

Richard S. Muther, M. D.

CURRICULUM VITAE

BUSINESS ADDRESS: 6530 Troost Avenue
Kansas City, MO 64131

BUSINESS PHONE: (816) 361-0670

CURRENT POSITIONS

1980-Present Founding Partner
Kidney Associates of Kansas City
6530 Troost Avenue Kansas City, MO 64131

1985-Present Medical Director
Dialysis Clinics, Inc Kansas City, MO

1985-2011 Medical Director of Nephrology
Research Medical Center Kansas City, MO

EDUCATION

1967-1970 University of Kansas; B.A.

1972-1975 University of Kansas Medical Center; M. D.

1975-1976 University of Kansas Medical Center
Straight Medicine Internship

1976-1978 University of Kansas Medical Center
Residency in Internal Medicine

1978-1979 University of Oregon Health Sciences Center
Portland, Oregon; Nephrology Fellowship

APPOINTMENTS

1980 Consulting Nephrologist, King Faisal Specialist
Hospital and Research Center, Riyadh, Saudi Arabia

1980-Present Volunteer Faculty: Goppert Family Care: Family Practice Residency Program

1982-2002 Clinical Assistant Professor of Medicine
University of Kansas College of Health Sciences

1983-1987 Clinical Assistant Professor of Medicine
University of Missouri at Kansas City

1983-2002 Clinical Assistant Professor of Medicine
University of Oregon Health Sciences Center
Portland, Oregon

1985-1986 Director, Division of Nephrology, Department of Medicine
Truman Medical Center
University of Missouri at Kansas City

1985-2011 Medical Director, Nephrology
Research Medical Center
Kansas City, Missouri

1987-Present Clinical Associate Professor of Medicine
University of Missouri at Kansas City School of Medicine

1987-1989 Chairman, Department of Medicine
Saint Joseph Health Center, Kansas City, MO

1990-Present Volunteer Faculty: Kansas City College of Osteopathic Medicine

2003-Present Governing Board, Midwest Transplant Network

2011-2012 President, Governing Board, Midwest Transplant Network

COMMUNITY SERVICE

- 1985-1996 Samuel Rogers Health Center Kansas City, MO. Established and staffed a nephrology clinic for indigent patients.
- 1988 Director of Clinics, Kansas City Southwest Clinical Society
- 1990 President, Kansas City Southwest Clinical Society
- 2005-2014 Medical mission to Dominican Republic.
- 2002-Present Board of Directors, President, Midwest Transplant Network, Kansas City, Kansas
- 2001-2004 Clinical Practice Committee, American Society Nephrology

HONORS

- 1975 Alpha Omega Alpha
- 1977 Milton McGreevy Award; Most Outstanding Medical Resident
University of Kansas Medical Center
- 1982 Fellowship, American College of Physicians
- 1983 “Teacher of the Year”, Goppert Family Care Center
Baptist Medical Center, Kansas City, Missouri
- 1986 “Staff Physician of the Year”, Truman Medical Center
University of Missouri at Kansas City
- 2000 Distinguished Service Award, Kansas City Southwest Clinical Society
- 2006 Fellowship, American Society of Nephrology
- 2009 Exemplary Practice Award, Renal Physicians Association. (To Kidney Associates of Kansas City)
- 2009 The Frist Physician Humanitarian Award, Research Medical Center
- 2013 Suraj Ahuja MD Teacher of the Year Award, Research Family Medicine Residency Program

AWARDS / CLINICAL RESEARCH

- 1979 William H. Rorer, Inc.: Effects of Aspirin on Renal Function
- 2002-2006 Dialysis Clinics Inc.: Dialysis Risk Factor Intervention Trial: Multiple Risk Factor Reduction in Chronic Dialysis Patients.
- 2004-2006 Dialysis Clinics Inc.: Impact of N-Acetylcysteine and Isotonic Sodium Bicarbonate on Postoperative Acute Renal Failure in Patients Undergoing Cardiac Surgery
- 2010-2011 The Effect of Heparin on Hemodialyzer Utilization-A Pilot Study
- 2011-Present Safety and Effects of Supplementation with Ergocalciferol on Erythropoietin Dosing in Hemodialysis Patients. Sub-Investigator.
- 2011-Present Physiological Iron Maintenance in ESRD Subjects by Delivery of Soluble Ferric Pyrophosphate via Hemodialysis: The PRIME Study. Sub-Investigator
- 2013 A Therapeutic Equivalence Study Comparing the Efficacy and Safety of SQ Epoetin (Hospira) and Epoetin Alpha (Amgen) in Patients with Chronic Renal Failure Requiring Hemodialysis and Receiving Epoetin Maintenance Treatment.

