

MATTHEW RYAN WEIR, M.D.
Professor and Director
Division of Nephrology
University of Maryland School of Medicine

Biosketch

Matthew R. Weir, M.D. is attending physician and Director of the Division of Nephrology in the Department of Medicine at the University of Maryland Hospital, Baltimore. He is also Professor of Medicine at the University of Maryland School of Medicine.

Dr. Weir's primary research interests include the use of antihypertensive therapy for the treatment of diabetic nephropathy, hypertensive renal injury in African Americans, cardiovascular disease in patients with chronic kidney disease, and mineralocorticoid receptor antagonism to treat atherosclerosis. He has written more than 600 manuscripts and book chapters about these topics. He has edited 8 books on topics in nephrology, transplantation, and hypertension. He has presented at numerous international scientific association meetings, hospitals, and medical schools.

Dr. Weir currently reviews manuscripts for more than 30 major medical journals, including the American Society of Nephrology, and Archives of Internal Medicine. He is on the editorial board of 18 journals and is Section Editor of Current Hypertension Reports and Current Opinion in Hypertension and Nephrology, and Associate Editor of Clinical Nephrology and the American Journal of Nephrology. He has 5 active NIH supported grants: three from NIDDK, and two from NHLBI. In addition, he is a member of numerous associations, including the American Society of Nephrology, the National Kidney Foundation, the American Heart Association, and the American Society of Transplantation.

Dr. Weir received his medical degree from the University of Virginia, Charlottesville. He completed his internship and residency programs in medicine at the Waterbury and Yale-New Haven Hospitals in Connecticut, and completed his nephrology training at the Brigham and Women's Hospital, Harvard Medical School, in Boston, Massachusetts. He then moved to then to the University of Maryland where he has been a full time faculty member since 1983.

Highlighted Publications

Weir MR. In the clinic: hypertension. *Ann Intern Med.* 2014 Dec 2;161(11):ITC1-15;quiz ITC16.

Weir MR, Bakris GL, Bushinsky DA, Mayo MR, Garza D, Stasiv, Wittes J, Christ-Schmidt H, Berman L, Pitt B; the OPAL-HK Investigators. Patiromer in Patients with Kidney Disease and Hyperkalemia Receiving RAAS Inhibitors. *N Engl J Med.* 2015 Jan 15;372(3):211-21.

Weir MR, Burgess ED, Cooper JE, Fenves AZ, Goldsmith D, McKay D, Mehrotra A, Mitsnefes MM, Sica DA, Taler SJ. Assessment and Management of Hypertension in Transplant Patients. *J Am Soc Nephrol.* 2015 Jun;26(6):1248-60.

Weir MR, Pearson TC, Patel A, Peddi VR, Kalil R, Scandling J, Chan L, Baliga P, Melton L, Mulgaonkar S, Waid T, Schaefer H, Youssef N, Anandagoda L, McCollum D, Lawson S, Gordon R. Long-term Follow-up of Kidney Transplant Recipients in the Spare-the-Nephron-Trial. *Transplantation.* 2017 Jan;101(1):157-165.

Weir MR, Lakkis JI, Jaar B, Rocco MV, Choi MJ, Kramer HJ, Ku E. Use of Renin-Angiotensin System Blockade in Advanced CKD: An NKF-KDOQI Controversies Report. *Am J Kidney Dis.* 2018 Dec;72(6):873-884.

Kasiske BL, Anderson-Haag TL, Duprez DA, Kalil RS, Kimmel PL, Pesavento TE, Snyder JJ, **Weir MR**. A prospective controlled study of metabolic and physiologic effects of kidney donation suggests that donors retain stable kidney function over the first nine years. *Kidney Int.* 2020 Jul;98(1):168-175

CURRICULUM VITAE



Date January 18, 2021

Contact Information

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Education

1974	B.A.	University of Virginia Charlottesville, Virginia
1978	M.D.	University of Virginia Charlottesville, Virginia

Internship

1978-1979	The Waterbury Hospital and Yale-New Haven Hospital Yale University School of Medicine New Haven, CT
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Residency

1979-1980	Junior Assistant Resident in Medicine, The Waterbury Hospital and Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT
1980-1981	Senior Assistant Resident in Medicine, The Waterbury Hospital and Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT

Research Fellowships:

1981-1982	Clinical Nephrology Fellow, Harvard Medical School and The Brigham and Women's Hospital, Boston, MA
1982-1983	Laboratory of Immunogenetics and Transplantation, Renal Division, Harvard Medical School and The Brigham and Women's Hospital, Boston, MA

POSTGRADUATE CLINICAL EXPERIENCE

1981-1983	General Practice Clinic The Brigham and Women's Hospital Boston MA
1981-1983	Medical Consultant Parker Hill Hospital Boston, MA
1981-1983	Medical Consultant, Intensive Care Unit

Marlborough Hospital
Marlborough, MA

1983-Present

Attending Physician
University of Maryland Hospital,
Baltimore, MD

LICENSURE AND CERTIFICATION

1979 Diplomat of the National Board of Medical Examiners
1980 Connecticut License Registration
1981 Massachusetts License Registration
1981 Diplomat of the American Board of Internal Medicine
1983 Maryland License Registration (#D29710)
1984 Diplomat of the American Board of Internal Medicine for the Subspecialty of Nephrology

MAJOR RESEARCH INTERESTS

- Immunobiology of tolerance in allograft transplantation
- Hypertensive nephropathy in blacks
- Hypertension - Impact of antihypertensive agents on renal hemodynamics, end-organ protection, and modulation of renal-adrenal responses
- The influence of dietary sodium on insulin sensitivity, blood pressure, renal hemodynamics and proteinuria in hypertensive patients
- Mechanisms and treatment of allograft nephropathy
- Cardiovascular disease associated with chronic kidney disease

FACULTY POSITIONS

1983-1989 Assistant Professor of Medicine
University of Maryland School of Medicine
Baltimore, MD

1989-1994 Associate Professor of Medicine
University of Maryland School of Medicine
Baltimore, MD

1994-Present Professor of Medicine
University of Maryland School of Medicine
Baltimore, MD

1994-Present Director, Division of Nephrology
University of Maryland School of Medicine
Baltimore, MD

MAJOR ACADEMIC TASKS

1983-1990 Medical Director, Transplantation Service
University of Maryland Hospital
Baltimore, MD

1983-1990 Medical Director, Transplantation Clinic
University of Maryland Hospital
Baltimore, MD

1986-Present Task Force on Hypertensive Emergencies

University of Maryland Hospital
Baltimore, MD

1988-Present Medical Director, Clinical Research Unit
University of Maryland Hospital
Baltimore, MD

1990-Present Director, Nephrology Fellowship Training Program
University of Maryland Hospital
Baltimore, MD

1991-Present Associate Director, Organ Transplantation Services
University of Maryland Hospital
Baltimore, MD

PROFESSIONAL MEMBERSHIPS

1980 Member, American College of Physicians
1982 Member, International Society of Nephrology
1983 Member, American Federation of Clinical Research
1984 Member, American Society of Nephrology
1984 Member, Baltimore City Medical Society
1984 Member, Medical & Chirurgical Faculty of Maryland
1985 Member, The Transplantation Society
1986 Member, American Society of Transplant Physicians
1986 Member, National Kidney Foundation
1986 Member, Renal Physicians Association
1987-88 Co-Director, Program Committee of the Third International
Interscience Conference on Hypertension in Blacks.
1988 Member, American Society of Hypertension
1988 Fellow, American College of Physicians
1988-91 Member, Scientific Review Committee, American Society of Transplant Physicians
1991-Present Reviewer of Abstracts for American Society of Transplantation Meeting
1992,1995,1997-present Reviewer of Abstracts for American Society of Nephrology
1993-1997 Member, Kidney-Pancreas Committee, American Society of Transplant Physicians
1993-1996 Member, Program Committee, American Society of Transplant Physicians
1993-1996 Member, Scientific Advisory Board, United Network of Organ Sharing (UNOS)
1994-1998 Member, American Society of Hypertension CME Committee
1994-1998 Member, Physicians Manpower and Training Committee,
American Society of Transplant Physicians
1998-present Member, Editorial Board of American Journal of Kidney Diseases
2004-present Journal of Clinical Hypertension, Hypertension, Transplantation, and many others
2004-2008 Associate Editor, American Journal of Kidney Diseases
2004-present Section Editor Current Hypertension Reports
2004-present Section Editor, Current Opinion of Hypertension and Nephrology
2009-present Associate Editor, Clinical Nephrology
2010-present Associate Editor, American Journal of Nephrology

HONORS, AWARDS

1974 Phi Beta Kappa
1982 National Kidney Foundation Fellowship Award
1984 Traveling Fellowship Award, IX International Congress of Nephrology
1986 Traveling Fellowship Award, XI International Congress of the Transplantation Society
1987 Traveling Fellowship Award, X International Congress of Nephrology
1991 Volunteer Service Award, National Kidney Foundation
1994 Alpha Omega Alpha

1998 Distinguished Research Award, International Society of Hypertension in Blacks

COMMITTEE AND SERVICE ACTIVITIES

1983-1984	Housestaff Selection Committee
1983-1988	Member, Scientific Advisory Committee of Dr. John Warren's Program Project Entitled: "Complications of Long-Term Urinary Catheters in the Aged."
1986-present	Housestaff Selection Committee
1984-1989	Department of Medicine Education Committee
1984-1986	Faculty Practice Offices Operations Committee
1984-1989	Task Force for Peer Review of Sophomore Pathology Medical School
1984,1985,1993	Judge, Medical School Research Day
1988-Present	Student Appeals Committee
1985-1989	Clinical Years Curriculum Committee, Advisor for Senior Medical Students
1985-1989	Member, Baltimore Physicians for Social Responsibility
1986-present	Chairman, Fund-Raising/Committee, National Kidney Foundation-Maryland
1986-present	Department of Medicine Research Committee
1986-present	Department of Medicine Benefits Committee
1987-present	Board of Trustees, National Kidney Foundation - Maryland
1987-1990	Maryland Organ Procurement Center, Medical Advisory Board
1987-present	Medical Advisory Board, National Kidney Foundation of Maryland
1987-present	Reviewer of manuscripts for: Transplantation, American Journal of Kidney Diseases, Chest, New York State, Journal of Medicine, American Journal of Hypertension, Journal of Human Hypertension, Life Sciences, Journal of the American Society of Nephrology, Archives of Internal Medicine, American Journal of Cardiology, Kidney International, Hypertension
1988-1990	Board of Directors, Maryland Organ Procurement Center
1991-present	Medical Advisory Board, Transplant Resource Center
1992-	Member, Selection and Program Committee, Short-Term Research Training Program for Minority Undergraduate Students
1992-	Preceptor, Short-Term Research Training Program for Minority Undergraduate Students
1993-	Preceptor, Short-Term Research Training Program for Medical Students
	Maryland State Advisory Council on HBP and Related Cardiovascular Risk Factors
1996-2000	Cardiorenal Study Section, NHLBI, National Institutes of Health
1997-present	NIDDK Special Grants Review Committee, National Institutes of Health, R21,R33
2002-present	NIDDK Grants Review Committee for Organ Transplantation
2007-presnet	Grant Review Committee, VA Merit Review, Nephrology

TEACHING ACTIVITIES

1983-present	4-6 months attending transplant service
	1-2 months attending consultative service
1983-present	1-2 months attending medical service
1983-84, 1987-91	Sophomore physical diagnosis
1983-present	Multiple didactic talks to medical housestaff, shock-trauma, second, third and fourth year medical students, pharmacology department, clinical chemistry department. Lecturer of sophomore medical school nephrology course.
1986-92	Preceptor, Medical Clerkship of third year Medical Students

RESEARCH GRANTS AND AWARDS

Peer Review Grants

1984	American Red Cross, \$20,325. "Evaluation of HLA-typed apheresis byproducts as alloenhancing agents in prospective renal transplant recipients." Principal Investigator.
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1984 Bressler Research Fund, \$3,000. "Evaluation of HLA-typed apheresis byproducts as alloenhancing agents". Principal Investigator.

1985 American Red Cross, \$20,325. "Evaluation of HLA-typed apheresis byproducts as alloenhancing in prospective renal transplant recipients." Principal Investigator.

1987 Designated Research Initiative Funds, State of Maryland, \$8,500. "The role of calcium in lymphocyte activation and function." Principal Investigator.

1987 National Kidney Foundation of Maryland, \$4,500. "Additive effects of calcium channel blockers and cyclosporine on lymphocyte function." Principal Investigator.

