

CURRICULUM VITAE

Jules B. Puschett, MD, FACP, FASN, FAHA, FASH, FAAAS
Research Professor of Pathobiology
Texas A&M College of Veterinary Medicine & Biomedical Sciences

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EDUCATION:

1951-1955 Lehigh University B.A.
1955-1959 University of Pennsylvania School of Medicine M.D.

POST GRADUATE TRAINING:

1959-1960 Internship, Jackson Memorial Hospital
University of Miami Medical School, Miami, Florida
1963-1964 Medical Residency, Jr. Assistant Resident in Medicine, University Hospital,
Baltimore, Maryland
1964-1965 Assistant Resident in Medicine, University Hospital, Baltimore, Maryland
1965 Fellow, Endocrinology and Metabolism,
University Hospital, Baltimore, Maryland
1966 Chief Resident in Medicine, University
Hospital, Baltimore, Maryland
1966-1968 Post-Doctoral Fellow in Medicine, Institute of Arthritis and Metabolic Disease,
National Institutes of Health
1966-1968 Fellow, Renal-Electrolyte Section, University of Pennsylvania School of
Medicine, Department of Medicine

MILITARY SERVICE:

Active Duty U.S. Navy
07/60-12/61 General Medical Officer, Norfolk Navy Shipyard, Portsmouth, Virginia
12/61-07/61 Medical Officer, USS Achernar (AKA-53)
07/61-06/63 Department of Internal Medicine, U.S. Naval Hospital, Philadelphia, Pennsylvania

FACULTY APPOINTMENTS:

07/67-06/69 Instructor in Medicine, University of Pennsylvania School of Medicine
07/69-06/70 Associate in Medicine, University of Pennsylvania School of Medicine
07/70-07/73 Assistant Professor of Medicine, University of Pennsylvania School of Medicine
07/67-07/73 Assistant Attending Physician, Hospital of the University of Pennsylvania
08/73-12/78 Clinical Associate Professor of Medicine, University of Pittsburgh Medical School
01/79-06/80 Professor of Medicine, University of Arkansas for Medical Sciences
07/80-06/90 Professor of Medicine, University of Pittsburgh School of Medicine
07/90-02/06 Professor of Medicine & Chair of Dept., Tulane University School of Medicine
07/02-02/06 Adjunct Professor, Department of Pharmacology, Tulane University School of Medicine
02/06-Present Emeritus Professor of Medicine, Tulane University School of Medicine
08/06-08/10 Professor of Medicine, Texas A&M College of Medicine
06/07-08/10 Member, Graduate Faculty, Texas A&M College of Medicine

01/09-08/10 Professor of Neuroscience and Experimental Therapeutics, Texas A&M College of Medicine
 02/11-12/12 Adjunct Professor, Department of Pathobiology, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX.
 01/13- Research Professor of Pathobiology, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX.

HOSPITAL AND ADMINISTRATIVE APPOINTMENTS:

07/68-07/70 Research Associate, Veterans Administration Hospital, Philadelphia, Pennsylvania
 07/68-07/73 Staff Member, Renal-Electrolyte Section, Department of Medicine, Hospital of the University of Pennsylvania
 07/69-07/73 Chief, Renal-Electrolyte Section, University of Pennsylvania Medical Service, Veterans Administration Hospital, Philadelphia, Pennsylvania
 07/70-07/73 Clinical Investigator, Veterans Administration Hospital, Philadelphia, Pennsylvania
 08/73-12/78 Head, Renal-Electrolyte Division, Allegheny General Hospital, Pittsburgh, Pennsylvania
 07/76-12/78 Director, Renal-Electrolyte Division Fellowship Training Program, University of Pittsburgh School of Medicine
 01/79-06/80 Chief, Renal-Electrolyte Division, Department of Medicine, University of Arkansas for Medical Sciences
 07/80-06/90 Chief, Renal-Electrolyte Division, Department of Medicine, University of Pittsburgh School of Medicine
 12/90-06/92 Interim Chief, Section of Nephrology, Department of Medicine, Tulane University School of Medicine
 07/90-06/05 Chairman, Department of Medicine, Tulane University School of Medicine
 07/96-06/05 Assistant Dean for Network Affairs, Tulane University School of Medicine
 07/05-02/06 Associate Dean for North Shore Affairs, Tulane University School of Medicine
 08/06-04/07 Associate Dean for Program Development, Texas A&M College of Medicine
 05/07-12/07 Senior Executive Associate Dean, Texas A&M College of Medicine
 08/06-Present Professor of Medicine, Texas A&M Health Science Center College of Medicine
 08/06-Present Special Assistant to the Director, Central Texas Veterans Health Care System
 12/06-08/10 Texas A&M Health Science Center College of Medicine
 11/07-08/10 Co-Chair, Research Task Force, Scott & White Memorial Hospital
 12/07-08/10 Member, Intellectual Property Committee, Scott & White Hospital
 01/08-08/10 Vice Dean for Program Development, Texas A&M College of Medicine
 01/09-08/10 Professor of Neuroscience and Experimental Therapeutics, Texas A&M Health Science Center College of Medicine
 02/11-12/12 Adjunct Professor, Department of Pathobiology, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX.
 01/13- Research Professor, Department of Pathobiology, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX.