PROFESSIONAL ORGANIZATIONS

Alpha Omega Alpha
Kansas City Southwest Clinical Society
Kansas City Society of Internists
Jackson County Medical Society
Missouri Medical Association
American College of Physicians-Fellow
American Federation for Clinical Research
American Society of Nephrology
International Society of Nephrology
National Kidney Foundation
Renal Physicians Association

MEDICAL LICENSURE

1975	State of Kansas (#016820)
1978	State of Oregon (#11111)
1980	State of Missouri (#R4A05)

CERTIFICATION

1978	American Board of Internal Medicine
1980	American Board of Internal Medicine-Nephrology
1987	American Board of Internal Medicine-Critical Care Medicine
1997, 2007	American Board of Internal Medicine-Critical Care Medicine Recertification

MEDICAL JOURNAL: PEER REVIEWER

Annals of Internal Medicine
Archives of Internal Medicine
American Journal of Kidney Disease
Kidney International

PUBLICATIONS

1. Muther RS, Bennett WM. Diagnosis and management of acute renal failure. Comprehensive Ther 5:12-19, 1979.
2. McCarron DA, Krutzik S, Barry JM, Muther RS, Bennett WM. Post-transplant hyperparathyroidism: Retained control by serum Ca⁺⁺. Proc Europ Dialysis Transpl Assoc 12:677-678, 1979.
3. McCarron DA, Krutzik S, Barry JM, Muther RS, Plant SB, Bennett WM. Vasodepressive effect of parathyroid hormone in post-transplant blood pressure regulation. Proc EDTA 16:679-680, 1979.
4. McCarron DA, Bennett WM, Muther RS, Krutzik S. Post-transplantation hyperparathyroidism: Demonstration of retained control of parathyroid function by serum ionized calcium. AM J Clin Nutrit 30:1536, 1980.
5. Muther RS, Bennett WM. Antibiotic concentration in renal cysts. Curr Chemother Infect Dis. ASM Publications, Washington D.C. 1980 pp. 581-583.
6. Muther RS, Bennett WM. Clearance of 5-fluorocytosine and amphotericin B by peritoneal dialysis. Proc Clin Dialysis Transpl Forum. 9:100-101, 1980.
7. Muther RS, Bennett WM. Effects of aspirin on glomerular filtration rate in normal humans. Ann Intern Med 92:386-387, 1980.
8. Bennett WM, Gloper TA, Muther RS, McCarron DA. Efficacy of minoxidil in the treatment of severe hypertension in systemic disorders. J Cardiovas Pharmacol 2:S142-S148, 1980.
9. Muther RS, Bennett WM. Peritoneal clearance of amphotericin B and 5 fluorocytosine. Wester J Med 133:157-160, 1980.
10. Bennett WM, Muther RS, Parker RA, Feig P, Morrison G, Gloper TA, Singer I. Drug therapy in renal failure: Dosing guidelines for adults. Ann Intern Med 93: 62-89, 206-325, 1980.
11. Muther RS, Barry JM, Bennett WM. Successful Cadaveric renal transplantations after donor treatment with DMSO. Transplantation 29:507, 1980.