1988 National Kidney Foundation of Maryland, \$2500. "Additive effects of calcium channel blockers and cyclosporine on lymphocyte activation and function. Principal Investigator

1989 National Kidney Foundation of Maryland, \$2500. "Additive effects of calcium channel blockers, prostaglandin metabolites and cyclosporine on lymphocyte activation and function." Principal Investigator.

1990 National Kidney Foundation of Maryland, \$2500. "Additive effects of calcium channel blockers, prostaglandin metabolites and cyclosporine on lymphocyte activation and function." Principal Investigator.

1991 National Kidney Foundation of Maryland, \$2500. "Additive effects of calcium channel blockers, prostaglandin metabolites and cyclosporine on lymphocyte activation and function." Principal Investigator.

1992 National Kidney Foundation of Maryland, \$2500. "Effects of calcium channel blockers of potassium channel blockers on lymphocyte activation and function." Principal Investigator.

1994 American Heart Association Grant-In-Aid, \$44,000. "Exercise, Insulin and Sodium in Black Hypertensives." Principal Investigator.

1994 SERCA Award, \$418,652. "Insulin action, sodium and exercise in the hypertension of Aging." Co-Investigator.

2001 NIDDK 1U01DK61022-01(NIH) – Appel (PI) \$1,639,923 9/28/2001 – 8/31/2008
Johns Hopkins Medical Institutions, Chronic Renal Insufficiency Cohort Study, Site Co-Investigator
The main goal of this project is to identify risk for factors associated with accelerated loss of renal function in patients with chronic renal insufficiency and to identify risk factors for cardiovascular disease associated with this condition.

2002 NHLBI HL67031-01A(NIH) B. Howard (PI) \$211,546 4/1/2002 – 3/31/2008
Medstar Research Institute, Stop Atherosclerosis in Natives Diabetes Study (SANDS). This project is an interventional trial with lower levels of blood pressure and LDL-cholesterol reduction in Native Americans with type II diabetes and microalbuminuria. Outcome is based on carotid intimal plaque thickening. Site Principal Investigator.

2002 NHLBI U01HL72515(NIH) Shuldiner (PI) \$197,547 9/30/2002 – 9/29/2006
University of Maryland School of Medicine, Genome-Wide Search for CVD Gene Environment Interaction. The major goal of this project is to identify genes that interact with the environment in shaping the risk of cardiovascular disease. Site Co-Investigator

2002 NIDDK U01 DK61700-01(NIH) Bostom (PI) \$140,000 2/12/2002 – 1/31/2007
Lifespan, Rhode Island Hospital, Folic Acid for Vascular Outcome Reduction in Transplantation (FAVORIT), Site Principal Investigator.

2005 R01/DK066013 Kasiske (PI) \$228,519 9/15/2005-5/31/2012
University of Minnesota, Live Unrelated Kidney Donor and Sibling Follow-up Study. To investigate biomeasures of cardiovascular risk in kidney donors. Site Principal Investigator .

2007 NIDDK UO2 DK61700-06 (NIH) Bostom (PI) \$535,175 2/1/2007 – 1/31/2012
Lifespan, Rhode Island Hospital, Folic Acid for Vascular Outcome Reduction in Transplantation (FAVORIT), Site Principal Investigator.

2007 No project number (Wilson) \$50,000 7/1/2007-6/30/2008
University of Maryland Statewide Health Network Other Tobacco Related Diseases Research
The major goal of this project is to understand the effects of smoking on the graft function and explore the success of effectiveness of the smoking cessation in these patients with multiple comorbidities. Role: PI

2008 NIDDK R21 AG033791 Mullins(PI) \$200,00 11/2008-10/2010
Response to Medicare Reimbursement Policy Change by Minority and all ESRD patients, with regard to access to renal transplantation.

2010 0468E5-4544 Weir \$3,152,993 1/1/2010 – 3/30/2014
Spare the Nephron (STN) Continuation of Yearly Follow-up for another three years (a total of five-

	year study period). The plan is to evaluate change in measured GFR over time.		
	Principal Investigator		
2010	R01 PA07-070 Fink	\$1,025,000	7/1/2010 – 6/30/2015
	Does under-recognition of kidney disease affect patient safety?		
	The major goal of this study is to test the hypothesis that patients with chronic kidney disease (CKD) have a high frequency of both general and disease-specific safety events that account for a significant proportion of their adverse outcomes. An intervention (<i>structural measure</i>) that increases the recognition of CKD will reduce the occurrence of disease-specific unsafe practices and errors (<i>process measures</i>), and in turn, reduce the incidence of disease-specific adverse events (<i>outcome measures</i>).		
2010	100255 Weir	\$148,504	4/26/2010 – 5/25/2013
	A Prospective Cohort Study to Describe the Evolution of Persistent Hyperparathyroidism in Kidney Transplant Recipients. The major goal of this study is to better understand the evolution of HPT (Hyperparathyroidism) in people during the first 12 months after receiving a kidney transplant.		
	Principal Investigator		

RESEARCH GRANTS AND AWARDS

Industry

1984	Marion Laboratories, \$90,000. "Comparison study of Diltiazem vs Atenolol in the treatment of mild to moderate hypertension." Co-Investigator.		
1984	Miles Laboratories, \$8,000. "Pharmacokinetic study of the renal excretion of Ciprofloxacin in patients with impaired renal function." Co-Investigator.		
1985	Upjohn Co., \$32,400. "The effects of topical Minoxidil in untreated hypertensives." Co-Investigator.		
1985	Ayerst Laboratories. \$55,728. "Hydrochlorothiazide dose finding study with Inderal LA." Co-Investigator.		
1985	Syntex Laboratories. \$60,000. "Nicardipine vs Propranolol in Mild to Moderate Hypertension." Co-Investigator.		
1986	American Cyanamid, Lederle Laboratories. \$63,365.76. "Safety and Dose-Finding study of Nilvadipine in Hypertension." Principal Investigator.		
1986	Merck, Sharp & Dohme. \$18,000. "Vasotec-therapy in Mild to Moderate Hypertension." Co-Investigator.		
1986	Miles Laboratories, \$6,000. "Pharmacokinetic Study of the renal excretion of intravenous ciprofloxacin in patients with impaired renal function." Co-Investigator.		
1986	Syntex Laboratories, \$48,211.20. "Nicardipine vs Captopril for Hypertension in the Elderly." Co-Investigator.		
1986	Marion Laboratories, \$77,544. "A comparative Study of Urapidil vs Placebo in Mild to Moderate Hypertension." Principal Investigator.		
1986	Merck, Sharp & Dohme. \$63,936. "Comparison of the antihypertensive efficacy and tolerability of Vasotec and Hydrochlorothiazide and their Effects on Serum Lipids in Patients with Mild Uncomplicated Essential Hypertension." Principal Investigator.		
1986	CIBA-GEIGY, \$72,000. "CGS 13080: Thromboxane Synthetase Inhibition Effect on Renal Function and Blood Pressure." Principal Investigator.		
1987	E.R. Squibb & Sons, Co., \$33,000. "Capozide vs Tenoretic in Mild to Moderate Hypertension." Principal Investigator.		
1987	Pfizer Pharmaceuticals, \$58,980. "Oral Nifedipine vs IV Labetalol in Hypertensive Urgencies." Co-investigator.		
	Abbott Laboratories, \$39,366. "Terazosin vs Propranolol in Elderly Hypertensives. " Co-principal Investigator.		
1987	Searle Laboratories, \$48,000. "Calan vs Tenormin vs Capoten in Black Hypertensives." Co-principal Investigator.		
1987	Dupont Critical Care, \$70,000. "IV Nicardipine in hypertensive urgencies." Co-investigator.		
1987	American Cyanamid Company, \$72,072.00. "Efficacy of Nilvadipine in Hypertension." Principal Investigator.		
1987	Merck, Sharpe & Dohme, \$100,200. "Vasotec vs. Verapamil SR in Hypertension." Principal Investigator.		
1987	A.H. Robins, \$133,200. "Bopindolol in black hypertensives." Co-Principal Investigator.		
1987	Marion Laboratories, \$38,400. "Diltiazem SR vs HCTZ in Hypertension." Principal Investigator.		

1987 Searle Laboratories \$24,000. Unrestricted Educational Grant.
1988 Searle Laboratories \$40,000. Unrestricted Education Grant.
1988 E.R. Squibb & Sons, \$46,476.00. "Effect of Zofenopril in Hypertension." Principal Investigator."
1988 Marion Laboratories, \$72,560.00. "Effect of Antihypertensive Therapy on Quality of Life in Elderly Females." Principal Investigator.
1988 Marion Laboratories, \$54,000.00. "Efficacy of Diltiazem/Captopril Combination in Hypertension." Principal Investigator.
1988 Syntex Laboratories, \$57,552.00. "Once Daily Dose of RS-10085 in Essential Hypertension." Co-Investigator.
1988 Syntex Laboratories, \$66,009.00. "Comparison of Nicardipine and HCTZ in the Treatment of Hypertension in Blacks." Principal Investigator.
1988 Merck, Sharpe & Dohme, \$122,000. "Lisinopril vs. verapamil SR in the treatment of older hypertensives." Principal Investigator.
1988 Merck, Sharpe & Dohme, \$40,000. "Lisinopril vs verapamil SR in the treatment of black hypertensives." Principal Investigator.
1988 Sandoz Research Institute, \$9,200. Educational Grant. Principal Investigator.
1988 Marion Laboratories, \$52,416. "Dose evaluation of Diltiazem SR/HCTZ in combination vs single agents and placebo in the treatment of hypertension." Principal Investigator.
1989 Searle Laboratories, \$85,536.00. "Open label study of cytotec in the prevention of NSAID-induced renal dysfunction in the elderly." Principal Investigator.
1989 Marion Laboratories, \$35,550.00. "Diltiazem QD dose response hypertension trial." Principal Investigator.
1989 Sandoz Research Institute, \$82,917.00. "A clinical study to determine the efficacy and safety of cyclosporine and its effect on renal function in patients with rheumatoid arthritis." Co-Investigator.
1989 Hoffman-LaRoche, \$61,200. "Efficacy of cilazapril and/or HCTZ in hypertension." Co-Principal Investigator.
1989 Merck, Sharp & Dohme, \$49,900. "Evaluation of Vaseretic in mild to moderate hypertension." Principal Investigator.
1989 Merck, Sharp & Dohme, \$79,200. "Vasotec vs Cardizem SR for treatment of hypertension." Principal Investigator.
1989 Rorer Pharmaceuticals, \$61,500. "Comparative study of Lozol as add-on therapy to Calan SR." Co-Principal Investigator.
1989 Knoll Pharmaceuticals, Inc., \$84,600. "The safety and efficacy of Trandolapril in black hypertensives." Principal Investigator.
1989 CIBA-GEIGY, 61,296.00. "The safety and tolerability of CGS 12970 in renal allograft recipients." Principal Investigator.
1989 American Cyanamid, \$64,920. "Randomized double-blind comparative study of bisoprolol in combination with HCTZ." Principal Investigator.
1989 Burroughs Wellcome Co., \$190,000. Retrovir in the treatment of HIV-infected patients in renal failure." Co-Investigator.
1989 Parke-Davis, \$204,000. "Evaluation of once vs twice daily dosing of Quinapril on renal function in patients with congestive heart failure." Co-Principal Investigator.
1990 Marion Laboratories, Inc. \$68,500. "Dose response characteristics to TA-3090 in hypertensives." Principal Investigator.
1990 Glaxo, Inc. \$104,300. "Isradipine vs HCTZ in the regression of left ventricular hypertrophy." Co-Principal Investigator.
1990 Glaxo, Inc. \$156,000. "Impact of salt sensitivity on the effects of isradipine on blood pressure and renal hemodynamics. Principal Investigator.
1990 ICI Pharma. \$31,200. "Lisinopril vs diltiazem SR in the treatment of moderate to severe hypertension." Principal Investigator.
1990 Bristol Myers Squibb, Inc. \$68,900. "A comparison of fosinopril and verapamil SR on blood pressure and protein excretion in hypertensive patients with Type II diabetes mellitus." Principal Investigator.
1990 Knoll Pharmaceuticals, \$58,000. "Open-label study of the long-term safety of oral trandolapril therapy in patients with mild to moderate essential hypertension." Principal Investigator.