LICENSURE:

Pennsylvania - 1960
 California - 1963
 Maryland - 1963
 New Jersey - 1966
 Arkansas - 1978
 Louisiana - 1990
 Texas - 2006

AWARDS, HONORS AND MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1951 Salutatorian, Graduating Class, Mining and Mechanical Institute, Freeland, Pennsylvania
1951 Awarded Eckley B. Coxe Memorial (full tuition) Scholarship to Lehigh University, Bethlehem, Pennsylvania
1952 Alpha Epsilon Delta
1954 Elected to Phi Beta Kappa, Lehigh University Chapter
1955 Graduated magna cum laude, Lehigh University
1955-59 Partial tuition scholarship, University of Pennsylvania School of Medicine, awarded by Joseph Collins Foundation, New York
1959 American Medical Association
1968 American Federation for Clinical Research
1969 American Society for Artificial Internal Organs
1969 American Society of Nephrology
1992 Chairman, Audit Committee
1969 American College of Physicians, Member
1992 American College of Physicians, Fellow
1970 National Kidney Foundation
1989 Public Policy Committee
1990 Volunteer Service Award
1970 International Society of Nephrology
1973 American Heart Association, Council on the Kidney in Cardiovascular Disease
1991-93 Chairman, Executive Committee
1991-92 Chairman, Subcommittee on Scientific Conferences
1992-94 Long-Range Planning Committee
2002 Science Advisory and Coordinating Committee
1995- American Heart Association, Council for High Blood Pressure Research
1973 American Physiological Society
1973 American Association for the Advancement of Science
1973 Federation of American Societies for Experimental Biology
1974 American Geriatrics Society
1976 Midwestern Salt and Water Club
1977 Central Society for Clinical Research
1978 European Dialysis and Transplant Association
1978 Society for Experimental Biology and Medicine
1978 American Society for Clinical Pharmacology and Therapeutics
1981 National Kidney Foundation of Western Pennsylvania, Medical Advisory Committee
1981-83 National Kidney Foundation of Western Pennsylvania, Chairman
1991 Recipient, Gift of Life Award, Natl Kidney Foundation of Western Pennsylvania
1982 American College of Clinical Pharmacology
1983 The Endocrine Society
1984 American Society of Renal Biochemistry and Metabolism
1984, '86 International Conference on Diuretics, Chairman
1989, '92 International Conference on Diuretics, Chairman

1985 American Society of Hypertension

1986 Outstanding Teacher Award, University of Pittsburgh School of Medicine

1990 Association of Professors of Medicine

1990 International Society of Nutrition and Metabolism in Renal Disease

1990 National Kidney Foundation of Louisiana, Member-at-Large

1991 National Kidney Foundation of Louisiana, Member, Board of Trustees

1991 Outstanding Teacher Award, Owl Club, Tulane University School of Medicine

1991 American Society of Bone and Mineral Research

1991 Southern Medical Association

1991 Southern Society for Clinical Investigation

1992-94 Councilor

1994 Secretary-Treasurer-Elect

1995-99 Secretary-Treasurer

1998-99 President-Elect

1999-2000 President

2007-2013 Member, Executive Advisory Committee

1991 Louisiana State Medical Society

1991 Orleans Parish Medical Society

1993 Member, Membership Committee

1993 Long-range Planning Committee

1992 Louisiana Society of Internal Medicine

1992, '96 Faculty Teaching Honor Roll, Owl Club, Tulane University School of Medicine

1994 Outstanding Teaching Award, Owl Club, Tulane University School of Medicine

1994 Southeastern Clinical Club

1996-97 Department of Medicine awarded "Outstanding Department," Owl Club, Tulane University School of Medicine

1996-97 Outstanding Teacher Award, presented by Tulane Department of Medicine House Staff

1998 Alpha Omega Alpha, National Honor Medical Society; Tulane Stars and Bars Chapter

1998 Gloria P. Walsh Award for Teaching Excellence, awarded by graduating class, Tulane University School of Medicine

1998 Charter Awardee: A.N. Richards Distinguished Achievement Award in Nephrology, University of Pennsylvania School of Medicine, Renal-Electrolyte and Hypertension Division, Department of Medicine

1998-2000 Listed in *Who's Who in America*

1998-present American Heart Association, Council on the Kidney in Cardiovascular Disease, Executive Committee

1999-2001 American Heart Association, Council on the Kidney in Cardiovascular Disease, Executive Committee Vice-Chairman

2001-2003 American Heart Association, Council on the Kidney in Cardiovascular Disease, Executive Committee Chairman

1999 Invested as the first incumbent of the Harry B. Greenberg, M.D. Chair in Internal Medicine

1999 Designated Specialist in Clinical Hypertension by the ASH Specialist Program, Inc. of the American Society of Hypertension

1999-2000 Department of Medicine awarded "Outstanding Department" in the School of Medicine by the Owl Club, Tulane University School of Medicine

1999-2001 Listed in *Who's Who in Medicine and Healthcare*

2000 Honored by the Musser-Burch Society and the Faculty, Department of Medicine, Tulane University School of Medicine, on the 10th anniversary of Dr. Puschet's Chairmanship of the Department of Medicine. An award entitled the "Musser-Burch-Puschet" award was

- established for presentation each year to the outstanding house officer in the Department's training program. Events included a scientific session and a dinner on September 16, 2000.
- 2000 Listed in *Best Doctors in America*.
 - 2001 Listed in *Who's Who in the World*.
 - 2001 Special Recognition Award for Excellence in Academia/Research, Orleans Parish Medical Society.
 - 2001 American Medical Association (Lifetime Member)
 - 2001 Elected a Fellow of the American Association for the Advancement of Science
 - 2001 Listed in "Top Doctors," *New Orleans Magazine*
 - 2002 Listed in *Who's Who in the South and Southwest*
 - 2002 Listed in *Who's Who in the World*
 - 2002 American Heart Association Scientific Councils
 - 2002 American College of Cardiology/American Heart Association Committee to Develop Guidelines for the Management of Patients with Peripheral Arterial Disease (Excluding Carotids)
 - 2002 Elected a Fellow in the Council for High Blood Pressure Research of the American Heart Association
 - 2002 Listed in *Best Doctors*
 - 2002 Listed in *2000 Eminent Scientists of Today*, 1st Edition, International Biographical Centre, Cambridge, England
 - 2002 Scientific Councils Distinguished Achievement Award, American Heart Association
 - 2002 Board Member, American Heart Association of Greater New Orleans
 - 2002 Elected to Fellowship in the Council on High Blood Pressure Research of the American Heart Association.
 - 2003 Listed in *Who's Who in America*
 - 2003 Awarded Founder's Medal of Southern Society for Clinical Investigation
 - 2002-2003 Listed in *Who's Who in Medicine and Healthcare*
 - 2003 Jules B. Puschett, M.D. Research Endowment Fund established at the Tulane University School of Medicine
 - 2003-2006 Member of Selection Committee for Distinguished Scientist Award of the American Heart Association
 - 2003 Elected a Fellow of the American Heart Association, Council on the Kidney in Cardiovascular Disease
 - 2003 Member, VA Research and Education Committee
 - 2003 BIRCWH (Building Interdisciplinary Research Careers in Women's Health) Advisory Board
 - 2004 Gloria P. Walsh Award for Teaching Excellence, awarded by graduating class, Tulane University School of Medicine
 - 2004 Member, Association of Professors in Medicine Finance Committee
 - 2005 C. Thorpe Ray Outstanding Faculty Teacher Award, awarded by graduating residents, 2004-2005 academic year, Tulane University School of Medicine.
 - 2006-2007 Listed in *Who's Who in Science and Engineering*
 - 2007 Listed in *Who's Who in America*
 - 2007 Listed in *Who's Who in the World*
 - 2007 Elected a Fellow of the American Society of Nephrology
 - 2007 Listed in *Guide to America's Top Physicians*
 - 2008 Listed in *Who's Who in America*
 - 2008 Listed in *Who's Who in the World*
 - 2008 Listed in *America's Top Doctors*