12. Parker RA, Elliott WC, Muther RS, Golper TA, Barry JM, Henderson SC, Bennett WM. Percutaneous aspiration biopsy of renal allografts employing ultra-sound localization. Urology 15:534-535, 1980.
13. Muther RS, Bennett WM. Antibiotic concentrations in simple renal cysts. J Urol 124:596, 1980.
14. Muther RS, McCarron DA, Bennett WM. Renal manifestations of sarcoidosis. Arch Intern Med 141:643-654, 1981.
15. Muther RS, Bennett WM. Antibiotic concentrations in renal cysts. Proc. 11th Intnat. Congress Chemother and 19th Intersci Conf. Antimicrob Agents Chemother. Curr Chemother 1:581-582, 1980.
16. Muther RS, Bennett WM. Effects of dimethyl sulfoxide (DMSO) on renal function in man. JAMA 244:2081-2083, 1980.
17. Muther RS, McCarron DA, Bennett WM. Granulomatous sarcoid nephritis; A cause of multiple renal tubular abnormalities. Clin Nephrol 14:190-197, 1980.
18. Muther RS, Bennett WM. Drug therapy in renal failure. Comprehensive Ther 8 (5):44-57, 1982.
19. Muther RS, Krutzik S, Plant SB, McCarron DA. Ionized calcium and the In Vivo response of normal and hyperparathyroid glands to beta adrenergic agents (submitted for publication).
20. Muther RS, Potter D, Bennett WM. Effect of aspirin on glomerular filtration rate in normal humans: Role of sodium balance. Ann Intern Med 94:317-321, 1981.
21. Muther RS, McCarron DA, Bennett WM. Change in serum bicarbonate during acute EDTA infusions in post-transplant hyperparathyroidism. Nephron 30:36-38, 1982.
22. Bennett WM, Muther RS. Lack of nephrotoxicity of intravenous dimethyl sulfoxide. Clin Toxicol Pharmacol 18:615-18, 1981.
23. Muther RS, Bennett WM. Cyst fluid antibiotic concentrations in polycystic kidney disease: Differences in proximal and distal cyst permeability. Kidney Int 20 (4) 519:522, 1981.
24. McCarron DA, Muther RS, Lenfesty B, Bennett WM. Parathyroid Hormone: A determinant of post-transplant BP regulation. American Journal of Kidney Disease 1:38-94, 1981.
25. Mc Carron DA, Muther RS, Lenfesty B, Bennett WM. Parathyroid function in persistent hyperparathyroidism: Relationship to gland size. Kidney Int 22:662-670, 1982.
26. Bennett WM, Bristol T, Weaver WJ, Muther RS. Lack of nephrotoxicity of DMSO in man and laboratory animals. Ann N.Y. ACAD Sci 411-43-47, 1983.

27. Muther RS. Drug interference with renal function tests. Am Jour Kidney Dis 3:118-120, 1983.
28. Pulliam JP, Mundis RJ, Muther RS. Piroxicam (Feldene) predisposes to chemotherapy induced acute uric acid nephropathy. Arthritis and Rheumatism 27 (1): 116-117, 1984.
29. Reid GM, Muther RS. Nitroprusside-induced acute azotemia. Am J Nephrology 7:313-315, 1987.
30. Nelson PW, Muther RS, Reid GM, Vandeputte K, Cross DE. Transplantation of an ABO: A2 kidney into an ABO:O HLA identical living related recipient.
31. Muther RS, Murray M, Bennett WM. Assessing university of Nephrology training as preparation for community consultative practice. Academic Medicine 1989; 64:677-680.
32. Muther RS, Parker T, Emmot B, Dickmeyer J. Can Disease Management Improve Vascular Access Outcomes in Hemodialysis Patients? Nephrology, Dialysis and Transplant December 2000.
33. Manley HJ, Drayer DK, McClaren M, Bender W, Muther RS. Medication Record Discrepancies in an Outpatient Medical Record: Frequency, Type and Potential Impact on Patient Care at an Hemodialysis Clinic. Pharmacotherapy 2003;23:231-239
34. Manley HJ, McClaren ML, Overbay DK, Wright MA, Reid GM, Bender WL, Neufeld TK, Hebbar S, Muther RS. Factors Associated with Medication-Related Problems in Ambulatory Hemodialysis Patients. Am J Kidney Disease 2003;41:386-393
35. Manley HJ, Drayer DK, Muther RS. Medication-Related Problem Type and Appearance Rate in Ambulatory Hemodialysis Patients. BMC Nephrology 2003;4:10
35. Manley HJ, Overbay DK, Muther RS, Reid GM, Bender WL, Neufeld TK, Hebbar S. A Multidisciplinary Approach to Cardiovascular Morbidity and Mortality in Ambulatory Hemodialysis Patients: Dialysis Risk Factor Intervention Trial (DRFIT).

CHAPTERS

1. Muther RS, Bennett WM. Drug metabolism in renal failure. In Contemporary Issues in Nephrology: Chronic Renal Failure, edited by B.M. Brenner and J.H. Stein, Churchill Livingstone, 1981.
2. Bennett WM, Wikre CG, Muther RS. Movement of organic molecules into cysts. In Chronic Renal Disease, edited by N. Cummings and S. Klar, Plenum, New York, p. 89-93, 1985.

