interviewed by Cleveland Plain Dealer, Columbus Dispatch, Greenwich Times, and Syracuse Post Standard about article on allocation of organ transplants. December 2004.

59. "Improving quality and reducing disparities in renal disease." Robert Wood Johnson Foundation Conference on Disparities and Quality of Care, Washington, DC. March 10, 2005.

60. "Health Disparities: Research Needs." Congressional Black Caucus, Cleveland, Ohio. July 16, 2005.

61. Interviewed by Cleveland Call and Post newspaper about health disparities. July 18, 2005.

62. Interviewed by Cleveland Plain Dealer newspaper about cardiovascular health disparities. August 15, 2005.

63. Interviewed by USA Today newspaper about renal health disparities. September 19, 2005.

64. "Kidney transplant referral measures." Renal Network of the Upper Midwest Annual Conference, Detroit, Michigan. October 7, 2005.

65. Interviewed by Northern Ohio Live magazine about health disparities. October 26, 2005.

66. "Access to kidney transplantation." Fresenius Medical Directors Symposium, Chicago, Illinois. November 3, 2005.

67. Interviewed by local newspaper (Crain's Cleveland Business) about article on poverty and health care. November 14, 2005.

68. Interviewed by Newsweek magazine about organ transplantation disparities. November 17, 2005.

69. Interviewed by local radio station (WTAM) about cardiovascular disease among women. February 2, 2006.

70. Interviewed by local television station (WEWS) about American Heart Association's Go Red for Women campaign. February 3, 2006.

71. "Health disparities in Cleveland." Leadership Cleveland Conference, Cleveland, Ohio. February 17, 2006.

72. Interviewed by local newspaper (Plain Dealer) about disparities in quality of health care. March 15, 2006.

73. Participated in one hour radio program (WMJO 1490) about Minority Health Month, Cleveland, Ohio. April 3, 2006.

74. Interviewed by Cleveland Plain Dealer newspaper about organ transplantation disparities. April 12, 2006.

75. "What providers can do to reduce health disparities." Association of Indian Physicians of Northern Ohio, Cleveland, Ohio. May 31, 2006.

76. Interviewed by Akron Beacon Journal newspaper about HIV/AIDS disparities. June 13, 2006.

77. “Access to Kidney Transplantation.” Keynote Speaker, Annual Investigators Meeting on Organ Donation Among Minorities, National Institutes of Health, Kapalua, Maui, Hawaii. March 1, 2007.

78. Participated in one hour radio program (WERE 1300) about National Public Health Week, Cleveland, Ohio. April 6, 2007.

TEACHING ACTIVITIES

11/93	Faculty advisor for first year medical student (Iwen Wang) for exposure to clinical medicine elective.
3/16/94	Lecture on questionnaire design for graduate course (EPBI 463, Survey Design and Data Collection Methods in Health Research), Case Western Reserve University.
4/94	Section leader, Fundamentals of Medical Decision Making (second year medical student course), Case Western Reserve University.
6/94-8/94	Faculty advisor for college student (Shane LeBeau) in Chester Summer Scholars Program, MetroHealth Medical Center (led to one publication).
9/94-1/96	Faculty advisor for third year German medical student (Christian Weisheit) and second year medical resident (Martin Butzlaff) for research on advance directives (led to one publication)
10/95	Faculty advisor for three medical ethics graduate students for elective on ethical issues in dialysis (Jennifer Care, Ruth Farrell, Bonnie Lusardo).
10/95	Faculty advisor for second year medical student (Caleb Alexander) for elective on dialysis and quality of care.
11/96-5/98	Faculty advisor for second year medical student (Caleb Alexander) for research elective (led to two publications).
2/97-4/97	Faculty advisor for one first year medical student (Robyn Strosaker) and three graduate students (Colleen Ciulla, MBA at Cleveland State University; Chantal Dothey, PhD student in nutrition; Siran Koroukian, PhD student in Epidemiology and Biostatistics) for medical school course (EPBI 468, The Continual Improvement of Health Care).
1/97-6/97	Faculty advisor for health services research graduate student (Greg Kirkner).
1/97-3/99	PhD advisor for medical anthropology graduate student (Elisa Gordon). Patients' and Clinicians' Decision Making for Treatment of End Stage Renal Disease in the United States (led to one publication).
9/97-6/01	PhD advisor for health services research graduate student (Rachel Jean-Baptiste).
12/97-1/98	Small group leader, Homeostasis I Renal Committee (first year medical

student physiology course), Case Western Reserve University.