EDITORIAL BOARDS:

The American Journal of the Medical Sciences
American Journal of Nephrology
Section Editor "Physiology for the Nephrologist"
Cardiovascular Risk Factors
International Journal of Artificial Organs
Mineral and Electrolyte Metabolism
Southern Medical Journal

UNIVERSITY AND HOSPITAL ACTIVITIES:

Member, Patient Care Committee, Presbyterian-University Hospital, 1980-1981
Member, Transplantation Committee, Presbyterian-University Hospital, 1981-1990
Chairman, Animal Care Committee, University of Pittsburgh, 1981-1984
Chairman, Finance Committee, Department of Medicine Practice Plan, 1981-1990
Member, Faculty Committee on Non-Tenured Appointments, University of Pittsburgh, 1984-1986
Member, Executive Committee, University of Pittsburgh School of Medicine, 1985-1988
Member, Internship Selection Committee, Department of Medicine, University of Pittsburgh School of Medicine, 1985-1989
Member, Research and Development Committee, Oakland Veterans Administration Hospital, Pittsburgh, Pennsylvania 1985-1987; Chairman: 1986-1987
Member, Budget Committee, Presbyterian-University Hospital, 1985-1987
Chairman, Grievance Committee, Department of Medicine Residency Program, University of Pittsburgh, 1987-1990
Member, Physician Advisory Committee, Presbyterian-University Hospital, 1988-1990
Chairman, Continuing Medical Education Faculty Committee, University of Pittsburgh School of Medicine, 1990
Member, Personnel and Honors Committee, Tulane University School of Medicine, 1990-1993
Member, Budget and Finance Subcommittee, Tulane University Medical Center, 1990-2005
Member, Executive Committee of the Faculty Practice Plan, Tulane University Medical Center, 1990-2005
Member, Revision Subcommittee of the Faculty Practice Plan, Tulane University Medical Center, 1991-1992
Member, Executive Committee of the Medical Staff, Tulane University Medical Center, 1990-2005
Member, Executive Faculty Committee, Tulane University School of Medicine, 1990-2005
Member, Charity Hospital Executive Committee, New Orleans, 1990-2005
Member, Clinical Sciences Council, Tulane University School of Medicine, 1990-2005
Member, Clinical Sciences Council Budget Subcommittee, Tulane University School of Medicine, 1992-2000
Member, Dean's Committee, VA of Alexandria, Louisiana, 1990-2000
Member, Dean's Committee, VA of New Orleans, Louisiana, 1990-2005
Member, Dean's Task Force on Space, 1992

Chairman, Search Committee for the Tulane Cancer Center Director, Tulane University Medical Center, 1992

Member, Cancer Center Task Force, Tulane University Medical Center, 1992-1993

Chairman, Search Committee for the Dean, Tulane University School of Medicine, 1993

Member, Task Force on Health Care Reform, Tulane University Medical Center, 1993-1994

Member, Heart Transplant Committee, Tulane University Medical midpoint, 1993-1996

Participation in APM/Wyeth-Ayerst Executive Management Program for Chairs of Medicine at Wharton School of the University of Pennsylvania, Philadelphia, Pennsylvania, July 24-29, 1994.

Member, Chancellor's Task Force on Establishment of an Institute for Gene Therapy, 1994

Member, Network Task Force, 1994 -1995

Member, Nominating Committee, Tulane University Medical Center PHO Board of Directors, 1995-1996

Member, Tulane 2000 Steering Committee, 1995-1996

Member, Clinical Sizing Committee, 1996

Member, Chancellor's Task Force for Establishment of a Center of Excellence in Cardiovascular Diseases, 1996-1998

Member, Chancellor's Task Force for Establishment of an Institute of Infectious Diseases, 1996-1997

Chairman, Network Affairs Committee, 1997-2003

Member, Faculty Incentive Committee, 1997-1998

Member, Tulane University Inauguration Committee, 1998

Member, Tulane University Strategic Planning Framework Committee, 1998-1999

Chairman, Search Committee for the Chair of the Department of Family and Community Medicine, 1997-1998

Member, Search Committee for the Director of the Gene Therapy Center of Excellence, Tulane University Medical Center, 1998-1999

Chairman, Surgery Chair Search Committee, 1999-2000

Member, Dean's Committee on Clinical Enterprise Strategic Planning, 2002-2003

Member, Dean's Committee on Space for the School of Medicine, 2001-2002

Search Committee for Aron Professorship in Gene Therapy, 2002

Tulane University Medical Group, Restructuring Committee, 2004-2005

Tulane University School of Medicine Space Committee, 2004-2005

Member, Internal Medicine Research Committee, Texas A&M College of Medicine/Scott & White- 2006

Member, Executive Committee, Texas A&M College of Medicine/Scott & White- 2006-

Member, Academic Council Committee, Texas A&M College of Medicine/Scott & White- 2006-