3. Muther RS, Reid GM, Bennett WM. Treatment of Hypertension in Patients with Renal Disease in The Kidney and Hypertension, edited by Kaplan NM, Brenner BM and Laragh JH; Raven Press, 1987.
4. Muther RS. Acute renal failure in the critical care unit - In Critical Care Medicine Review for Internal Medicine Based Intensivists, edited by R. W. Taylor and R. P. Dellinger. Society of Critical Care Medicine, 1989.
5. Muther RS, Acute Renal Failure: Acute Azotemia in the Critically Ill, in Critical Care, edited by Civetta JM, Taylor RW and Kirby RR: J.B. Lippincott, 2nd Edition, 1992.
6. Reid GM and Muther RS. Chronic Renal Failure in Critical Care, edited by Civetta JM, Taylor RW, and Kirby RR; J. B. Lippincott, 2nd Edition, 1992.
7. Muther RS, Acute Renal Failure. In Critical Care , ed. By Civetta JM, Taylor RW and Kirby RR. J. B. Lippincott, 3rd Edition, 1997.
8. Hebbbar S and Muther RS. Renal Replacement Therapies. In Critical Care ed. By Civetta JM, Taylor RW and Kirby RR. Third edition. Lippincott-Raven, 1997.
9. Reid GM and Muther RS. Chronic Renal Failure. In Critical Care, ed. by Civetta JM, Taylor RW, Kirby RR. Third edition. Lippincott-Raven, 1997.

BOOKS

1. Muther RS, Barry JM and Bennett WM. Manual of Nephrology B.C. Decker , 1990

LETTERS

1. Muther RS, Porter GA, Bennett WM. Effects of aspirin on renal function. Ann Intern Med 90:274-275, 1979.
2. Muther RS, Bennett WM. A case of three kidneys. Nephron 26:101, 1980.
3. Muther RS, Bennett WM. Effects of aspirin on glomerular filtration rate. Relation to sodium balance. Nephron 28:100, 1981.

INVITED PRESENTATIONS

1. Missouri Society of Medical Technologists, Kansas City, Missouri. March, 1981.
2. American Urologic Association Allied, Kansas City, Missouri. September 25, 1981.
3. Kansas City Southwest Clinical Society, Traveling Medical Education Course, Crested Butte, Colorado. March 20-27, 1982.
4. Fluid and Electrolyte Abnormalities in Renal Failure and Renal Pharmacology: Sponsored by Missouri Kidney Program, Kansas City, Missouri. April 6, 1982.
5. American Association of Medical Assistants. "Obesity in America: A Radical Medical Approach". Kansas City, Missouri. April 20, 1982.
6. National Kidney Foundation, Council on Renal Nutrition. Chicago, Illinois, December 11, 1982. "Drug Therapy in Renal Failure".
7. National Kidney Foundation, Clinical Dialysis and Transplant Forum, Chicago, Illinois, December 11, 1982. "Drug Interference with Renal Function Tests".
8. Kansas City Southwest Clinical Society, Traveling Medical Education Course, Copper Mountain, Colorado. March 16-23, 1985.
9. Kansas City Southwest Clinical Society; Current Management in Critical Care: "Acute Renal Failure". Kansas City, Missouri. March 13-14, 1986.
10. Kansas City Southwest Clinical Society; Current Management in Critical Care: "Renovascular Hypertension". Kansas City, Missouri. April 23-24, 1987.
11. Society of Critical Care Medicine, Baylor College of Medicine; Critical Care Medicine Board Review Course: "Acute Renal Failure". Houston, Texas, August 30, 1987.
12. Society of Critical Care Medicine, Baylor College of Medicine; Critical Care Medicine Board Review Course: "Acute Renal Failure in the Critical Care Unit". Houston, Texas, August 27, 1989.
13. Ed Bixby Seminar for Postgraduate Medical Education. "A Nephrologist's View of Renal Transplantation". Kansas City, Missouri, October 6, 1989.
14. Kansas City Southwest Clinical Society: Current Management in Critical Care: "Osmolar Problems in Critically Ill Patients". Kansas City, Missouri, April 6, 1990.
15. Kansas City Southwest Clinical Society: Current Management in Critical Care: "Recognition and Management of Electrolyte Disorders in Critically Ill Patients". Kansas City, Missouri, April 6, 1990.