- 1990 Roerig, \$203,100. "A multicenter evaluation of the efficacy and side effect profile of doxazosin vs enalapril as initial antihypertensive therapy in patients with mild-to-moderate primary hypertension." Principal Investigator.
- 1990 Hoffman-LaRoche, \$32,100. "Multicenter, placebo controlled study evaluating the antihypertensive effect and safety of the cilazapril/hydrochlorothiazide combination. Principal Investigator.
- 1990 Knoll Pharmaceuticals, \$60,500. "Double-blind, randomized, placebo-controlled, factorial study to evaluate the safety and efficacy of oral trandolapril combination with verapamil." Principal Investigator.
- 1990 Merck, Sharpe & Dohme, \$201,600. "Comparison of the efficacy and tolerability of lisinopril and extended-release nifedipine in mild to moderate uncomplicated essential hypertension." Principal Investigator
- 1991 Lederle Laboratories, \$26,200. "Isolated systolic hypertension in the elderly: a randomized, double-blind, placebo controlled trial of once-a-day Verelan verapamil 120 mg and 240 mg capsules in the treatment of isolated systolic hypertension in patients age 60 years and older." Principal Investigator
- 1991 ICI Pharma, \$62,300. "Controlled clinical trial comparing Zestoretic 10-12.5 and Zestoretic 10-25 (lisinopril/hydrochlorothiazide) to each of the monocomponents and placebo in the treatment of mild to moderate essential hypertension." Principal Investigator.
- 1991 Knoll Pharmaceuticals, \$55,200. "Open-label study of the long-term safety of oral trandolapril in combination with verapamil." Principal Investigator.
- 1991 Knoll Pharmaceuticals, \$59,600. "Double-blind, randomized, placebo-controlled, five-way parallel dose-ranging study to evaluate the safety and efficacy of oral trandolapril therapy (4,8,12,16 mg/day) in black patients with mild to moderate essential hypertension." Principal Investigator.
- 1991 Knoll Pharmaceuticals, \$56,700. "Evaluation of the safety and efficacy of oral trandolapril in combination with verapamil (Isoptin SR) in patients with severe essential hypertension. Principal Investigator.
- 1991 Marion Merrell Dow, \$19,200. "Assessment of the safety and efficacy of diltiazem QD in patients whose hypertension is controlled by Cardizem SR. Principal Investigator.
- 1991 CIBA-GEIGY, \$50,600. "A randomized, double-blind, placebo controlled, parallel-group comparison of monotherapy and combined therapy of benazepril 5 mg once daily and amlodipine 2.5 mg once daily for the treatment of patients with essential hypertension. Co-Principal Investigator.
- 1992 Merck, Sharp & Dohme, \$12,000. "Efficacy and tolerability of extended release felodipine in adult patients with mild to moderate uncomplicated hypertension." Principal Investigator.
- 1992 CIBA Geigy, \$47,712. "A randomized, double-blind, placebo controlled, parallel-group comparison of monotherapy and combined therapy of benazepril 20 mg once daily and amlodipine 5 mg once daily in black patients with essential hypertension." Co-Principal Investigator.
- 1992 Warner Lambert Company, \$167,100. "The safety and efficacy of once daily quinapril for the treatment of mild, uncomplicated hypertension. Principal Investigator."
- 1992 R.W. Johnson Pharmaceutical Research Institute, \$57,400. "A phase II double-blind titration comparison of perindopril erbumine and enalapril maleate in patients with mild to moderate hypertension." Principal Investigator.
- 1992 Merck, Sharpe Dohme, \$12,000. "Efficacy and tolerability of simvastatin in the treatment of primary hypercholesterolemia." Principal Investigator
- 1992 Marion Merrell Dow, \$22,700. "A comparative trial of the safety and efficacy of Cardizem CD and felodipine in elderly hypertensive patients." Principal Investigator.
- 1992 Hoechst-Roussel Pharmaceuticals, Inc. \$135,000. "The impact of ramipril and nifedipine gits and high and low sodium intake on blood pressure, proteinuria, and renal hemodynamics in black hypertensives with renal dysfunction." Principal Investigator.
- 1992 Wyeth-Ayerst Laboratories, \$42,000. "A multicenter, randomized, double-blind, placebo-controlled study to determine the effect of non-steroidal anti-inflammatory drugs (NSAIDs) on blood pressure in patients with mild to moderate hypertension controlled by verelan." Principal Investigator.
- 1992 Hoffman-LaRoche, Inc, \$33,912. "A comparison of RO 40-5967 versus Diltiazem CD and placebo for the treatment of essential hypertension." Principal Investigator
- 1992 Bristol Myers Squibb U.S. Pharmaceutical Division, \$25,416. "A double- blind, randomized trial comparing once daily combination Captopril plus Hydrochlorothiazide versus Nifedipine GITS in black patients with mild-to-moderate essential hypertension." Co-Investigator.
- 1993 Sandoz Pharmaceuticals Corporation, \$20,300. "Impact of Isradipine and sodium intake on blood pressure proteinuria and renal hemodynamics in hypertensive renal transplant patients." Principal Investigator

- 1993 Parke-Davis, \$16,800. Impact of Quinapril and high and low sodium intake on blood pressure, proteinuria, and renal hemodynamics in hypertensive renal transplant recipients." Principal Investigator
- 1993 Merck & Co., Inc, \$21,200. "A multicenter, prospective, double-blind, randomized, parallel, comparison study of the quality of life and the efficacy and tolerability of 40 mg of Lovastatin versus 40 mg Pravastatin in male patients with primary hypercholesterolemia (types IIa and IIb)." Principal Investigator
- 1993 Merck & Co., \$24,000. "A multicountry, double-blind study to evaluate the quality of life of hypercholesterolemic patients treated with simvastatin or pravastatin." Principal Investigator.
- 1993 Advanced Metabolic Systems, \$193,136. "Anti-nephropathic effects of chronic intermittent intravenous insulin therapy in type I diabetics." Principal Investigator.
- 1993 Sandoz Pharmaceuticals, \$92,280. "Dietary salt and blood pressure control with isradipine or enalapril." Principal Investigator.
- 1993 Lederle Laboratories, \$58,320. "Efficacy and safety of verelan vs cardizem in hypertension." Principal Investigator.
- 1993 Bristol-Myers Squibb, \$46,368. "A multicenter 8-week study of the antihypertensive activity and safety of BMS-186295/SR 47436 in mild to moderate hypertensives. Principal Investigator.
- 1993 Sankyo U.S.A. Corporation, \$36,800. Efficacy and safety of temocapril alone and in combination with hydrochlorothiazide. Principal Investigator.
- 1993 Hoffmann LaRoche, Inc., #76,800. "Long term safety and efficacy of Ro-40-5967 in hypertension. Principal Investigator.
- 1993 Marion Merrell Dow Inc., \$22,410. "A comparative trial of the safety and efficacy of cardizem CD and amlodipine in older patients." Principal Investigator.
- 1993 Knoll Pharmaceuticals, \$108,432. "Antihypertensive/antiproteinuric effects of verapamil and trandolapril." Principal Investigator.
- 1993 Bristol-Myers Squibb, \$75,408. "A multicenter 8-week study of the antihypertensive activity and safety of BMS-186295 in mild to moderate hypertension." Principal Investigator.
- 1994 Bristol-Myers Squibb, \$45,548. "Dose-ranging study II: A multicenter trial of the antihypertensive activity and safety of 100, 200, and 300 mg SR 47436 (BMS-186295) in mild-to-moderate hypertension." Principal Investigator.
- 1994 Marion Merrell Dow Inc., \$57,960. "Diltiazem ER/Enalapril combination therapy in hypertensive patients not responding adequately to diltiazem CD (Cardizem CD) monotherapy." Principal Investigator.
- 1994 ZENECA, \$35,616. "A placebo-controlled study assessing the treatment effects of lisinopril versus hydrochlorothiazide (HCTZ) in obese patients with hypertension - Trophy 1262US/0004." Principal Investigator
- 1994 Wyeth-Ayerst, \$56,640. "A randomized, double-blind, placebo-controlled, multicenter, dose titration trial of ANA-756 in patients with essential hypertension." Principal Investigator
- 1994 CIBA-GEIGY, \$47,910. "Randomized, double-blind, placebo-controlled, parallel-group trial comparing valsartan 20 mg, 80 mg, 160 mg, and 320 mg to placebo in patients with essential hypertension followed by an open-label extension of 52 weeks duration." Principal Investigator.
- 1994 Parke-Davis, \$47,140. "A double-blind, randomized, comparative study to examine the single agent efficacy and tolerability of Accupril (quinapril), versus placebo for the treatment of mild to moderate hypertension in black and white subjects. (Protocol 906-379). Accupril in minorities (AIM) project." Co-Investigator.
- 1995 Bristol-Meyers Squibb/Medex, \$55,200. "Metformin hydrochloride vs. placebo in non-insulin dependent diabetics." Co-Investigator
- 1995 Merck, \$13,980. "COZAAR and HYZAAR vs. Procardia XL in patients with hypertension." Principal Investigator.
- 1995 Merck, 11,050. "COZAAR and HYZAAR vs. Procardia XL in elderly patients with hypertension." Principal Investigator.
- 1995 Lederle/Medex,\$40,320. "Verelan vs Norvasc in Women with Hypertension." Principal Investigator.
- 1995 Wyeth-Ayerst, \$75,650. "A randomized, double-blind, placebo-controlled, multicenter, dose titration trial of ANA-756 in patients with essential hypertension." Principal Investigator.
- 1995 Bristol-Myers Squibb, \$14,730. Antihypertensive activity and Safety of Irbesartan in patients with hypertension. Principal Investigator.
- 1995 Medex, \$16,667. Multicenter Trial of HCTZ (12.5mg). Principal Investigator.

- 1995 Bristol-Myers Squibb, \$83,333. Phase II study of the treatment of Acute Renal Graft Rejection. Principal Investigator.
- 1995 Wyeth Ayerst, Direct \$114,812/Indirect \$28,628. ANA-756 (304) vs Atenolol in Hypertensives. Principal Investigator
- 1995 Merck & Co, Direct \$15,401/Indirect \$3,715. Simvastatin and Fluvastatin(Zocor). Principal Investigator.
- 1995 Merck & Co, Direct \$6,200/Indirect \$1,550. Losartan effectiveness and tolerability (LET). Principal Investigator.
- 1995 Bristol-Myers Squibb, Direct \$28,280/Indirect \$7,070. Irbesartan in Hypertensives-050. Principal Investigator.
- 1996 Bristol-Myers Squibb, Direct \$28,750/Indirect \$5,750. Dual Metalloprotease Inhibitor, BMS-186716. Principal Investigator.
- 1996 Forest Laboratories, Inc. Direct \$27,083/Indirect \$5,167. Calcium Channel Blockers in reducing Proteinuria. Principal Investigator.
- 1996 Merck & Co, Direct \$33,178/ Indirect \$8,294. Losartan Intervention for Endpoint Reduction (LIFE). Principal Investigator.
- 1996 Bristol-Myers Squibb, Direct \$57,760/ Indirect \$14,440. Irbesartan in Type II Diabetics with Nephropathy. Principal Investigator.
- 1996 Merck & Co, Direct \$71,250/Indirect \$14,250. Losartan in patients with Diabetes Mellitus. Principal Investigator.
- 1996 Bristol-Myers Squibb, Direct \$43,639/ Indirect \$10,909. Irbesartan in Mild to Moderate Hypertensives. Principal Investigator.
- 1996 Astra Merck, Direct \$55,373 Indirect \$13,843. Fixed Combination of Candesartan and HCTZ. Principal Investigator.
- 1996 Bristol-Myers Squibb, Direct \$29,167 Indirect \$5,833. Multicenter, randomized, forced titration trial antihypertensive efficacy and safety Irbesartan compared with losartan for treatment of mild to moderate hypertensives-088. Principal Investigator.
- 1996 Merck & Co, Direct \$45,625 Indirect \$9,125. Study of the effects of the non-steroidal anti-inflammatory drug indomethacin on the anti-hypertensive response to losartan versus captopril in essential hypertension. Principal Investigator.
- 1996 Searle, Direct \$24,000 Indirect \$6,000. Revised clinical protocol for controlled onset verapamil investigation of cardiovascular endpoints. Principal Investigator.
- 1996 Merck & Co, Direct \$51,067 Indirect \$10,213. African-American ECHO substudy for LIFE. Principal Investigator.
- 1997 Roche, Direct \$181,940 Indirect \$36,388. Cooperative Clinical Trials in Adult Transplantation (CCTAT) Hoffman LaRoche steroid sparing trial. Principal Investigator.
- 1997 Roche, Direct \$150,000 Indirect \$30,000. MMF rescue therapy in chronic rejection. Principal Investigator.
- 1997 Merck & Co, Direct \$29,167 Indirect \$5,833. The influence of losartan and enalapril on blood pressure and proteinuria in hypertensives with normal renal function. Principal Investigator.
- 1997 Merck & Co, Direct \$29,167 Indirect \$5,833. The influence of dietary salt and losartan therapy on blood pressure and proteinuria in hypertensives with normal renal function. Principal Investigator.
- 1997 Novartis, Direct \$14,350 Indirect \$2,870. A randomized, double blind, placebo-controlled, forced-titration parallel safety efficacy of Lotrel 5/20 mg to Lotrel 10/20 mg once daily in patients with hypertension. Co-principal Investigator.
- 1997 ISHIB/Bayer, Direct \$33,340 Indirect \$6,660. Calcium antagonists in Blacks. Co-principal Investigator.
- 1997 Hoffman-La Roche, Direct \$86,792 Indirect \$17,358. Immunosuppression Withdrawal in Stable Renal Allograft Recipients Treated with Triple Therapy. Principal Investigator.
- 1997 Covance, Direct \$45,500 Indirect \$9,100. Placebo Controlled Study of Moxonidine in Stage 1 and Stage 2 Hypertension. Co-principal Investigator.
- 1997 Novartis, Direct \$117,000 Indirect \$23,400. Comparative Effects of Diuretics and Ace Inhibitors to Alleviate Ankle Edema Due to Calcium Antagonist. Principal Investigator.
- 1997 Novartis, Direct \$106,425 Indirect \$21,285. The influence of dietary salt and valsartan therapy on blood pressure and proteinuria in hypertensive African Americans. Principal Investigator.
- 1998 Astra Merck, Direct \$55,090 Indirect \$11,018. The ABC Study of Hypertension: Protocol 140." Co-principal Investigator.