Member, Graduate Medical Education Committee, Texas A&M College of Medicine/Scott & White- 2006-

Member, Basic Science Department Head Committee, Texas A&M College of Medicine/Scott & White- 2006-2010

Member, Research & Education Council, Texas A&M College of Medicine/Scott & White-2006-2010

Chair, Subcommittee on Program Development, Research & Education Council, Texas A&M College of Medicine/Scott & White-2006-2010

Member, Search Committee, Chief of Endocrinology, Department of Medicine, Texas A&M College of Medicine/Scott and White 2006-2010

Member, Focus Group, Clinical and Translational Research Strategies Planning Grant, 2006-2010

Member, Search Committee for ACOS for Mental Health, Central Texas VA Healthcare System, 2006-2007

Member, Academic Council, Texas A & M College of Medicine, 2006-2010

Member, Executive Committee, Texas A & M College of Medicine, 2006-2010

Member, Search Committee for Associate Chief of Staff-Research, Central Texas Veterans Health Care, 2007

Chair, Search Committee for Chief of Medicine, Central Texas Veterans Health Care, 2007

Member, Department of Medicine Promotions and Tenure Committee, Texas A&M College of Medicine/Scott & White, 2007-2010

Co-Chair, Research Task Force, Scott & White Hospital, 2007-2008
Member, Advisory Committee to the Institute for Regenerative Medicine, Texas A&M College of Medicine/Scott & White, 2008-2010
President, VoluMedex, LLC, 2002-2006
President, Bufogen, LLC, 2006-present
Chairman, Scientific Advisory Board, Personal Therapeutics, 2010-2011

COMMUNITY ACTIVITIES:

Chairman, First Annual Kidney Ball, National Kidney Foundation of Western Pennsylvania, September 10, 1988
Chairman, Second Annual Kidney Ball, National Kidney Foundation of Western Pennsylvania, September 9, 1989

PATENTS:

U.S. Patent Number 5077078. Surface Modification of Plastic Optical Fibers; issued 12/31/91.
U.S. Patent Number 5236667. Surface Modification of Plastic Optical Fibers; U.S. Divisional. Issued 8/17/93.
Diagnosis of Essential Hypertension: U.S. Patent # 6,251,611, issued 6/26/01: "Method of Determining Volume Dependent Hypertension through Protein Reduction in Phosphorylation or Concentration and Related Apparatus."
Methods of Diagnosing Preeclampsia: U.S. Patent Application "Method of Employing Reduction in Phosphorylation or Concentration of a Specific Protein in Determining the Presence of Preeclampsia and Related Apparatus."
Method of Employing Marinobufagenin in Diagnosis of Preeclampsia: PCT Application "Method of Employing Elevation of Marinobufagenin in Determining the Presence of Preeclampsia and Related Apparatus."
Method of Using Metolazone in Treatment of Preeclampsia: U.S. Patent Application # "Method of Treating Preeclampsia Employing Metolazone."
Method of Treating Human Preeclampsia Employing Resibufogenin. U.S. Patent Application.
Method of Treating Human Volume Expansion Mediated Hypertension Employing Resibufogenin. U.S. Patent Application.

PUBLICATIONS:

Articles

1. The acute effects of furosemide on acid and electrolyte excretion in man. J.B. Puschett, M. Goldberg. **J Lab Clin Med** 71:666-677, 1968.
2. Proximal tubular malfunction as a mechanism for diuresis following renal homotransplantation. L.W. Henderson, K.D. Nolph, J.B. Puschett, M. Goldberg. **New Engl J Med** 278:467-473, 1968.
3. Endocrinopathy associated with pineal tumor. J.B. Puschett, M. Goldberg. **Ann Intern Med** 69:203-219, 1968.
4. The relationship between the renal handling of phosphate and bicarbonate in man. J.B. Puschett, M. Goldberg. **J Lab Clin Med** 73:956-969, 1969.
5. Mechanism of exaggerated natriuresis in hypertensive man: Impaired sodium transport in the loop of Henle. V.M. Buckalew, Jr., J.B. Puschett, J.E. Kintzell and M. Goldberg. **J Clin Invest** 48:1007-1016, 1969.