16. Task Force on Anemia in Renal Failure. "Use of Erythropoietin Alpha in a Private Practice Setting". American Society of Nephrology, Washington, D.C. December 6, 1990.
17. Kansas City Southwest Clinical Society: Current Management in Critical Care: "Hyperosmolar Disorders in the Critically Ill". Kansas City, Missouri, May 2, 1991.
18. Kansas City Southwest Clinical Society: Current Management in Critical Care: "Severe Acid-Base Disorders", Kansas City, Missouri, May 2, 1991.
19. Kansas City Southwest Clinical Society: Fluid, Electrolyte and Acid-Base Workshop. Fall Clinical Conference, November, 1991.
20. Society of Critical Care Medicine: Multidisciplinary Critical Care Review Course. Acute Renal Failure. Atlanta, Georgia, August 19, 1993.
21. Society of Critical Care Medicine: Multidisciplinary Critical Care Review Course, Dialysis/CAVH. Atlanta, Georgia, August 19, 1993.
22. Kansas City Southwest Clinical Society: Fluid, Electrolyte and Acid-Base Workshop. Fall Clinical Conference, November 4, 1993.
23. American College of Chest Physicians & Critical Care Medicine: A Concise Review: "Acute Renal Failure", June 9, 1995. Beverly Hills, CA and September 15, 1995, Atlanta, GA.
24. American College of Chest Physicians. Critical Care Medicine. A Concise Review. "Disorders of Calcium, Magnesium, and Potassium". June 9, 1995, Beverly Hills, CA and September 15, 1995, Atlanta, GA.
25. Society of Critical Care Medicine: Multidisciplinary Critical Care Board Review Course. "Acute Renal Failure". Minneapolis, MN, August 23, 1996.
26. Society of Critical Care Medicine: Multidisciplinary Critical Care Board Review Course: "Acid-Base Disorders". Minneapolis, MN. August 23, 1996.
27. Kansas City Southwest Clinical Society: Fall Clinical Conference. "Fluid Electrolyte and Acid-Base Workshop". October 24, 1996.
28. American Academy of Family Practice. Home Study Self-Assessment Audio Tapes. "Acute Renal Failure". May, 1995.
29. American Academy of Family Practice. Home Study Self-Assessment Audio Tapes. "Chronic Renal Failure". June, 1995.
30. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Acute Renal Failure". May 1, 1997.

31. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Hypertensive Crises". May 1, 1997
32. American College of Chest Physicians. National Critical Care Medicine Board Review Course. "Acute Renal Failure", June 29-July 3, 1997, San Diego, CA and, September 5-9, 1997 New York, NY.
33. American College of Chest Physicians. National Critical Care Medicine Board Review Course. "Disorders of Calcium, Magnesium and Potassium", June 29-July 3, 1997, San Diego, CA and, September 5-9, 1997 New York, NY.
34. Society of Critical Care Medicine: Multidisciplinary Critical Care Board Review Course. "Acute Renal Failure", August 13-17, 1997. Chicago, IL.
35. Kansas City Southwest Clinical Society: Fall Clinical Conference. "Fluid, Electrolyte and Acid-Base Workshop", October 24, 1997.
36. Bixby Institute, Research Medical Center: "Prevention of Chronic Renal Failure: Slowing the Progression to ESRD", February 13, 1998. Kansas City, MO
37. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Lifethreatening Acid –Base Disorders", April 30, 1998.
38. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Disorders of Calcium, Magnesium and Potassium", April 30, 1998.
39. Society of Critical Care Medicine: Multidisciplinary Critical Care Board Review. "Acute Renal Failure and Renal Replacement Therapy", August, 1998. Chicago, IL.
40. American College of Chest Physicians: Critical Care Board Review Course. "Acute Renal Failure" and "Disorders of Calcium, Magnesium and Potassium". September, 1998. Washington D.C.
41. Missouri Academy of Family Practice Annual Meeting. "Prevention of Chronic Renal Failure: Delaying the Onset of ESRD" and "Lifethreatening Acid Base Disorders" . November, 1998. Branson, MO.
42. Society of Critical Care Medicine: Third Annual Refresher Course. "Acute Renal Failure" and "Lifethreatening Acid Base Disturbances". January 22-23, 1999. San Francisco, CA.
43. Kansas Academy of Family Physician's Annual Meeting and Scientific Session. "How To Prevent End Stage Renal Disease". June 17, 1999. Wichita, KS.
44. ACCP, SCCM Combined Critical Care Course. "Acute Renal Failure", "Electrolyte Disorders", "Acid Base Workshop" and "Fluid and Electrolyte Workshop". August 1999. Orlando, FL.