6/98-8/98 Faculty advisor for college student (Saud Butt) in Chester Summer Scholars Program, MetroHealth Medical Center

6/98-5/00 PhD advisor for epidemiology graduate student (Leo Russo). Outcomes of Acute Renal Failure Among Older Americans.

11/12/98 Lecture on health services research for graduate course (EPBI 4003, Health Services in the US), Case Western Reserve University.

12/98-1/99 Small group leader, Homeostasis I Renal Committee (first year medical student physiology course), Case Western Reserve University.

2/99-3/99 Organized and taught Activism and Medicine, an elective for 25 first and second year medical students, Case Western Reserve University. Course was reported on by the Cleveland Free Times newspaper in a full length article entitled "Activism 101."

10/99-11/99 Organized and taught Activism and Medicine, an elective for 15 first and second year medical students, Case Western Reserve University (led to one publication).

1/28/00 Lecture on ethical issues in End Stage Renal Disease for Homeostasis I Renal Committee (first year medical student physiology course, Case Western Reserve University.

3/00-6/03 PhD advisor for nutrition graduate student (Laura Harkness). Effects of Soy Phytoestrogen and Calcium Supplementation on Bone Turnover in Postmenopausal Women (led to one publication).

10/00-12/00 Organized and taught Activism and Medicine, an elective for 15 first and second year medical students, Case Western Reserve University.

2/5/01 Lecture on ethical issues in End Stage Renal Disease for Homeostasis I Renal Committee (first year medical student physiology course, Case Western Reserve University.

5/01-6/03 Masters advisor for epidemiology graduate student and nephrology fellow (Andrew O'Connor). Led to two publications.

9/01-12/01 Research advisor for nephrology fellow (Michael Patterson).

10/01-12/01 Organized and taught Activism and Medicine, an elective for 15 first and second year medical students, Case Western Reserve University (led to

one publication).

1/02	Lecture on ethical issues in End Stage Renal Disease for Homeostasis I Renal Committee (first year medical student physiology course, Case Western Reserve University.
1/02-3/02	Research advisor for nephrology fellow (Ronald Flauto). Led to one publication.
1/02-8/02	Masters advisor for public health graduate student (Seena Perumal). Led to one publication.
1/02-4/02	Faculty advisor for fourth year medical student (Scott Sanoff) for primary care track project on gifts from pharmaceutical companies.
4/02-7/02	Research advisor for nephrology fellow (Eva Lee).
5/02-6/02	Faculty advisor for undergraduate student (Kristen Paccione) for project on dietary intake among hemodialysis patients.
11/02-12/02	Organized and taught Activism and Medicine, an elective for 15 first and second year medical students, Case Western Reserve University (led to two publications).
1/03	Lecture on ethical issues in End Stage Renal Disease for Homeostasis I Renal Committee (first year medical student physiology course, Case Western Reserve University.
5/03-9/03	Research advisor for high school student (Henry Chang).
5/03-9/03	Research advisor for high school student (Shweta Suresh).
7/03-6/04	Research advisor for medical resident (Khal Saldoun). Led to one publication.
9/03-	Research advisor for medical resident (Paul Drawz).
9/03-6/04	Research advisor for nutrition intern (Carol David).
1/28/04	Lecture on ethical issues in End Stage Renal Disease for Homeostasis I Renal Committee (first year medical student physiology course, Case Western Reserve University.
8/04-6/06	Masters advisor for epidemiology graduate student and nephrology fellow (Evelyn Mentari). Led to one publication.

8/6/04	Small group facilitator, Beginning exercise (develop code of contact), first year medical students, Case Western Reserve University.
8/04-11/04	Organized and taught Health Disparities (EPBI 510) for 25 graduate students, Case Western Reserve University.
2004-2005	Organized lecture series on health disparities for Cleveland community. Seven national speakers over one year period.
12/3/04	Lecture on process of research discovery for 32 first year medical students, Cleveland Clinic Lerner College of Medicine, Case Western Reserve University.
1/4/05	Health disparities module for 100 first year medical students, Case Western Reserve University.
2/24/05	Lecture on empirical ethics for 25 graduate students (BETH 402), Case Western Reserve University.
2/21/06	Lecture on empirical ethics for 25 graduate students (BETH 402), Case Western Reserve University.
3/22/06	Lecture on health disparities for 25 undergraduate and graduate students (BETH 418), Case Western Reserve University.
1/06-5/06	Health disparities independent study advisor for biomedical ethics graduate student (Mary Manson).
8/06-12/06	Co-Director of Health Disparities (EPBI 510) for 25 graduate students, Case Western Reserve University.