6. Effects of increased sodium delivery on distal sodium reabsorption, with and without volume expansion. V.M. Buckalew, Jr., J.B. Puschett, B.R. Walker and M. Goldberg. **J Clin Invest** 49:2336-2344, 1970.
7. Effects of filtration rate and plasma sodium concentration on proximal sodium transport. J.B. Puschett, S. Goldstein, S. Godshall, B.B. Staum and M. Goldberg. **Am J Physiol** 221:788-794, 1971.
8. Mode of action of parathyroid hormone and cyclic adenosine 3', 5'-monophosphate on renal tubular phosphate reabsorption in the dog. Z.S. Agus, J.B. Puschett, D. Senesky, and M. Goldberg. **J Clin Invest** 50:617-626, 1971.
9. Effects of saline loading and aortic obstruction on proximal phosphate transport. J.B. Puschett, Z.S. Agus, D.J. Senesky and M. Goldberg. **Am J Physiol** 223:851-857, 1972.
10. Evidence for a direct action of cholecalciferol and 25-hydroxy-cholecalciferol on the renal transport of phosphate sodium and calcium. J.B. Puschett, J. Moranz and W. Kurnick. **J Clin Invest** 51:373-385, 1972.
11. Lithium-induced nephrogenic diabetes insipidus: in vivo and in vitro studies. I. Singer, D. Rotenberg, J.B. Puschett, E.A. Franko. **J Clin Invest** 51:1081-1091, 1972.
12. Effects of metolazone in man: Comparison with chlorothiazide. S.R. Steinmuller and J. B. Puschett. **Kidney Int** 1:169-181, 1972.
13. The acute renal tubular effects of 1, 25-dihydroxy-cholecalciferol. J.B. Puschett, P.C. Fernandez, I.T. Boyle, R.W. Gray, J.L. Omdahl and H.F. DeLuca. **Proc Soc Exp Biol Med** 141:379-384, 1972.
14. Mode of phosphaturic action of parathyroid hormone: Micropuncture studies. M. Goldberg, Z. Agus, J.B. Puschett, D. Senesky. In: **Calcium, Parathyroid Hormone and Calcitonins**, (Eds. R.V. Talmage and P.L. Munson), Proc. Fourth Parathyroid Conf., Excerpta Medica, Amsterdam, 1972, pp. 273-283.
15. Metolazone - mechanism and sites of action. J.B. Puschett, S. Steinmuller, A. Rastegar and P.C. Fernandez. In: **Modern Diuretic Therapy in the Treatment of Cardiovascular and Renal Disease**. Excerpta Medica Foundation, Amsterdam, 1973, pp. 168-175.
16. Sites of action of benzothiadiazines, furosemide and ethacrynic acid. M. Goldberg, J.B. Puschett, L.H. Beck and J.J. Schubert. In: **Modern Diuretic Therapy in the Treatment of Cardiovascular and Renal Disease**. Excerpta Medica Foundation, Amsterdam, 1973, pp. 135-147.
17. Proximal tubular actions of metolazone and chlorothiazide. P.C. Fernandez, J.B. Puschett. **Am J Physiol** 225: 954-961, 1973.
18. Study of the renal tubular interactions of thyrocalcitonin, cyclic adenosine 3', 5'-monophosphate, 25-hydroxycholecalciferol and calcium ion. J.B. Puschett, W. Beck, A. Jelonek and P.C. Fernandez. **J Clin Invest** 53:756-767, 1973.
19. Effects of 25-hydroxyvitamin D₃ on urinary electrolyte excretion in hypophosphatemic rickets. J.B. Puschett, M. Genel, A. Rastegar, C. Anast and H.F. DeLuca. **Lancet** 2:920-922, 1974.
20. Comparative study of the effects of metolazone and other diuretic agents on potassium excretion. A. Rastegar, J.B. Puschett. **Clin Pharmacol Ther** 15:397-405, 1974.

21. Re-evaluation of microelectrode methodology for the in vitro determination of pH and bicarbonate concentration. J.B. Puschett, P. Zurbach. **Kidney Int** 6:81-91, 1974.
22. Prolonged therapy of vitamin D-resistant rickets with 25-hydroxy-cholecalciferol and oral phosphate. J.B. Puschett, M. Genel, A. Rastegar, A. Anast, H.F. DeLuca and A. Friedman. **Clin Pharmacol Ther** 17:202-211, 1975.
23. Parathyroid hormone and 25-hydroxyvitamin D₃: Synergistic and antagonistic effects on renal phosphate transport. J.B. Puschett, W.S. Beck, Jr. **Science** 190:473-475, 1975.
24. Acute effects of parathyroid hormone on proximal bicarbonate transport in the dog. J.B. Puschett, P. Zurbach. **Kidney Int** 9:501-510, 1976.
25. Site and mechanism of the phosphaturia due to volume expansion. J.B. Puschett, D. Sylk. In: **Phosphate Metabolism, Kidney and Bone**, (Eds. L. Avioli, P. Bordier, H. Fleisch, S. Massry and E. Slatopolsky), Armour-Montague, Paris, June 1975, pp. 103-109.
26. Renal transport and blood flow effects of certain antihypertensive/diuretic agents. J.B. Puschett, M. Kuhrman. In: **Systemic Effects of Antihypertensive Agents**, Stratton, New York, 1976, pp. 157-169.
27. Importance of 25-hydroxylation to the renal tubular actions of vitamin D metabolites. J.B. Puschett, J. Szramowski. In: **Advances in Experimental Biology and Medicine. Homeostasis of phosphate and other minerals**, (Eds. S.G. Massry, E. Ritz and A. Rapado). 103:105-110, 1976.
28. Renal tubular effects of vitamin D and its metabolites. J.B. Puschett. In: **Phosphate Metabolism, Kidney and Bone**, (Eds. L. Avioli, P. Bordier, H. Fleisch, S. Massry and E. Slatopolsky), Armour-Montague, Paris, 1976, pp. 29-40.
29. Effects of volume expansion and parathyroid hormone on total renal blood flow and its intracortical distribution. H.A. Feldman, M. Kuhrman, J.B. Puschett. **J Lab Clin Med** 89:959-970, 1977.
30. Study of the sites and mechanisms of action of bumetanide in man. S. Jayakumar, J.B. Puschett. **J Pharm Exp Ther** 201:251-258, 1977.
31. Renal tubular sodium and phosphate transport inhibitory mechanisms of proximally active agents. J.B. Puschett, J. Szramowski and N.I. Nseir. **J Pharmacol Exp Ther** 203: 264-271, 1977.
32. Relationship between serum phosphate concentration and proximal tubular bicarbonate transport. J.B. Puschett, P.C. Fernandez, D. Sylk and W.S. Beck, Jr. **Nephron** 19: 44-52, 1977.
33. Physiological basis for the use of new and older diuretics in congestive heart failure. J.B. Puschett **Cardiovasc Med** 2:119-138, 1977.
34. Renal micropuncture studies of parathyroid hormone action on the kidney. J.B. Puschett, D. Sylk. In: **Endocrinology of Calcium Metabolism**, (editors D.H. Copp and R.V. Talmage), Excerpta Medica, Amsterdam, 1977, pp. 226-229.
35. Idiopathic edema: Review of etiologic concepts and management. H.A. Feldman, S. Jayakumar, J.B. Puschett. **Cardiovasc Med** 3:475-488, 1978.
36. Post-obstructive diuresis following ovarian cystectomy in a non-azotemic female. R.M. Gromis, H.A.