45. Kansas City Southwest Clinical Society: Master Clinician Series. "Fluid, Electrolyte And Acid Base: Clinical Problems." October 28, 1999. Overland Park, KS.
46. Society of Critical Care Medicine: Refresher Course. "Electrolyte Disorders" February 11, 2000. Orlando, FL
47. ACCP, SCCM Combined Critical Care Course. "Acute Renal Failure", "Electrolyte Disorders", "Acid Base Workshop" and "Fluid and Electrolyte Workshop". September 2000, Pittsburgh, PA.
48. Kansas City Southwest Clinical Society, Fall Clinical Conference. Prevention of ESRD. October 26, 2000, Overland Park, KS.
49. ACCP, SCCM Combined Critical Care Course. "Acute Renal Failure", "Electrolyte Disorders", "Acid Base Workshop" and "Fluid and Electrolyte Workshop". August, 2001, Orlando, FL.
50. Kansas City Southwest Clinical Society: Master Clinician Series. "Fluid and Electrolytes: Clinical Problems." November 1, 2001. Overland Park, KS.
51. Society of Critical Care Medicine: Fifth Annual Refresher Course. Renal Replacement Therapy in the Intensive Care Unit. January 26, 2002. San Diego, CA.
52. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Acid Base Disorders in the Critically Ill" May 3, 2002, Overland Park, Kansas
53. ACCP, SCCM Combined Critical Care Course. "Acute Renal Failure", "Electrolyte Disorders", "Acid Base Workshop" and "Fluid and Electrolyte Workshop". August 17-20, 2002, Chicago, Illinois
54. The Second International Conference on Critical Care Medicine: Cairo University Critical Care. "Acute Renal Failure", "Disorders of Sodium and Water Balance", "Critical Acid Base Disorders". October 14-18, 2002, Cairo, Egypt.
55. Society of Critical Care Medicine: Fifth Annual Refresher Course. Prevention and Management of Acute Renal Failure. January 28, 2003. San Antonio, TX
56. American College of Chest Physicians, Critical Care Board Review 2003. "Acute Renal Failure", "Electrolyte Disorders", "Acid-Base Workshop". August, 2003. Scottsdale, AZ
57. Society of Critical Care Medicine, Multidisciplinary Critical Care Review. "Acute Renal Failure", "Electrolyte Disorders", "Acid Base Workshop". September 2003. Chicago, IL
58. National Kidney Foundation of Kansas and Western Missouri, Early Kidney Disease Update. "Chronic Kidney Disease: Strategies for Avoiding Dialysis". April 16, 2004

59. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Fluid and Electrolytes in the Critically Ill" May 7, 2004, Overland Park, Kansas
60. Orear Institute for Postgraduate Studies, Recent Advances in Medicine. "Chronic Kidney Disease: Slowing the Progression to ESRD", "Things We Do to Harm Kidneys". June 24-25, 2004. Kansas City, MO
61. American College of Chest Physicians, Critical Care Board Review 2004. "Acute Renal Failure", "Electrolyte Disorders", "Acid-Base Workshop". August, 2004. Orlando, FL
62. Missouri Academy of Family Physicians, 57th Annual Scientific Assembly. "Approach to Fluid and Electrolyte Disorders". June 4, 2005
63. American College of Chest Physicians, Critical Care Board Review 2005. "Acute Renal Failure", "Electrolyte Disorders", "Acid-Base Workshop" "Fluid and Electrolyte Workshop". August, 2005. Scottsdale, AZ
64. Society of Critical Care Medicine, Multidisciplinary Critical Care Review. "Electrolyte Disorders". August 19, 2005. Chicago, IL
65. American College of Chest Physicians, Fellows Conference "Acute Renal Failure". October 29, 2005. Montreal, Quebec, Canada
66. Kansas City Southwest Clinical Society: Master Clinician Series "Fluid and Electrolyte Workshop October 27, 2005, Overland Park, Kansas
67. Kansas City Southwest Clinical Society: Current Topics in Clinical Medicine. "Chronic Kidney Disease as a Cardiovascular Risk Factor", "Things We Do that Harm Kidneys", "Prevention of Acute Renal Failure", March 13, 2006, Copper Mountain, CO
68. Orear Institute for Postgraduate Studies: Recent Advances in Medicine. "Chronic Kidney Disease and Cardiovascular Risk", June 30, 2006, Kansas City, MO
69. Society of Critical Care Medicine: Multiprofessional Critical Care Review Course. "Acute Renal Failure in the ICU", July 21, 2006, Chicago, IL
70. American College of Chest Physicians, Critical Care Board Review 2006. "Acute Renal Failure", "Electrolyte Disorders", "Acid-Base Workshop" "Fluid and Electrolyte Workshop". August 26-29, 2006. Orlando, FL
71. Kansas City Southwest Clinical Society: Master Clinician Series "Acid Base Disorders" November 3, 2006, Overland Park, Kansas
72. Kansas City Southwest Clinical Society: Current Management in Critical Care. "Fluid and Electrolytes in the Critically Ill" April 13, 2007, Overland Park, Kansas