1998 Smith Kline Beecham, Direct \$31,967 Indirect \$6,393. A Double Blind Efficacy and Safety Study of Baycol (cerivastatin) & Pravacol (pravastatin) in treatment of hypercholesterolemia. Co-principal Investigator.

1998 Merck & Co., Direct \$31,302 Indirect \$6,260. Losartan in African American Patients with Mild-to-Moderate Hypertension. Co-principal Investigator.

1998 Novartis, Direct \$65,494 Indirect \$13,099. VALUE (Diovan Antihypertensive Long-term Use Evaluation). Co-principal Investigator.

1998 Covance, Direct \$36,000 Indirect \$7,200. Open Label Study of Neoral as Primary Immunosuppressant Therapy in Transplant Patients Who are Unable to Maintain Immunosuppression. Co-principal Investigator.

1998 Merck & Co., Direct \$11667 Indirect \$2,333. A Triple-Blind, Randomized, Parallel, Efficacy Study of Losartan Versus Irbesartan in Patients With Mild to Moderate Essential Hyperten. Coz442. Principal Investigator.

1998 Smith Kline Beecham, Direct \$71,250 Indirect \$14,250. Forced Titration Study of Teveten (Eprosartan mesylate; SK&F 108566-J) at Doses of 600 mg and 1200 mg Once Daily in African Americans. Principal Investigator.

1998 Bristol-Myers Squibb, Direct \$29,167 Indirect \$5,833. A Study of the antiproteinuric Effects of Omapatrilat and Amlodipine in Type II Diabetic with Hypertension and Microalbuminuria. Principal Investigator.

1999 Merck-Sharpe and Dohme, Direct \$26,220. Losartan and enalapril alone in combination on blood pressure and proteinuria in hypertensive-normal renal function. Principal Investigator.

1999 Fujisawa Healthcare, Direct \$100,000. Prograf as secondary intervention in chronic allograft nephropathy. Principal Investigator.

1999 Hoechst Marion Roussel, Direct \$23,760. Dose response with intravenous HMR396 in Anemic Patients. Principal Investigator.

1999 Astra Pharmaceuticals Products, \$94,500. A comparison of angiotensin receptor blockade vs calcium channel blockade on allograft nephropathy. Principal Investigator.

1999 Novartis. Tolerability of ERL080A.

2000 Fujisawa, 100,000 Direct, 20,000 Indirect. Prograf vs cyclosporine in patients with renal failure. Principal Investigator

2000 Hoffmann-LaRoche Company, 129,167 Direct, 25,8333 Indirect. Treatment for chronic allograft nephropathy. Principal Investigator

2000 Hoffmann-LaRoche Company, 86,500 Direct, 17,300 Indirect. Immunosuppression in renal allograft triple therapy. Principal Investigator

2000 Merck, Sharp and Dohme, 10,662 Direct, 2,133 Indirect. Losartan intervention for endpoint reduction in hypertension. Principal Investigator

2000 Merck, Sharp and Dohme, 9,510 Direct, 1,902 Indirect. Losartan in patients with non-insulin dependent diabetes.

2001 Biovail Laboratories. Diltiazem HCL Extended Release Capsules.

2001 Novartis. Enalapril in Treatment of Hypertension in Type 2 Diabetics.

2001 Novartis Pharmaceuticals, University of Maryland School of Medicine, The National Living Renal Transplant Registry, Co-Medical Director. 7/1/2001 – 6/30/2003. The major goal of this project is to conduct a multi-center Web-based registry to track the longitudinal outcome of living renal transplant recipients who are treated with or without basiliximab (Simulect).

1996-2000 Bristol-Myers Squibb, IDNT Study

1996-2000 Merck Sharp & Dohme, RENAAL Study

1996-2001 Novartis Pharmaceuticals VALUE Study

1996-2000 Merck Sharp & Dohme, LIFE Study

2006-2009 Roche Pharmaceuticals, STN Trial

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123. Johar B, Brechemin L, Klassen DK, Hoehn-Saric EW, Schweitzer EJ, Anderson L, Allen E, Bartlett S, Weir MR. Tertiary hyperparathyroidism in renal transplant (Tx) patients. Am Soc Transplant Physicians Abstract Book May 1996; P-271:241(A).
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127. Schweitzer E, Anderson L, Johnson L, Kuo P, Weir MR, Klassen DK, Hoehn-Saric EW, Bartlett ST. Safe pancreas transplantation in diabetics with ischemic heart disease. *Am Soc Transplant Physicians Abstract Book 1996*.
128. Weir MR, Saunders E. Racial similarity in response to the angiotensin converting enzyme inhibitor trandolapril. *Am J Hypertens 1996; 9(4):174A*.
129. Weir MR. Efficacy and safety of losartan versus calcium channel blockers in hypertension.
130. Weir MR. Antagonism of angiotensin II: new understandings about the interrelationship with dietary salt and blood pressure reduction.
131. Bakris GL, Weir MR, DeQuattro V, Rosendorff C, McMahon G. Renal hemodynamic and antiproteinuric response to an ACE inhibitor, Trandolapril (T) or calcium antagonist, verapamil (V) alone or in fixed dose combination in patients with diabetic nephropathy: A randomized multicenter study. *J Amer Soc Nephrol 1996; 7:1546-1551*.
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133. Weir MR, Weder A, for the MIST Study Group. Influence of race and dietary salt on blood pressure (BP) responses in salt sensitive hypertensives. *AJH 1997; 10:19A*.
134. Weir MR, Reisin E, Falkner B, Hutchinson HG, Anzalone D, Tuck M for the TROPHY Study Group. Effect of lisinopril (L), hydrochlorothiazide (H) and dipper/non-dipper status on 24-hour ambulatory blood pressure (ABP) in obese hypertensives. *AJH 1997; 10:77A*.
135. Weir MR, Cargo PH, Colasante D, McDevitt JT, Oparil S. Differential effects of calcium channel blockers on heart rate in women. *AJH 1997; 10:106A*.
136. Weir MR. Therapeutic approaches to patients with special indications. *AJH 1997; 10:228A*.
137. Weir MR. Hypertension progressing to renal failure: is there a way out? *AJH 1997; 10:233A*.
138. Weir MR. The rationale for combination therapies vs. single entities in hypertension. *AJH 1997; 10:241A*.
139. Weir MR. Efficacy and safety of losartan versus calcium channel blockers in hypertension. *AJH 1997; 10:243A*.
140. Fink JC, Roghmann M, Gabregiorgish K, Antonopoulos G, Maker T, Weir MR, Polish LB, Morris JG, Light PD. Vancomycin resistant enterococcus in patients on hemodialysis: risk factors and outcomes. *J Amer Soc Nephrol 1997; 8:235A*.
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143. Song H, Papadimitriou J, Drachenberg C, Weir MR, Wei C. Increase the expression of natriuretic peptides and cGMP in rejected human renal graft. *J Amer Soc Nephrol 1997; 8:407A*.
144. Wei C, Song H, Papadimitriou J, Drachenberg C, Weir MR. Protein expression of apoptosis related-gene in human renal graft rejection. *J Amer Soc Nephrol 1997; 8:430A*.
145. Wei C, Song H, Papadimitriou J, Drachenberg C, Weir MR. Increase transforming growth factor- and its receptors in human renal tissue with rejection. *J Amer Soc Nephrol 1997; 8:722A*.
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148. Maddox L, McCarter R, Kumar D, Weir MR, Bartlett ST, Keay S, Oldach D. Transplant esophagitis: microbiological, pathological, and clinical correlates in a series of 97 episodes in kidney and pancreas Tx recipients. *Am Soc Transplant Physicians Abstract Book 1997; 109:112A*.
149. Nogueira J, Drachenberg CB, Papadimitriou JC, Fink JC, Hoehn-Saric E, Klassen DK, Cangro CB, Bartlett ST, Weir MR. Prognostic significance of eosinophils on renal allograft biopsy with acute rejection. *Am Soc Transplant Physicians Abstract Book 1997; 161:125A*.
150. Weir MR, Anderson L, Fink JC, Schweitzer E, Hoehn-Saric E, Klassen D, Cangro CM, Kuo P, Johnson L, Lim J, Bartlett ST. A new approach to the treatment of chronic allograft nephropathy. *Am Soc Transplant Physicians Abstract Book 1997; 398:184A*.

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152. Madayag R, Johnson L, Bartlett ST, Schweitzer E, Constantine N, McCarter R, Kuo P, Weir MR, Oldach D. Use of allografts from donors positive for hepatitis B core antibody confer minimal risk for subsequent development of hepatitis B virus (HBV) infection. Am Soc Transplant Physicians Abstract Book 1997; 565:226A
153. Weir MR, Fink JC, Hanes DS, et al. Chronic allograft nephropathy effect of cyclosporine reduction and addition of mycophenolate on progression of renal disease. Transplantation 1999;67:S82.
154. Klassen DK, Fink J, Blahut S, Weir MR. Delayed function after pancreas transplantation: effects on allograft rejection and survival. Transplantation 1999; 67:S171.
155. Drachenberg CB, Klassen DK, Wiland A, Weir MR. Islet cell damage associated with tacrolimus and cyclosporine morphological features in pancreas allograft biopsies and clinical correlation. Transplantation 1999; 67:S209.
156. Drachenberg CB, Beskow CO, Papadimitriou JC, Cangro CB, Rocca M, Klassen DK, Weir MR. Human polyoma virus infected cells (POVIC): incidence in renal biopsies (BX), urine cytology and correlation with clinical presentation. Transplantation 1999;67:S217.
157. Hanes DS, Wali R, Fink JC, Klassen DK, Cangro CB, Bartlett ST, Weir MR. Comparison of the incidence of acute rejection in simultaneous pancreas-kidney transplant recipients receiving either tacrolimus (FK506) or cyclosporine microemulsion (Neoral) in combination with mycophenolate mofetil (MMF) and corticosteroids. Transplantation 1999; 67:S224.
158. Weir MR, Traver M, Blahut SA, Klassen DK, et al. The long-term impact calcineurin inhibitor reduction or discontinuation in patients with declining kidney function due to chronic allograft nephropathy. Transplantation 2000; 69:S163.
159. Weir MR, Ward M, Blahut S, Klassen DK, et al. The influence of blood pressure, serum cholesterol and glucose on the rate of loss of renal function in renal transplant recipients with chronic allograft nephropathy after calcineurin inhibitor dose reduction. J Am Soc Nephrol 2000; 11: 712A.
160. Weir MR, Ward M, Klassen DK, et al. The role of blood pressure and metabolic factors in predicting graft loss in patients with chronic allograft nephropathy (CAN) after calcineurin inhibitor reduction or cessation. J Am Soc Nephrol 2000; 11: 712A
161. Salmanullah M, Blahut S, Sawyer R, Fink JC, Weir MR, Henrich, WL, Hise M. Patterns of Creatinine Elevation in a VA Hospital. J Am Soc Nephrol 2000; 11:164A
162. Salmanullah M, Sawyer R, Henrich WL, Weir MR, Fink JC, Hise MK. The natural history of an elevated creatinine in a VA population. J Am Soc Nephrol 2000; 11:164A
163. Salmanullah M, Sawyer R, Henrich WL, Weir MR, Fink JC, Hise MK. Control of clinical parameters (CP) in a subspecialty setting. J Am Soc Nephrol 2000; 11:164A.