- Feldman, J.B. Puschett. **Am J Obstet Gynecol** 130: 728-729, 1978.
37. Mechanism of the renal tubular effects of 25-hydroxyvitamin D₃ in the absence of parathyroid hormone. N.I. Nseir, J.B. Puschett. **Miner Electrolyte Metab** 1:48-56, 1978.
 38. Uncoupling of sodium bicarbonate from sodium phosphate transport by bumetanide. J.B. Puschett, D. Sylk, P. Teredesai. **Am J Physiol** 235:F403-F408, 1978.
 39. Vitamin D metabolism and expression in rats fed low calcium and low phosphorous diets. S. Edelstein, D. Noff, L. Sinai, A. Harell, J.B. Puschett, E.E. Golub, F. Bonner. **Biochem J** 170:227-233, 1978.
 40. Structural determinants of the renal tubular activity of vitamin D derivatives. J. Winaver, J.B. Puschett. **Proc Soc Exp Biol Med** 159:204-209, 1978.
 41. Renal tubular effects of parathyroid hormone: An update. J.B. Puschett. **Clin Ortho** 135:249-259, 1978.
 42. Renal tubular effects of 1, 25-dihydroxyvitamin D₃: Interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. J.B. Puschett, M.S. Kuhrman. **J Lab Clin Med** 92:895-903, 1978.
 43. Acute effects of piretanide in normal subjects. P. Teredesai, J.B. Puschett. **Clin Pharmacol Ther** 25:331-339, 1979.
 44. Differential effects of diuretic agents on electrolyte excretion: Role of renal hemodynamics. J.B. Puschett, M. Kuhrman. **Nephron** 23:38-45, 1979.
 45. Interaction of vitamin D metabolites with parathyroid hormone and vasopressin. J.B. Puschett. In: **Vitamin D, Basic Research and Its Clinical Applications**, (Eds. A.W. Norman, K. Schaefer, D.V. Herrath, H.G. Grigoleit, J.W. Coburn, H.F. DeLuca, E.B. Mawer and T. Suda), Proc. Fourth Workshop on Vitamin D, Berlin, February 19-22, 1979. Degruyter, Berlin, 1979, pp. 315-324.
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149. Response of the uterine arteriolar vasculature to the sodium transport inhibitor, marinobufagenin (MBG). H. Vu, M. Ianosi-Irimie, J. Whitbred, G. Pridjian, F. Johnson, A.Y. Bagrov, O.O.V. Fedorova, J.B. Puschett. **Presented to the 15th Scientific Meeting of the Inter-American Society of Hypertension**, April 27-30, 2003, San Antonio, TX.
150. Involvement of the nitric oxide system in a rat model of preeclampsia. M. Ianosi-Irimie, J. Whitbred, D.C. Wrenn, H. Vu, J.B. Puschett. **Presented to the 15th Scientific Meeting of the Inter-American Society of Hypertension**, April 27-30, 2003, San Antonio, TX.
151. Involvement of a circulating sodium transport inhibitor and nitric oxide in a rat model of preeclampsia. J.B. Puschett, M. Ianosi-Irimie, H. Vu, J. Whitbred, O. Fedorova, N. Agalakova, A.Y. Bagrov. **Submitted to the 57th Annual Fall Conference and Scientific Sessions of the Council for High Blood Pressure Research in association with the Council on the Kidney in Cardiovascular Disease**, September 23-26, 2003, Washington, DC.
152. Metolazone ameliorates the hypertension and fetal growth restriction in a rat model of preeclampsia. G. Pridjian, M. Ianosi-Irimie, H. Vu, C. Pridjian, J. Durst, J. Whitbred, J.B. Puschett. **Am J Obstet Gynecol** 108:S90, 2004. **Presented to the 24th Annual Meeting of the Society for Maternal-Fetal Medicine**, New Orleans, LA, February 4-7, 2004.
153. Metolazone ameliorates the hypertension in a rat model of preeclampsia. C. Pridjian, M. Ianosi-Irimie, H. Vu, J.M. Whitbred, J.B. Puschett. **J Invest Med** 52:S318, 2004. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 12-14, 2004.
154. Antibodies to marinobufagenin reduce blood pressure in a rat model of preeclampsia. J. Durst, H. Vu, M. Ianosi-Irimie, C. Pridjian, A. Bagrov, O. Fedorova, G. Pridjian, J.B. Puschett. **J Invest Med** 52:S318, 2004. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 12-14, 2004.
155. Neutralization of marinobufagenin normalizes blood pressure in a rat model of preeclampsia. G. Pridjian, J. Durst, H. Vu, M. Ianosi-Irimie, C. Pridjian, A. Bagrov, O. Fedorova, J.B. Puschett. **J Soc Gynecol Invest** 11(Suppl):260A-261A, 2004. **Presented to the Annual Meeting of the Society for Gynecologic Investigation**, Houston, TX, March 24-27, 2004.
156. Altered expression of renal Na/K ATPase in hypertensive pregnant rats treated with metolazone. C.A. Pridjian, J. Whitbred, M. Ianosi-Irimie, H. Vu, G. Pridjian, J.B. Puschett. **J Invest Med** 53(Suppl. 1):S289, 2005. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 24-26, 2005.
157. Role of NO in the pathogenesis of a preeclampsia-like syndrome in rats. M. Ianosi-Irimie, J. M. Whitbred, H. Vu, C.A. Pridjian, G. Pridjian, J.B. Puschett. **J Invest Med** 53(Suppl. 1):S327, 2005. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 24-26,

2005.