73. Midwest Medical Directors Association , “Cardiovascular Complications of Chronic Kidney Disease”, May 18, 2007, Kansas City, MO
74. Society of Critical Care Medicine: Multiprofessional Critical Care Review Course. “Acute Kidney Injury”, August 4, 2007, Chicago, IL
75. American College of Chest Physicians, Critical Care Board Review 2007. “Acute Kidney Injury”, “Electrolyte Disorders”, “Acid-Base Workshop” “Fluid and Electrolyte Workshop”. August 26-29, 2007. Phoenix, AZ
76. Renal Physicians Association, Fall Fellows Workshop. “Finding your niche: Perspectives on Private Practice Employment Opportunities in Nephrology”. Friday September 7, 2007, Kansas City, MO
77. National Kidney Foundation of Kansas and Western Missouri. “Statins and CKD: The Effect of Lipids and Lipid Lowering Therapy on the Progression and CV Complications of CKD”. April 4, 2008, Kansas City, MO
78. Society of Critical Care Medicine: Multiprofessional Critical Care Review Course. “Acute Kidney Injury”, August 8, 2008 Chicago, IL
79. American College of Chest Physicians, Critical Care Board Review 2007. “Acute Kidney Injury”, “Electrolyte Disorders”, “Acid-Base Workshop” “Fluid and Electrolyte Workshop”. August 26-29, 2008. Orlando, FL
80. Society of Critical Care Medicine: Multiprofessional Critical Care Review Course. “Acute Kidney Injury”, July 17, 2009, San Francisco, CA
81. American College of Chest Physicians, Critical Care Board Review 2007. “Acute Kidney Injury”, “Electrolyte Disorders”, “Acid-Base Workshop” “Fluid and Electrolyte Workshop” August 25-26, 2009, Phoenix, AZ
82. Bixby Institute: 2010 Kansas City Hooper Diabetes Symposium. “Diabetic Nephropathy” April 9, 2010, Overland Park, KS
83. Kansas City Southwest Clinical Society: Current Management in Critical Care. “Acute Renal Failure and Renal Replacement Therapy” April 30, 2010, Overland Park, KS
84. Kansas City Southwest Clinical Society: Current Clinical Topics in Medicine. “CKD: Prevention of ESRD” and “CKD: Prevention of Cardiovascular Disease” March 14, 2011, Breckenridge, CO
85. Orear Institute for Postgraduate Studies: Recent Advances in Medicine. “Kidneyvascular Disease: The risk if cardiovascular disease in patients with CKD”, June 24, 2011, Kansas City, MO

86. Orear Institute for Postgraduate Studies: Recent Advances in Medicine. "CKD: Delaying or Preventing ESRD", June 24, 2011, Kansas City, MO
87. Kansas City Southwest Clinical Society: 89th Annual Fall Clinical Conference, Cardiovascular Risk of Chronic Kidney Disease. November 3, 2011, Kansas City, MO
88. Fluid, Electrolytes and Acid-Base: The ICU Cliff Notes. Kansas City Southwest Clinical Society: Current Management in Critical Care May 3, 2013, Kansas City, MO