Stopped listing in 2000 due to space constraints.

PRESENTATIONS, SPEECHES AND GRAND ROUNDS

1. Weir MR, Cohen, D.J., Carpenter, C.B. Compartmentalization of the immune response to repetitive stimulation with alloantigen. American Federation for Clinical Research. October, 1983.
2. Weir MR, Cohen, D.J., Carpenter, C.B. Allograft transplantation subsequent to active and passive enhancement leads to compartmentalization of the immune response. American Federation for Clinical Research. October, 1983.
3. Weir MR, Kirkman, R.L., Strom, T.B., Tilney, N.L. Chronic liver disease in recipients of long-term renal allografts: Analysis of morbidity and mortality. American Society of Nephrology. December, 1983.
4. Weir MR, Cohen, D.J., Carpenter, C.B. Dissimilar immune responses to varied presentation of identical alloantigens. International Society of Nephrology. June, 1984.
5. Weir MR, Kirkman, R.L., Strom, T.B. The long-term effects of hepatitis B virus in renal transplant recipients: Analysis of morbidity and mortality. International Congress of the Transplantation Society. August, 1984.
6. Weir MR, Josselson, J., Sadler, J.H. Bi-weekly vs. thrice-weekly hemodialysis: Five year analysis of morbidity and mortality. American Society of Nephrology. December, 1984.
7. Medical Grand Rounds: Maryland General Hospital. "Use of Cyclosporine in Transplantation Today." September, 1983.
8. Nephrology Grand Rounds: Baltimore City Hospital. "Use of HLA-typed apheresis byproducts as alloenhancing agents in prospective renal transplant recipients." December, 1983.
9. Medical Grand Rounds: Waterbury Hospital, CT. "Use of Cyclosporine in Renal Transplantation." January, 1984.

10. Nephrology Grand Rounds: Yale-New Haven Hospital. "Cyclosporine as an immunomodulatory of the mixed lymphocyte reaction." January, 1984.
11. Medical Grand Rounds: Southern Maryland Hospital. "Newer agents in the treatment of hypertension." May, 1984.
12. Nephrology Grand Rounds: The Johns Hopkins Hospital. "Rat model of Cyclosporine Nephrotoxicity." May, 1984.
13. Medical Grand Rounds: Southern Maryland Hospital. "Newer agents in the treatment of hypertension." May, 1984.
14. Medical Grand Rounds: Perry Point V.A. Hospital. "Hypertension Update: 1984." September, 1984.
15. Nephrology Grand Rounds: Francis Scott Key Hospital. "Comparison Study of Bi-weekly vs. thrice-weekly hemodialysis." November, 1984.
16. Medical Grand Rounds: Union Memorial Hospital. "Controversies in Anti-hypertensive Therapy." December, 1984.
17. Medical Grand Rounds: Rutgers/New Jersey Medical School. "Immunologic Basis of Action of Cyclosporine." December, 1984.
18. WBJC Radio. Discussion of the use of cyclosporine in renal transplantation. January 1985.
19. Medical Grand Rounds: Church Home Hospital. "Newer agents in the treatment of hypertension." February, 1985.
20. Medical Housestaff Conference: Prince George's General Hospital. "Management of Hypertension in 1985." February, 1985.
21. Medical Grand Rounds: Mercy Hospital. "Use of Cyclosporine in Organ Transplantation." March 1985.
22. Medical Grand Rounds: Doctor's Hospital. "Electrolyte Disorders." May, 1985.
23. Housestaff Medical Conference: Greater Baltimore Medical Center. "Acid-Base Disorders." June, 1985.
24. 11th Annual Family Medicine Review Course, Ocean City, Maryland. "Are Thiazides Still Appropriate for Hypertension." June, 1985.
25. Medical Grand Rounds: Harford Memorial Hospital. "Treatment of Hypertension in the Elderly." August, 1985.
26. Medical Staff Basic Science Lecture: Greater Baltimore Medical Center. "Pathogenesis and treatment of hypertension in the elderly." August, 1985.
27. Housestaff Medical Conference: Mercy Hospital. "Renal Transplantation and Immunosuppression." September, 1985.
28. Invited Speech at Semiannual Meeting of the Medical and Chirurgical Faculty of Maryland. "Extrapulmonary Tuberculosis in a Community Hospital Experience." Bermuda, September, 1985.
29. Medical Grand Rounds: Kirk Army Hospital. "Treatment of hypertension in the elderly." September, 1985.
30. Cyclosporine Symposium: Practical, Clinical and Economic issues in the cyclosporine-treated patient. Panelist and speaker. Chicago, IL. September, 1985.
31. Medical Grand Rounds: Fallston General Hospital. "Newer Agents in the Treatment of Hypertension." September, 1985.
32. Medical Grand Rounds: Mercy Hospital, "Extrapulmonary Tuberculosis." October, 1985.
33. Medical Grand Rounds: St. Joseph's Hospital. "Are Thiazides Still Relevant in Treatment of Hypertension." October, 1985.
34. Invited Panelist in National Conference: "Clinical Management of the Renal Transplant Recipient Treated with Cyclosporine." Palm Beach Florida, November, 1985.
35. Medical Grand Rounds: Peninsula General Hospital. "Newer Agents in the Treatment of Hypertension." November, 1985.
36. Invited Speaker: Symposium on Medical Update, Harford Memorial Hospital. "Organ Transplantation: Update." November, 1985.
37. Weir MR "Acute Effects of Hemodialysis on Lymphocyte Subpopulations and Response to PHA." Presentation at Joint Session National Kidney Foundation American Society of Nephrology, December, 1985.
38. Medical Grand Rounds: Waterbury Hospital Health Center. "Newer Developments in the Treatment of Hypertension." December, 1985.
39. Housestaff Medical Conference: Mercy Hospital. "Hypertension Update, 1986." January, 1986.
40. Invited Speaker: Constant Care Medical Center. "Evaluation and Treatment of Hypertension." March, 1986.
41. Invited Visiting Professorship and Medical Grand Rounds, Hahnemann University Hospital, Philadelphia, Pennsylvania. "New Insights into Immunosuppressive Therapy in Organ Transplantation." March, 1986.
42. Invited Speaker: AMA of Southern New Jersey. "Calcium Channel Blockers and their use in hypertension today." March, 1986.
43. Columbus, Eldersburg, MD. "Hypertension Evaluation and Detection." March, 1986.

44. Medical Grand Rounds: Perry Point VA Hospital. "Hypertension Update-Transcutaneous Delivery Systems." May, 1986.
45. Weir MR Incidence of cytomegalovirus disease in cyclosporine-treated renal transplant recipients based on donor/recipient pre-transplant immunity. American Society of Transplant Physicians, Chicago, IL. May, 1986.
46. Medical Conference: Greater Baltimore Medical Center. "Hypertension Update-Transcutaneous Delivery Systems." June, 1986.
47. Medical Grand Rounds: Howard University Hospital, Washington D.C. "Update in Hypertension, 1986." June, 1986.
48. Medical Conference: Pentagon Army Medical Clinic. "Update in Hypertensive Therapy-Focus on Blood Lipids." August, 1986.
49. Weir MR, Irwin, B.C., Maters, A.W., Genemans, G., Shen, S.Y., Charache, P., Williams G.M. Morbid outcome of cytomegalovirus-negative transplant recipients receiving cytomegalovirus-positive kidneys. XI International Congress of the Transplantation Society, August, 1986, Helsinki, Finland (Presented).
50. Weir MR, Shen, S.Y., Dagher, F.J., Bentley, F.R., Sadler, J.H. A short term analysis of the effect of cyclosporine and source leukocyte transfusions on the cytotoxic antibody production of highly sensitized prospective renal transplant recipients. XI International Congress of the Transplantation Society, August, 1986 Helsinki, Finland (Presented).
51. Invited Presentation: Annual Meeting of the Virginia Academy of Family Practice, Vienna, Virginia. "Newer Strategies in Anti-hypertensive Therapy: 1986." September, 1986.
52. WNTR Radio. Discussion about What's New in Transplantation. September, 1986.
53. Medical Conference: University of Louisville, Louisville, KY. "Importance of Quality of Life and Side Effects in Anti-Hypertensive Therapy." October, 1986.
54. Medical Conference: Eastern Shore Hospital, Cambridge, MD. "Acid-Base and Electrolyte Disorders," October, 1986.
55. Visiting Professor of the People to People Citizen Ambassador Program to the People's Republic of China. Conferences and Lectures on organ transplantation and treatment of hypertension at: the Beijing Friendship Hospital, Peking Union Medical College in Beijing, and the Jinling Hospital in Nanjing. October, 1986.
56. Medical Conference and Visiting Professor at the University of Iowa Hospital, Iowa City, IA. "The effects of Calcium Channel Blockade on Lymphocyte Activation and Function." November, 1986.
57. Invited Speaker: Investigator's Meeting for the "Verapamil vs Captopril vs Atenolol in Hypertensive Blacks," study at Hilton Head, S.C. "Hemodynamic effects of Verapamil, Captopril and Atenolol in Hypertensives." November, 1986.
58. Medical Conference: Physician's Memorial Hospital, LaPlata, MD. "Acid-Base and Electrolyte Disorders." November, 1986.
59. Weir MR, Peppler, R., Handwerger, B.S., Inhibition of human peripheral blood mononuclear cell function by Verapamil. American Society of Nephrology, Washington, D.C., December, 1986.
60. Medical Grand Rounds: Union Hospital, Cecil, MD. "Update in Organ Transplantation." January, 1987.
61. Research Conferences and Visiting Professor: Wayne State University, Detroit, MI "Use of calcium channel blockers in organ transplantation" and "A physiologic approach to the control of blood pressure while maintaining organ perfusion," February, 1987.
62. Medical Grand Rounds: Beltsville Hospital, Laurel, MD. "Update in anti-hypertensive therapy, 1987." February, 1987.
63. Medical Grand Rounds: Mercy Hospital, Baltimore, MD. "A physiologic approach to the control of blood pressure while maintaining organ perfusion." March, 1987.
64. Research Conferences and Visiting Professor: University of Cincinnati Medical Center, Cincinnati, OH. "Use of calcium channel blockers in hypertension and as immunomodulatory agents." March, 1987.
65. Research Conferences and Visiting Professor: The Cleveland Clinic Foundation, Cleveland, OH. "Use of calcium channel blockers in hypertension and as immunomodulatory agents." March, 1987.
66. Weir MR, Josselson, J., Hebel, J.R., Sadler, J.H., Saunders, E. "End-stage Renal Disease secondary to hypertension: 5 year analysis of morbidity and mortality." Presentation at the Second International Interdisciplinary Conference on Hypertension in Blacks. March, 1987.
67. Invited speaker at Symposium preceding American College of Cardiology, Tulane University School of Medicine. "Expanding Options in Hypertension Therapy: Calcium Channel Blockers." New Orleans, La. March, 1987.
68. Invited speaker at symposium of Maryland Academy of Family Practice: "Use of ACE Inhibitor and calcium channel blockers in the treatment of hypertension." Easton, MD, March, 1987.
69. Medical Grand Rounds: Riverside Hospital, Newport News, Va. "A physiologic approach to the control of blood pressure while maintaining organ perfusion." April, 1987.