158. Resibufogenin reduces blood pressure in a rat model of preeclampsia. H. Vu, M. Ianosi-Irimie, S. Danchuk, G.R. Pettit, T. Wiese, J.B. Puschett. **J Invest Med** 53:S367, 2005. **Presented to the Annual Meeting of the Central Society for Clinical Research**, Chicago, IL, April 15, 2005.
159. Human correlates of a rat model of preeclampsia. J. Outland, B. Alper, C. Eze, G. Pridjian, J.B. Puschett. **Am J Hypertens (Abstract Issue)**, 18:185A, 2005. **Presented to the Annual Meeting of the American Society of Hypertension**, San Francisco, CA, May 14-18, 2005.
160. Phenotypic characteristics common to human preeclampsia patients and those of a rat model of preeclampsia. J. Outland, A. Alper, C. Eze, G. Pridjian, J.B. Puschett. **Nephrology Dialysis Transplantation**, 20(Suppl. 5):SP118, 2005. **Accepted for presentation to the XLII ERA-EDTA Congress**, Istanbul, Turkey, June 4-7, 2005.
161. Effects of a circulating inhibitor of Na/K ATPase on in vitro cytotrophoblastic structure and function. C. Morris, H. LaMarca, J. B. Puschett. **J Am Soc Nephrol** 16: 795A-796A, 2005. **Submitted to the 38th Annual Meeting of the American Society of Nephrology**, Philadelphia, PA, November 10-13, 2005.
162. Evidence for oxidative stress in a rat model of preeclampsia. S. Danchuk, J. Denson, Y. Hong, J. B. Puschett. **Presented to the Annual Meeting of the Central Society for Clinical Research**, Chicago, IL, April 28, 2006. **Ms. Danchuk was selected as the recipient of an "Outstanding Young Investigator Award."**
163. Marinobufagenin (MBG) inhibits proliferation via Na⁺/K⁺-ATPase-Dependent down regulation of ERK and JNK signaling in CHO cells. M. N. Uddin, D. Horvat, S. S. Glaser, L. B. McLean, J. B. Puschett. **J Invest Med** 55: S359, 2007. **Presented to the Annual Meeting of the Central Society for Clinical Research**, Chicago, IL, April 12-13, 2007.
164. Resibufogenin corrects volume expansion-mediated hypertension and reduces oxidative stress. L. McLean, S. Danchuk, S. Sukhanov, D. Horvat, M.N. Uddin, J.B. Puschett. **Presented to the World Congress of Nephrology Annual Meeting**, Rio de Janeiro, Brazil, April 21-25, 2007. **Abstracts of the World Congress of Nephrology, 2007, page 263.**
165. Marinobufagenin (MBG) inhibits proliferation via down regulation of ERK and JNK signaling in CHO cells. M. N. Uddin, D. Horvat, S.S. Glaser, L. B. McLean, J.B. Puschett. **Nephrology, Dialysis Transplantation** 22 (Suppl. 6): vi 38, 2007. **Presented to the 44th ERA-EDTA Congress**, Barcelona, Spain, June 21-24, 2007.
166. Vascular permeability changes in a rat model of preeclampsia. L. McLean, F. Hunter, D. Horvat, M.N. Uddin, E.W. Childs, J.B. Puschett. **Submitted for presentation to the Annual Scientific Sessions of the American Heart Association**, Orlando, FL, November 4-7, 2007.
167. Marinobufagenin impairs proliferation and triggers enhanced vascular permeability in rat lung microvascular endothelial cells. M. N. Uddin, F. Hunter, S. Glaser, D. Horvat, E.W. Childs, J.B. Puschett. **Submitted for presentation to the annual scientific sessions of the American Heart Association**, Orlando, FL, November 4-7, 2007.

168. Marinobufagenin inhibits cytotrophoblast function by modulating MAPK signaling and activation of apoptosis. Mohammed N. Uddin, PhD, Darijana Horvat, BS, Shannon S Glaser, PhD, Luciana McLean, MD, Jules B. Puschett, MD. **J Am Soc Nephrol 18: 144A, 2007. Presented to the Annual Meeting of the American Society of Nephrology, San Francisco, CA, October 31-November 5, 2007.**
169. Vascular permeability changes in a rat model of preeclampsia. H. Nguyen, L. McLean, F. Hunter, E. Childs, D. Horvat, M. Uddin, JB Puschett. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation, New Orleans, LA, February 21-23, 2008. Dr. Nguyen received an SAFMR/SSCI Trainee Research Award.**
170. Marinobufagenin impairs proliferation and triggers enhanced vascular permeability in rat lung microvascular endothelial cells. M.N. Uddin, F. Hunter, S. S. Glaser, D. Horvat, E.W. Childs, J.B. Puschett. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation, New Orleans, LA, February 21-23, 2008. J Invest Med 56:481, 2008. Dr. Uddin received a Research Trainee Award from the Southern Society for Clinical Investigation.**
171. Alteration of the renin-angiotensin system in a rat model of preeclampsia. M. Nasir Uddin, Darijana Horvat, Brett M. Mitchell, Jules B. Puschett. **Presented to the 62nd High Blood Pressure Research Conference, Atlanta, GA, September 17-20, 2008. Hypertension 52:e125, 2008.**
172. Angiogenic imbalance in a rat model of preeclampsia. M. Nasir Uddin, Darijana Horvat, Brett M. Mitchell, Jules B. Puschett. **Submitted for presentation to the American Society of Nephrology 41st Annual Meeting and Scientific Exposition, Philadelphia, PA, November 4-9, 2008.**
173. Marinobufagenin induces altered vascular permeability: *in vivo* and *in vitro* studies. Mohammad N. Uddin, Luciana B. McLean, Felicia Hunter, Darijana Horvat, Ed W. Childs, Jules B. Puschett. **Submitted for presentation to the American Heart Association Annual Scientific Sessions, New Orleans, LA, November 8-12, 2008.**
174. Resibufogenin prevents preeclampsia in a rat model. D. Horvat, M.N. Uddin, J.B. Puschett. **Presented to the 16th Annual Meeting of the International Society for the Study of Hypertension in Pregnancy, September 21-24, 2008, Washington, D.C. Hypertension in Pregnancy 27(4):665, 2008.**
175. Imbalance of angiogenic factors in a rat model of preeclampsia. E. Agunanne, M. N. Uddin, D. Horvat, J. B. Puschett. **Presented to the Annual Meeting of the Southern Society for Clinical Investigation, February 12-14, 2009, New Orleans, LA. Dr. Agunanne was selected to present to the Young Investigators' Forum. J Invest Med 57:391, 2009.**
176. Effects of Digoxin-binding Fab in a rat model of preeclampsia. E. Agunanne, D. Horvat, M. N. Uddin, J. B. Puschett. **Presented to the Annual Meeting of Experimental Biology 2009, April 18-22, New Orleans, LA. Dr. Agunanne also presented the above- mentioned poster to the Scott & White Hospital Internal Medicine Research Day, April 23, 2009 in Temple, TX. Dr. Agunanne won first-place in competition.**
177. Differential effects of resibufogenin and Digibind® in a rat model of preeclampsia. Enoch Agunanne, Darijana Horvat, M. Nasir Uddin, Jules B. Puschett. **Presented to the 38th Annual Meeting of the American College of Clinical Pharmacology, September 13-15, 2009, San Antonio, TX. J Clin**

Pharmacol 49: 1107, 2009.