CLINICAL ACTIVITIES

1993-	Attending, Hemodialysis Unit, MetroHealth Medical Center (1 month per year)
1993-	Attending, Renal Consult Service, MetroHealth Medical Center (1-2 months per year)

OTHER PROFESSIONAL ACTIVITIES

1990-	Reviewer for New England Journal of Medicine, Journal of the American Medical Association, Western Journal of Medicine, American Journal of Kidney Diseases, Medical Care, American Journal of Medicine, American Society of Nephrology, Annals of Internal Medicine, Medical Decision Making, Journal of Renal Nutrition.
1993	Ad Hoc Committee to Examine Bioethical Issues Related to End Stage Renal Disease, National Institutes of Health.
1993-2001	Medical Review Board, Tri-State Renal Network.
1997-1998	Data Analysis Committee, Forum of End Stage Renal Disease Networks.
1997-2003	Institutional Review Board, MetroHealth Medical Center
1998	End Stage Renal Disease Research Advisory Panel, National Institutes of Health
1998-	Member, National Kidney Foundation
1998-2006	Medical Advisory Board, Kidney Foundation of Ohio.
1999	Health Care Technology and Decision Sciences Special Emphasis Panel, Agency for Health Care Policy and Research
5/11/99	Visiting Professor, Division of Geriatrics, University of California, San Francisco, California.
1999	Health Systems Research Study Section, Agency for Health Care Policy and Research
1999-	Editorial Board, Journal of Renal Nutrition
1999-2003	Clinical Practice Committee, Renal Physicians Association
12/2/99 - 12/3/99	Visiting Professor, Division of Nephrology, Hennepin County Medical Center, University of Minnesota, Minneapolis, Minnesota.
2000-2005	Medical Advisory Board, Minority Organ Tissue Transplant Education Program (MOTTEP), Cleveland, Ohio
2001-2005	Chairman, Data Subcommittee, The Renal Network (End Stage Renal Disease Networks 9 and 10), Indianapolis, Indiana

2001-2002	Jack Rutledge Fellowship Steering Committee, American Medical Student Association, Washington, DC
2001-	Data and Safety Monitoring Board, Clinical Trial of Homocysteine Lowering in Renal Transplant Recipients, National Institutes of Health, Bethesda, Maryland.
3/21/02 - 3/22/02	Visiting Professor, Division of Nephrology, University of Louisville, Louisville, Kentucky.
10/23/02 - 10/24/02	Visiting Professor, Department of Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts.
1/30/03 - 1/31/03	Panel Member, Re-engineering the Clinical Research Enterprise, National Institutes of Health.
2003-2004	Clinical Studies of Kidney Diseases Special Emphasis Panel, National Institutes of Health.
2003-2004	Committee on Appointments, Promotion, and Tenure, Department of Epidemiology and Biostatistics, Case Western Reserve University
2004-2006	Protocol Review Committee, General Clinical Research Center, MetroHealth Medical Center, Case Western Reserve University
2004	Diabetes, Kidney, and Infectious Diseases Special Emphasis Panel, National Institutes of Health.
7/6/04	Visiting Professor, University Renal Research and Education Association, University of Michigan, Ann Arbor, Michigan.
10/04	Grant Reviewer, Provider Disparities Initiative, Robert Wood Johnson Foundation, Princeton, New Jersey.
11/16/04	Visiting Professor, Division of General Internal Medicine, University of Chicago, Chicago, Illinois.
2005-	Vice-Chairperson, Medical Review Board, Tri-State Renal Network.

COMMUNITY ACTIVITIES

1993-1996	Member, Asian Indian Americans for Better Government, Cleveland, Ohio.
1993-1997	Faculty advisor, Case Western Reserve University Asian-American Medical Students Association.
1998-2002	Member, Advisory Board, Asian-Pacific American Medical Students Association (national organization).
2003-2005	Charter member, Toastmasters Club, MetroHealth Medical Center, Cleveland, Ohio.
2006-	Lifetime member, Association of Indian Physicians of Northern Ohio, Cleveland, Ohio.
2006-	Medical Advisory Board, LifeBanc (organ procurement organization) Cleveland, Ohio.
2006	Strategic Planning Board, AIDS Taskforce of Greater Cleveland, Cleveland, Ohio.
2007-	Board of Trustees, Cleveland Citizens Organized Against Lead, Cleveland, Ohio.
2007-	Board of Directors, Care Alliance (non-profit federally qualified health center), Cleveland, Ohio.