70. Medical Grand Rounds: Doctor's Hospital, Prince George, MD. "Electrolyte Disorders a simplified approach." April, 1987.
71. Medical Research Conference: Cedars-Sinai Medical Center, Miami, FL. "Physiology of anti-hypersensitivity and how to achieve blood pressure control." May, 1987.
72. Moderator and speaker, Symposium: "Focus on Ace Inhibitors." Baltimore, MD, May, 1987.
73. Weir MR Presentation at American Society of Transplant Physicians, Chicago, IL: "Additive effect of cyclosporine and verapamil on the inhibition of the activation and function of human peripheral blood mononuclear cells." May, 1987.
74. Weir MR Presentation of the American Society of Transplant Physicians, Chicago, IL: "Incidence and morbidity of cytomegalovirus disease in a seronegative recipient of seropositive donor specific transfusion and living relative donor transplantation: a multi-center evaluation." May, 1987.
75. Medical Grand Rounds: Altoona V. A. Hospital, Altoona, Pa. "Newer approaches to the treatment of hypertension." June, 1987.
76. Weir, MR. Presentation at International Society of Nephrology, London U.K. "Additive inhibition of verapamil and cyclosporine on lymphocyte activation." July, 1987.
77. Invited Speaker: American Academy of Family Practice Annual Meeting. "Managing hypertension in modern family practice." San Francisco, CA, September, 1987.
78. Invited Speaker: Church Home Hospital. "Renal-Electrolyte Disorders." October 1987.
79. Invited Speaker: Broward General Hospital Medical Grand Rounds, Miami, FL. "Use of calcium antagonists in the treatment of hypertension." October, 1987.
80. Invited Speaker: Waynesboro Hospital Grand Rounds, Waynesboro, PA. "Update in Organ Transplantation." October, 1987.
81. Weir MR, Presentation at Second International Congress on Cyclosporine, Washington, D.C. "Additive Inhibition of human peripheral blood mononuclear cell-function by verapamil and cyclosporine." November, 1987.
82. Invited Speaker: Latrobe Area Hospital Medical Grand Rounds, Latrobe, PA. Hypertension update: "Prevention of End-Organ Damage." November, 1987.
83. Weir MR Presentation at the American Society of Nephrology 20th Annual Meeting. "Inhibition of verapamil and the activation and function of human peripheral blood mononuclear cells in additive with cyclosporine and may occur through calcium independent mechanisms." December 1987.
84. Visiting Professor: Parkland Memorial Hospital, Dallas, TX. Medical Research Conferences: "Subcellular effects of verapamil and cyclosporine on calcium metabolism in lymphocytes" and "A physiologic approach to the control of blood pressure from a nephrologist's standpoint." January, 1988.
85. Invited Speaker: Symposium preceding the American College of Cardiology. Topic: "Impact of high blood pressure on the kidney." Atlanta, Georgia. March, 1988.
86. Plenary Session Speech: International Interdisciplinary Conference on Hypertension in Blacks. Topic: "Implication of high blood pressure on renal function." Baltimore, MD. April, 1988.
87. Invited Speaker: Symposium on: "Newer aspects of cardiovascular therapy." Sponsored by The University of Massachusetts. "Renal aspects of antihypertensive therapy." Boston, MA. May, 1988.
88. Weir MR Presentation at the American Society of Transplant Physicians 7th Annual Meeting. "Acute effects of cyclosporine on blood pressure, renal hemodynamics and urine prostaglandin production in healthy humans." Chicago, IL. May, 1988.
89. Visiting Professor: Oregon Health Sciences University, Portland, OR. Medical Research Conferences: "Subcellular effects of verapamil and cyclosporine on calcium metabolism in lymphocytes" and "A physiologic approach to the control of blood pressure from a nephrologist's standpoint." June, 1988.
90. Weir MR Presentation at the American Society of Hypertension 3rd Annual Meeting. "Effect of the thromboxane synthetase inhibitor CGS 13080 on blood pressure, renal hemodynamics and prostaglandin production in hypertensive humans" and "Efficacy and safety of nilvadipine in hypertension." New York, N.Y. June, 1988.
91. Weir MR Research Lecture at the University of Mississippi Medical Center. "Impact of antihypertensive agents on renal hemodynamics: can they arrest the progression of renal disease?" July, 1988.
92. Weir MR Medical Grand Rounds: St. Joseph's Hospital, Yonkers, N.Y. "A physiologic approach to the control of blood pressure: can it offer target organ protection?" July, 1988.
93. Weir MR Medical Grand Rounds: Richmond V.A. Hospital, Richmond, Va. "Impact of antihypertensive therapy on target organ protection." August, 1988.
94. Weir MR Two presentations at the XII International Congress of the Transplantation Society in Sydney, Australia. "Additive inhibitory effect of cyclosporine and verapamil may occur through independent mechanisms which may be dependent or independent of the slow calcium channel" and "The acute effects of intravenous cyclosporine on renal function in healthy humans." August, 1988.

95. Weir MR Medical Grand Rounds: Maryland General Hospital, Baltimore, Maryland. "Evolving goals in the treatment of hypertension." September, 1988.
96. Weir MR Presentation at a symposium at the American Academy of Family Practice, New Orleans, LA. "Target organ protection: impact of antihypertensive therapy on the kidney." October, 1988.
97. Weir MR Medical Grand Rounds: Harrisburg Hospital, Harrisburg, PA. "Evolving goals in the treatment of hypertension with focus on target organ protection." October, 1988.
98. Weir MR Medical Grand Rounds: Bedford V.A. Hospital, Bedford, MA. "Evolving goals in the treatment of hypertension." October, 1988.
99. Weir MR Symposium: Sponsored by the Cleveland Clinic, Cleveland, OH. "Impact of antihypertensive therapy on the kidney: target organ protection." November, 1988.
100. Weir MR Presentation at the 61st American Heart Association Meeting, Washington, D.C. "Effect of verapamil on renal hemodynamics in normotensives." November, 1988.
101. Weir MR. Presentation at the 21st Annual Meeting of the American Society of Nephrology, San Antonio, Tx. "Mechanisms of additive inhibition of immunologic responses of cyclosporine and verapamil." December, 1988.
102. Weir MR Medical Grand Rounds: Bronx VA Hospital, Bronx, N.Y. "Physiology of blood pressure control: focus on target organ protection." January, 1989.
103. Weir MR Visiting Professor and Research Conferences: Miami VA Hospital and Jackson Memorial Hospital. "Impact of the effect of ACE inhibitors and calcium antagonists on target organ protection in the kidney."
104. Weir MR Research Conference: Albert Einstein Medical Center, Bronx, N.Y. "Physiology of blood pressure control: focus on target organ protection."
105. Weir MR Medical Grand Rounds: Oakland Naval Hospital, Oakland, CA. "Can we prevent target organ damage to the kidney." March, 1989.
106. Weir MR Medical Conference: Bethesda Naval Hospital, Bethesda, MD. "A physiologic approach to blood pressure control while maintaining organ perfusion." March, 1989.
107. Weir MR Medical Grand Rounds: Wilkes-Barre VA Hospital, Wilkes Barre, PA. "Magnesium deficiency: clinical implications." March, 1989.
108. Weir MR Medical Grand Rounds: St. Joseph's Hospital, Pontiac, MI. "Target organ damage in hypertension: can we prevent it?" March, 1989.
109. Medical Grand Rounds: Letterman Army Hospital, San Francisco, CA. "A physiologic approach to blood pressure control while maintaining organ perfusion," May, 1989.
110. Weir MR Presentation at the 4th Annual Meeting of the American Society of Hypertension. "Comparison of the efficacy of atenolol, captopril and verapamil SR in hypertensive blacks." New York, N.Y., May, 1989.
111. Weir MR Presentation at the 4th Annual Meeting of the American Society of Hypertension. "A multifactorial evaluation of the antihypertensive efficacy of the combination of diltiazem and hydrochlorothiazide." New York, N.Y., May, 1989.
112. Weir MR Presentation at the 8th Annual Meeting of the American Society of Transplant Physicians. "Mechanisms of additive inhibition of immunological responses by verapamil and cyclosporine." Chicago, IL., May, 1989.
113. Weir MR Presentation at the 8th Annual Meeting of the American Society of Transplant Physicians. "The acute effects of intravenous cremophor EL on blood pressure, renal hemodynamics and urine prostaglandin production of healthy humans." Chicago, IL., May, 1989.
114. Invited Speaker: Maryland Academy of Family Practice Annual Meeting: Ocean City, Maryland. "Physiologic Approach to blood pressure control while maintaining organ perfusion." May, 1989.
115. Weir MR Medical Grand Rounds: Washington Adventist Hospital, Washington, D.C. "A physiologic approach to blood pressure control while maintaining organ perfusion." June, 1989.
116. Invited Speaker: "Hypertension Symposium," "Race as a variable factor in the management of hypertension." Hilton Head, S.C., June, 1989.
117. Weir MR Medical Grand Rounds: National Rehabilitation Hospital, Washington, D.C. "Physiologic approach to blood pressure control while maintaining organ perfusion." June, 1989.
118. Invited Speaker: National Medical Association Annual Meeting, Orlando, FL. "Physiology of blood pressure control in black hypertensives; impact on renal protection." July, 1989.
119. Invited Speaker: Medical Grand Rounds, Sinai Hospital, Baltimore, MD: "The physiologic approach to blood pressure control while maintaining organ perfusion," September, 1989.
120. Invited Speaker: Satellite Symposium of the American Academy of Family Practice. "Physiology of blood pressure control: implication for renal protection," Los Angeles, CA, September 1989.
121. Invited Speaker: Medical Grand Rounds, Southern Maryland Hospital, LaPlata, MD: "The physiology of blood pressure control." September, 1989.
122. Invited Speaker: Medical Grand Rounds, Cumberland Memorial Hospital: "The physiologic approach to blood pressure control while maintaining organ perfusion," Cumberland, MD 1989.

123. Invited Speaker: Renal Grand Rounds, Georgetown University: "The impact of blood pressure control on renal protection." October, 1989.
124. Invited Speaker: Medical Grand Rounds, Liberty Medical Center: "Impact of blood pressure control on renal function." October, 1989.
125. Invited Speaker: Renal Grand Rounds, Francis Scott Key Medical Center: "Impact of blood pressure control on renal function." November, 1989.
126. Visiting Professor: UCLA, Los Angeles, CA. UCLA Nephrology Society: "The use of calcium antagonists in organ transplantation," Medical Grand Rounds,
127. Sepulveda VA Hospital: "The physiologic approach to blood pressure control while maintaining organ perfusion," Nephrology Research Conference, Wadsworth VA Hospital: "Acid base and electrolyte disorders." November 1989.
128. Invited Speaker: Nephrology Grand Rounds, University of Louisville, Louisville, KY: "Implications of blood pressure control on renal function." November 1989.
129. Invited Speaker: Medical Grand Rounds, Monmouth Medical Center, Monmouth, N.J: "The physiologic approach to blood pressure control while maintaining organ perfusion." November 1989.
130. Weir MR Presentation at the 22nd Annual Meeting of the American Society of Nephrology, Washington, D.C: "Immunosuppressive properties of enisoprost and SC-45662 (5-lipoxygenase inhibitor). December 1989.
131. Weir MR Presentation at the 22nd Annual Meeting of the American Society of Nephrology, Washington D.C: "Tripterygium Wilfordii, a chinese herbal medicine with potent immunosuppressive properties." December 1989.
132. Invited Speaker: Medical Grand Rounds, Brooke Army Medical Center, San Antonio, Tx: "Impact of blood pressure control in renal function." December 1989.
133. Invited Speaker: Medical Grand Rounds, D.C., General Hospital, Washington, D.C.: "The physiologic approach to blood pressure control while maintaining organ perfusion." December 1989.
134. Invited Speaker: Cardiology Grand Rounds, Yale New Haven Medical Center, New Haven, CT: "The physiology of blood pressure control: impact on vascular disease." January, 1990.
135. Invited Speaker: Toronto General Hospital, Toronto, Canada: "Impact of blood pressure control on renal function." January 1990.
136. Invited Speaker: Nephrology Research Conference, Vanderbilt University, Nashville, TN: "Impact of calcium channel blockade and inhibition of prostaglandin synthesis on the activation and function of peripheral blood lymphocytes." January, 1990.
137. Invited Speaker: Nephrology Grand Rounds, Miami VA Hospital, Miami, Florida: "Calcium channel
138. blockers in organ transplantation: Implications for therapy." February, 1990
139. Invited Speaker: Medical Grand Rounds, Flushing Hospital, Flushing, N.Y.: "Hypertension in the elderly: an important concern," March, 1990.
140. Invited Speaker: Interfaith Medical Center, Brooklyn N.Y: "Hypertension in the elderly."
141. March, 1990.
142. Invited Speaker: Satellite Symposium preceding the American College of Cardiology: "The impact of calcium blockade on lymphocyte activation and function. March, 1990.
143. Invited Speaker: Research Grand Rounds, University of Indiana, Indianapolis, Indiana: "Impact of blood pressure control on renal function." April, 1990.
144. Invited Speaker: Annual Meeting of the North Carolina Academy of Rheumatology, Raleigh, N.C: "Musculoskeletal symptomatology in dialysis and transplant patients." April, 1990.
145. Invited Speaker: Medical Grand Rounds, University of Tennessee, Knoxville, TN. "The physiologic approach to blood pressure control while maintaining organ perfusion." April, 1990.
146. Invited Speaker: Medical Grand Rounds, St. Joseph's Hospital, Towson, MD: "The implications of renal prostanoid synthesis on renal function." April, 1990.
147. Invited Speaker: Medical Grand Rounds, Good Samaritan Hospital, Lebanon, PA, "The physiology of blood pressure control," April, 1990.
148. Invited Speaker, plenary program, International Society of Hypertension in Blacks Annual Meeting, Long Beach, CA. "Quality of Life, the cornerstone of antihypertensive management," May 1990.
149. Weir MR Presentation at the 5th Annual Meeting of the American Society of Hypertension. "Favorable effects of nifedipine on the quality of life during hypertension treatment," May 1990.
150. Invited Speaker: Medical Grand Rounds, University of Arkansas Medical Center, Little Rock, AR. "Antihypertensive therapy and the kidney: Is renal protection possible," May 1990.
151. Invited Speaker: Medical Grand Rounds, Henry Ford Hospital, Detroit, MI. "Prostaglandins and the kidney," May 1990.
152. Invited Speaker, plenary program, American Society of Transplant Physicians Annual Meeting, Chicago, IL. "The use of calcium antagonists in Organ Transplantation," May 1990.

153. Weir MR Presentation at the 9th Annual Meeting of the American Society of Transplant Physicians. "Verapamil has immunosuppressive properties unrelated to its ability to block slow calcium channel," June 1990.
154. Weir MR Presentation at the 9th Annual Meeting of the American Society of Transplant Physicians. "Immunosuppressive properties of enisoprost and SC45662 (5-Lipoxygenase Inhibitor)," June 1990.
155. Medical Grand Rounds, Philadelphia Naval Hospital, Philadelphia, PA. "Prostaglandins and the kidney," July 1990.
156. Medical Grand Rounds, St. Joseph's Hospital, Atlanta, GA. "Prostaglandins and the kidney, August, 1990.
157. Invited Speaker: Medical Grand Rounds, York Hospital, PA. "Prostaglandins and the kidney," August, 1990.
158. Invited Speaker, Plenary Session, 9th Annual Meeting of the American Society of Transplant Physicians, San Francisco. "Immunosuppressive properties of enisoprost and SC45662 (5-Lipoxygenase Inhibitor)," August, 1990
159. Invited Speaker: Transplantation Grand Rounds/Research Conference University of Wisconsin Medical Center, Madison, WI. "Newer immunosuppressive agents." August, 1990.
160. Invited Speaker: Medical Symposium, Delaware County Medical Society, Philadelphia, PA. "Antihypertensive therapy and the kidney," October, 1990.
161. Invited Speaker: Research Conference, East Carolina University Medical Center, Greenville, N.C. "Newer immunosuppressive agents," October, 1990.
162. Invited Speaker: Medical Grand Rounds, St. John's Hospital, Detroit, MI. "A physiologic approach to blood pressure control," October, 1990.
163. Invited Speaker: Medical Grand Rounds, Harford Memorial Hospital, Havre de Grace, MD. "Antihypertensive agents and the kidney," October, 1990.
164. Invited Speaker: American College of Clinical Pharmacy Symposium, Atlanta, GA. "A physiologic approach to blood pressure control," November, 1990.
165. Invited Speaker, Medical Grand Rounds & Teaching Sessions, The Reading Hospital, Reading, PA. "Prostaglandins and the kidney," November, 1990.
166. Medical Grand Rounds, Vassar Brothers Hospital, Poughkeepsie, N.Y. "The physiology of blood pressure control," December, 1990.
167. Invited Speaker, American Society of Nephrology Satellite Symposium, Washington, D.C. "Hypertensive renal injury in blacks: Implications for therapy," December, 1990.
168. Weir MR. Presentation at the American Society of Nephrology Symposium, Washington, D.C. "The antiproliferative effect of verapamil on human peripheral blood lymphocytes is independent of calcium channel inhibitors, December, 1990.
169. Weir MR. Presentation at the American Society of Nephrology Symposium, Washington, D.C. "Suppression of urinary thromboxane does not improve renal function in cyclosporine-treated renal transplant recipients," December, 1990.
170. Invited Speaker, Research Conference and Visiting Professor, Miami VAH, Miami, FL. "Prostaglandins and the kidney, December, 1990.
171. Invited Speaker: Medical Grand Rounds, Univ of Illinois, Chicago, IL. "The physiology of blood pressure control: implications for target organ protection," May, 1991.
172. Invited Speaker: America Heart Assoc Forum. Chicago, IL. "The genesis of cyclosporine-mediated hypertension." May, 1991.
173. Weir MR. Presentation at the 10th Annual Meeting of the American Society of Transplant Physicians, Chicago, IL. "The antiproliferative effect of verapamil on human peripheral blood mononuclear cells in independent of calcium channel inhibition." May, 1991.
174. Moderator & Presenter, Postgraduate Course of the American Society of Transplant Surgeons, Chicago, IL. "The emerging role of calcium antagonists in Organ Transplantation," May, 1991.
175. Invited Speaker: Medical Grand Rounds, Harper Hospital-Wayne State Univ., Detroit, MI. The immunosuppressive effects of calcium antagonists in organ transplantation," January, 1991.
176. Invited Speaker: UCSD Course: Advanced nephrology for the consultant. "Newer aspects of inductive immunotherapy "and" cyclosporine and the kidney," February, 1991.
177. Invited Speaker: Florida Academy of Family Physicians Orlando, FL. "Renal considerations with antihypertensive therapy," February, 1991.
178. Invited Speaker: American College of Cardiology Satellite Symposium, Kona HI. "Physiologic approach to blood pressure control: Implications for target organ protection," February, 1991.
179. Invited Speaker: Medical Grand Rounds, Portsmouth Naval Hospital, Portsmouth, VA. "Hypertension and the Kidney," February, 1991
180. Invited Speaker: Medical Grand Rounds: The Hoag Hospital, Newport Beach, CA. "The physiology of blood pressure control: implications for target organ protection," March, 1991.

181. Invited Speaker: UCSD symposium on "Recent advances in geriatric medicine." Presentation on: "Diabetic hypertension: a special problem," March, 1991.
182. Invited Speaker: Medical Grand Rounds, Division of Family Medicine, EVMS, Norfolk, VA. "Demographic issues in blood pressure management," March, 1991.
183. Invited Speaker: Medical Grand Rounds, Andrews AFB Hospital." Secondary causes of hypertension: Focus on the kidney," March, 1991.
184. Invited Speaker: Jefferson Medical College Symposium on Diabetes, Philadelphia, PA. "Hypertension and Diabetes: Physiologic Approaches," March, 1991.
185. Invited Speaker/Visiting Professor: Southern Illinois School of Medicine, Springfield, IL. Medical Grand Rounds, "The physiology of blood pressure control: Implications for target organ protection," April, 1991.
186. Invited Speaker: AHA Symposium on "Cardiovascular Diseases: Drug therapy," Baltimore, MD presentations on: "The Blockers" and "Therapeutic approaches to blood pressure control in minorities," May, 1991.
187. Invited Speaker: American Society of Gerontology, Chicago, IL. "Hypertension and the kidney," May, 1991.
188. Invited Speaker: Renal Grand Rounds at Francis Scott Key Medical Center, Baltimore, MD. "Calcium Antagonists in Organ Transplantation," May, 1991.
189. Invited Speaker: Transplant Grand Rounds at Washington Hospital Center, Washington, D.C. "In vitro methods for monitoring immunosuppression in organ transplant recipients," May 1991.
190. Invited Speaker: AHA Forum, Univ. of Chicago, Chicago IL. "Cyclosporine and the kidney," May 1991.
191. Weir MR: Presentation at the American Society of Transplant Physicians, Chicago, IL. "The antiproliferative effect of verapamil on human peripheral blood mononuclear cells is independent of calcium channel inhibition." May 1991.
192. Chairman of Symposium. 1991 American Society of Transplant Surgeons, Chicago, IL. "The clinical use of calcium antagonists in renal transplant recipients." May, 1991.
193. Invited Speaker: Medical Grand Rounds, Moses-Cone Community Hospital, Greensboro, NC. "Diabetes and Hypertension: Accelerated risk for renal injury." July, 1991.
194. Invited Speaker: NC Academy of Family Practice, Atlantic Beach, NC. "Acute Renal Failure." July, 1991.
195. Invited Speaker: Medical Grand Rounds, Medical Center of Delaware, Christiana, DE. "The physiology of blood pressure control: Implications for target organ protection." July 1991.
196. Invited Speaker: National Medical Association Meeting, Indianapolis, IN. "Hypertension and Renal Injury in Blacks," and "Update on Clinical Immunosuppression in Organ Transplantation." July 1991.
197. Invited Speaker: Illinois Academy of Family Practice, Chicago, IL. "Update in Organ Transplantation," August, 1991.
198. Invited Speaker: Medical Grand Rounds, Union Memorial Hospital, Baltimore, MD. "The Physiology of Blood Pressure Control: Implications for Target Organ Protection." August, 1991.
199. Invited Speaker: Medical Grand Rounds, Home Medical Center, Erie, PA. "The Physiology of Blood Pressure Control: Implications for Target Organ Protection." August, 1991.
200. Invited Speaker: Univ of Connecticut Nephrology Grand Rounds, St Francis Hospital, Hartford, CT. "Hypertensive Nephropathy: Is it preventable?" September, 1991.
201. Invited Speaker: Research Conference. Baystate Medical Center, Springfield, MA. "Newer approaches for inductive immunosuppression." September, 1991.
202. Invited Speaker: Medical Grand Rounds, Harlem Hospital Center, New York, NY. "Hypertension and Kidney Disease in Blacks," October, 1991.
203. Invited Speaker: Medical Grand Rounds, St. Agnes Hospital, Baltimore, MD. "The physiology of blood pressure control: Implications for Target Organ Protection." October, 1991.
204. Invited Speaker: Medical Grand Rounds, E. Orange VA Medical Center, Orange, NJ. "The physiology of blood pressure control: Implications for Target Organ Protection." October, 1991.
205. Weir MR. Presentation at the NIDDK Conference: Kidney Disease and Hypertension in Blacks. "Renal hemodynamic and antihypertensive effects on isradipine of salt-insensitive hypertensive patients on high and low sodium diets." November, 1991.
206. Invited Speaker: Medical Grand Rounds, East Carolina Univ, Greenville, NC. "The physiology of blood pressure control: Implications for target organ protection." December 1991.
207. Invited Speaker: Medical Grand Rounds, Oak Knoll Naval Hospital, Oakland CA. "The physiology of blood pressure control: Implications for renal protection." January, 1992.
208. Invited Speaker: Medical Grand Rounds, Livermore VAH, Livermore, CA. "The physiology of blood pressure control: Implications for renal protection." January 1992.
209. Invited Speaker: Medical Grand Rounds, Liberty Medical Center, Baltimore MD. "Diabetes and Hypertension: Accelerated risk for renal injury." January, 1992.

210. Invited Speaker: Medical Grand Rounds, Harford Memorial Hospital, Havre de Grace, MD. "The physiology of blood pressure control: Implications for target organ protection. February, 1992.
211. Invited Speaker: Medical Grand Rounds, Martin Luther King Hospital, Los Angeles, CA. "Race, Diabetes, and Hypertension. "Accelerated risk for renal injury." February, 1992.
212. Invited Speaker: Rheumatology Research Conference, Northwestern University Hospital, Chicago, IL "Non-steroidal Renal Syndromes." March, 1992.
213. Invited Speaker: Florida Academy of Family Practice Annual Meeting, Perdicho Beach, FL. "Non-steroidal renal syndromes. " March, 1992.
214. Invited Speaker: Medical Grand Rounds, Sacred Heart Hospital, Spokane, WA. "The physiology of blood pressure control: Implications for target organ protection." March, 1992.
215. Invited Speaker: Nephrology Conference, Thomas Jefferson University Hospital, Philadelphia, PA. "The physiology of blood pressure control: implications for renal protection." March, 1992.
216. Invited Speaker: Research Conference, University of South Florida, Tampa, FL. "Ion flux and lymphocyte activation." April, 1992.
217. Weir MR. Presentation at the 5th Annual Meeting of American Society of Hypertension, New York, NY. "Effects of salt and isradipine on platelet Ca⁺⁺ in salt sensitive and insensitive hypertensive patients." May, 1992.
218. Invited Speaker: Satellite Symposium of the 5th Annual Meeting of the American Society of Hypertension, New York, NY. "Is reducing proteinuria an important goal in the hypertensive diabetic?" May, 1992.
219. Invited Speaker: Medical Grand Rounds, University of New Mexico, Albuquerque, NM. "The physiology of blood pressure control: Implications for target organ protection." May 1992.
220. Invited Speaker: Nephrology Research Conference, University of Virginia, Charlottesville, VA. "Diabetes and Hypertension: Accelerated risk for renal injury." May 1992.
221. Weir MR. Presentation at the 11th Annual Meeting of the American Society of Transplant Physicians, Chicago, IL. "Mechanisms responsible for inhibition of lymphocyte activation by agents which block membrane calcium on potassium channels." May, 1992.
222. Invited Speaker: Canadian Consensus Conference on Renal/Endocrine Medical Problems, "Diabetes and Hypertension: Accelerated risk for Renal Injury." Calgary, Alberta. May, 1992.
223. Invited Speaker: Medical Grand Rounds, York Hospital, York, PA. "Non-steroidal renal syndromes." June 1992.
224. Invited Speaker: Satellite Symposium at National Medical Association Meeting, San Francisco, CA. "Influence of Race on the risk for hypertensive renal injury." August 1992.
225. Weir MR. Mechanisms responsible for inhibition of lymphocyte activation by agents which block membrane calcium or potassium channels. Presentation at International Congress of the Transplantation Society, Paris, France. August, 1992.
226. Invited Speaker: Medical Grand Rounds, Frederick Memorial Hospital, Frederick, MD "Hypertension and Diabetes: Accelerated risk for renal injury." August, 1992.
227. Invited Speaker: Geriatrics Research Conference and Department of Internal Medicine Symposium on "Health Issues in the Elderly," University of Iowa Hospital and Clinics, Iowa City, IA. "Influence of Aging and Hypertension on Renal Function in the elderly." September, 1992.
228. Invited Speaker: Kansas University Nephrology Society: "Update in Newer Therapeutic Modalities in Organ Transplantation." October. 1992.
229. Invited Speaker: American Dietetic Association National Meeting, Washington, DC. Influence of Non-pharmacologic/Pharmacologic interventions of the rate of progression of renal disease. October, 1992.
230. Invited Speaker: Medical Grand Rounds, Southern Maryland Medical Center, Clinton, MD. "The physiology of blood pressure control: Implications for target organ protection." November, 1992. Invited Session Chairman/Speaker at the National Kidney Foundation Annual Meeting, Baltimore, MD. Session: Special Considerations in Antihypertensive Therapy. "Hypertensive Nephropathy: Will a more physiologic approach to blood pressure control reduce the risk for renal injury?" November, 1992.
231. Invited Speaker: Grand Rounds, Beth Israel Medical Center, New York, NY. "Hypertensive Renal Injury: Can it be prevented?" January 1993.
232. Panelist, Lifetime Medical Television. "A review of JNC V." January, 1993.
233. Invited Speaker: Research Conference, University of Massachusetts, Worcester, MA." Calcium antagonists in organ transplantation." January 1993.
234. Invited Speaker: Research Conference, Wayne State University School of Medicine. "Importance of ion flux on lymphocyte activation." March 1993.
235. Invited Speaker: Grand Rounds, Roosevelt Hospital, New York, NY. "The physiology of blood pressure control." March, 1993.
236. Invited guest speaker on Television: "Health Today" for Howard County Community College. "Life style adjustments important for blood pressure control." April, 1993.
- 237.

238. Invited Speaker: Grand Rounds, Methodist Hospital, Indianapolis, IN. "Prevention of target injury." April, 1993.
239. Visiting Professor, University of Texas Medical School, Houston, TX. "Research Conference: "Importance of ion flux on lymphocyte activation." May, 1993.
240. Visiting Professor, Baylor University College of Medicine, Houston, TX. Grand Rounds: "Hypertensive renal injury, can it be prevented?" May, 1993.
241. Invited Speaker: Grand Rounds, Washington VA Medical Center, Washington, D.C.: "Physiology of blood pressure control," June 1993.
242. Weir MR, Gomolka D, Handwerger BS. "Inhibition of lymphocyte activation by drugs that block calcium and potassium channels. Further insight into mechanisms of action." American Society of Transplant Physicians Abstract Book 1993; 12:311. Presented May, 1993
243. Keay S, Baldwin B, Weir MR. "Inhibition of CMV replication in vitro by the immunosuppressive agents Cyclosporine A, FK-506, and RS-61443." American Society of Transplant Physicians Abstract Book 1993;12:238. Presented May, 1993.
244. Invited Speaker: Renal Grand Rounds, Robert Wood Johnson Medical School, New Brunswick, NJ. "Update on Organ Transplantation," September 1993.
245. Invited Speaker: Renal Grand Rounds, Bowman-Gray School of Medicine, Winston Salem, NC. "Progression of Renal Disease," October 1993.
246. Invited Speaker: Renal Grand Rounds, Duke University Medical Center, Durham, N.C. "Calcium Antagonists in Organ Transplantation," October 1993.
247. Invited Speaker: Renal Grand Rounds, Medical College of Virginia, Richmond, VA. "Calcium Antagonists in Organ Transplantation," November 1993.
248. Invited Speaker: Satellite symposium at the American Heart Association, Atlanta, GA. "Calcium-independent Antiproliferative effects of Calcium Antagonists," November 1993.
249. Invited Speaker: Research Conference at University of Alabama, Birmingham AL. "Calcium-independent antiproliferative effects of calcium antagonists," November 1993.
250. Invited Speaker: Plenary Session at National Kidney Foundation Annual Meeting, Boston, MA. "Hypertensive Nephropathy in African-Americans," November 1993.
251. Invited Speaker: Plenary Session at American Society of Nephrology Annual Meeting, Boston, MA. "Delayed Allograft Function," November 1993.
252. Invited Speaker: American Society of Nephrology Clinical Program. "Hypertensive Nephropathy," November 1993.
253. Weir MR, Houston MC, Grey JM. Effects of NSAIDS on blood pressure controlled by verapamil. 26th Annual Meeting of the American Society of Nephrology, Boston MA.
254. Visiting Professor: Hahnemann University, Philadelphia, PA. "Renal protection: Where do ACE inhibitors and calcium channel blockers fit in?" January 1994.
255. Visiting Professor: University of South Carolina, Columbia, SC. "Influence of dietary sodium and insulin resistance on the risk for hypertensive renal injury." April 1994.
256. Renal Grand Rounds: George Washington University Hospital, Washington, D.C. "Influence of dietary sodium and insulin resistance on the risk for hypertensive renal injury." May 1994.
257. Weir MR, Hall PS, Behrens MT. Greater Antihypertensive response to the calcium antagonist isradipine in salt-sensitive vs. salt-resistant hypertensives. Am Soc Hypertens (Presented May 1994)
258. Weir MR, Behrens MT. Sodium sensitivity, independent of race, predicts higher filtration fraction and microalbuminuria in hypertensives on higher sodium intake. Am Soc Hypertens (Presented May 1994)
259. Weir MR. A pilot study to assess the influence of isradipine therapy on proteinuria in hypertensive patients with Type II diabetes. Am Soc Hypertens (Presented May 1994)
260. Invited Speaker: Symposium at American Society of Hypertension Annual Meeting. "Newer approaches for antihypertensive therapy." New York, NY, May 1994.
261. Invited Speaker: Association of Black Cardiologists Meeting. "Effects of angiotensin II on hypertensive vascular injury." Orlando, FL, July 1994.
262. Invited Speaker: National Medical Association Annual Meeting. "Influence of dietary sodium and insulin resistance on the risk for hypertensive renal injury in African-Americans." Orlando, FL, July 1994.
263. Invited Speaker: Southeastern Dialysis and Transplantation Association Annual Meeting. "Salutory influences of calcium channel blockers in the cyclosporine-treated organ transplant recipients." Memphis, TN, August 1994.
264. Invited Speaker: Nephrology Grand Rounds at the University of Miami Medical Center. "Influence of dietary salt and insulin resistance on the risk for hypertension and injury." February, 1995.
265. Invited Speaker: Nephrology Grand Rounds at State University of New York.
266. Invited Speaker: "Influence of dietary salt and insulin resistance on the risk for hypertension and injury." Syracuse, NY, April 1995.

267. Walker JA, Klassen DK, Hoehn-Saric EW, Hooper FJ, Schweitzer EJ, Johnson LB, Bartlett ST, Weir MR. Acute Pancreas allograft rejection after the first year: Predisposing factors". Am Soc Transplant Physicians. (Presented May 1995).
268. Weir MR, Saunders E, and the Tandolapril Multicenter Study Group. Differing mechanisms of action of angiotensin converting enzyme inhibition in black and white hypertensives. American Society of Hypertension (Presented May 1995).
269. Weir MR, Prisant LM, Papadimitriou, Weber MA, Adegbile IA, Alemayehu D, Lefkowitz MP. Correlation of prior antihypertensive therapy current therapy (amlodipine, bisoprolol/HCTZ, enalapril), adverse events and blood pressure reduction with changes in quality of life. American Society of Hypertension (Presented May 1995).
270. Weir MR, Dengel DR, Behrens MT, Goldberg AP. Salt-induced increases in systolic blood pressure affect renal hemodynamics and proteinuria. (Presented May 1995).
271. Invited speaker: Southern Medical Association on "Influence of dietary salt and insulin resistance on the risk for hypotensive renal injury. Orlando, FL, November 1995.
272. Medical Grand Rounds. Diabetic Nephropathy, North Shore Hospital
273. National Kidney Foundation Symposium at Annual Meeting. "Hypertension in African Americans" 1996
274. Grand Rounds. "Medical Complication in Renal Transplant Recipients" Howard University Hospital., 1996.
275. University of Michigan Visiting Professor - Research Conference, Medical Grand Rounds. "Hypertension in African Americans", 1996
276. Visiting Professor, Bowman-Gray School of Medicine. Research Conference, Medical Grand Rounds. "Implications of Salt Sensitivity and Cardiovascular Risk, 1996
277. National Kidney Foundation Annual Meeting: Symposium Chairman/Speaker. "Hypertension and the Kidney"., 1996
278. University Program: South African Cardiology Society. Capetown, Johannesburg, Multiple lectures on Hypertensive Renal Injury in all major teaching hospitals. 1997
279. Turkish Nephrology and Hypertension Society. Istanbul, Turkey - "Angiotensin Receptor Blockers and the Kidney". 1997
280. Duke University Medical Center. Medical Grand Rounds/Research Conference. Hypertension, Salt Sensitivity and Renal Injury." 1997
281. Plenary Speaker International Congress in ACE inhibition, Hong Kong. Is it the drug or blood pressure reduction which results in renal protection?" (Presented 1997).
282. Society of Hypertension Plenary Program - Annual Meeting: Therapeutic approaches for patients with renal disease. New York. 1997
283. Albert Einstein College of Medicine Research Conference: Salt Sensitivity and Renal Injury, 1997.
284. Sattelite Symposium of American Society of Nephrology Meeting in San Antonio, Chairman/Speaker. How low should yo go and with which drugs?" 1997
285. University of Virginia Transplant Research Conference "New treatments for chronic allograft nephropathy." 1998
286. University of Minnesota Transplant Conference. "Chronic Allograft Nephropathy: New Insight into an old problem". 1998
287. Maryland Academy of Family Practice Annual Meeting. "Prevention of Hypertensive Cardiovascular Disease". 1998
288. International Congress of the Transplant Society, Montreal, Canada. "New insight into the treatment of chronic allograft nephropathy". 1998
289. European Society of Cardiology, Vienna, Austria. "How to prevent diabetic nephropathy". 1998
290. Visiting Professor, Massachusetts General Hospital. Two conferences: Transplant Clinical Conference and Research Conference. Both on Chronic deterioration of renal disease in transplant patients. 1998
291. New England Deaconess Hospital Surgical Grand Rounds: Chronic Allograft Nephropathy. 1998
292. Medical Grand Rounds, Ohio State University. Hypertensive Renal Disease in African Americans. 1998
293. Medical Grand Rounds. National Naval Medical Center. "Salt Sensitivity and Progressive Renal Injury". 1999
294. Visiting Professor. Shanghai University, China - Chronic Allograft Nephropathy: New Strategies. 1999
295. Plenary Symposium. Annual Meeting American Society of Hypertension. "Is it the drug or blood pressure reduction which is important for renal protection. 1999
296. Visiting Professor. Dalhousie University, Nova Scotia. "New strategies in chronic allograft nephropathy". 1999
297. Visiting Professor Western University, London, England. "New strategies in chronic allograft nephropathy". 1999
298. University of Alabama, Birmingham Research Conference. "Hypertension and the kidney". 1999
299. Satellite Symposium American Society of Nephropathy Annual Meeting. "New strategies in diabetic nephropathy, Miami, FL 1999.
300. Endocrine Grand Rounds. George Washington University Hospital. Washington, D.C., "Diabetic Nephropathy". 1999

301. Plenary Speaker. Southeast Asia Endocrine Society. Bangkok, Thailand. Update in diabetic nephropathy. 1999
302. Hahnemann University Medical Grand Rounds. "Hypertension and the kidney" 1999
Stopped listing in 1999 due to space constraints.