178. Alterations in the renin-angiotensin system in a rat model of human preeclampsia. M. Nasir Uddin, Enoch Agunanne, Darijana Horvat, Jules B. Puschett. **Submitted for presentation to the American Heart Association 63rd Annual High Blood Pressure Research Council Meeting**, September 23-26, 2009, Chicago, IL.
179. Angiogenic factors in a rat model of preeclampsia. Enoch Agunanne, M. Nasir Uddin, Darijana Horvat, Jules B. Puschett. **Presented at the American Heart Association 63rd Annual High Blood Pressure Research Council Meeting**, September 23-26, 2009, Chicago, IL. *Hypertension* 2009;54(4):e26-e127. [e109 (P362)].
180. Marinobufagenin causes enhanced permeability in human brain microvascular endothelial cells via apoptotic signaling. MN Uddin, EE Agunanne, D Horvat, JB Puschett. **Presented at the Annual Meeting of the American Society of Nephrology**, October 27-November 1, 2009, San Diego, CA. *J Am Soc Nephrol* 2009;20:534a-535a.
181. Marinobufagenin induces *in vivo* and *in vitro* GAdd45a stress signalling. MN Uddin, D Horvat, S DeMorrow, E Agunanne, B Kumar, JB Puschett. **Presented at the annual meeting of the Southern Society for Clinical Investigation**, February 25-27, 2010, New Orleans, LA. Dr. Uddin received a Trainee Award for this presentation. *J Invest Med* 2010;58:494.
182. Resibufogenin prevents angiogenic imbalance in a rat model of preeclampsia. Enoch Agunanne, Mohammad Nasir Uddin, Darijana Horvat, Jules Puschett. **Presented to the annual Meeting of the Southern Society for Clinical Investigation**, February 25-27, 2010, New Orleans, LA. Dr. Agunanne received a Young Investigator Award for this presentation from the SSCI/AFMR. **Presented at the 5th Annual National Young Investigators Forum**, April 13, 2010, Orlando, FL. *J Invest Med* 2010;58:494.
183. Cinobufatalin induces the syndrome of preeclampsia in a rat model. Biresh Kumar, M Uddin, E Agunanne, D Horvat, J Puschett. **Presented to the annual meeting of the Southern Society for Clinical Investigation**, February 25-27, 2010, New Orleans, LA. *J Invest Med* 2010;58:464.
184. Marinobufagenin is an upstream modulator of Gadd45a stress signaling in cytotrophoblast cells. MN Uddin, D Horvat, S de Morrow, E Agunanne, JB Puschett. **Presented to the annual meeting of Experimental Biology**, April 24-28, 2010, Anaheim CA.
185. Circulating angiogenic factors in a rat model of preeclampsia. Enoch Agunanne, Mohammad Nasir Uddin, Darijana Horvat, Jules Puschett. **Presented to the annual meeting of Experimental Biology**, April 24-28, Anaheim, CA.
186. Marinobufagenin enhances human brain microvascular endothelial cell monolayer hyperpermeability via the disruption of tight junction proteins. M.N. Uddin, D. Horvat, E. Agunanne J.B. Puschett. **Submitted to the annual meeting of the American Heart Association Scientific Sessions**, November 13-17, 2010, Chicago, IL.
187. Marinobufagenin modulates Gadd45A stress signaling in a rodent model of human preeclampsia. M.N. Uddin, D. Horvat, S. DeMorrow, E. Agunanne, J.B. Puschett. **Presented to the annual meeting of the American Heart Association High Blood Pressure Research Conference**, October 13-16, 2010,

Washington, DC.

188. Marinobufagenin levels are elevated in preeclampsia patients. E. Agunanne, D. Horvat, R. Harrison, N.M. Uddin, R. Jones, J.B. Puschett. **Submitted to the annual meeting of the American Heart Association High Blood Pressure Research Conference**, October 13-16, 2010, Washington, DC.
189. Can addition of CRP and D-Dimer to BNP increase the accuracy of diagnosis of congestive heart failure in dilated cardiomyopathy? N. Nair, D. Jupiter, G. Dehmer, E. Gongora, C. Farmer, J. Song, J. Puschett, D. Prockop. Submitted to the **American College of Cardiology.11 and 12 Summit 2011**, New Orleans, April 2-5, 2011.
190. Marinobufagenin levels are elevated in preeclamptic patients. E Agunanne. D Horvat, R Harrison, M Uddin, R. Jones, JB Puschett, **Presented to the annual meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 16-19, 2010. *J Clin Invest* **59**: 458-459, 2011.
191. Marinobufagenin diagnoses and resibufogenin ameliorates traumatic brain injury. L Shapiro, M Foresti, G Arisi, A Ruch, D Horvat, M Uddin, JB Puschett. **Presented to the annual meeting of the American Society for Clinical Pharmacology and Therapeutics**, Dallas, TX, March 2-5, 2011. ASCPT Annual Meeting Program Booklet, p.78.
192. The Cardiotonic Bufodienolide Steroid Marinobufagenin Alters Messenger RNA Concentrations of Soluble Flt-1 in Human Brain Microvascular Endothelial Cell Monolayers. NH Ing, C Balog-Alvarez, D Abi-Ghanem, L Berghman, JB Puschett. **Presented at the annual meeting of the American Heart Association High Blood Pressure Research Conference 2012**, September 19-22, 2012, Washington, DC.
193. The Bufodienolide, Cinobufatalin, Produces a Preeclampsia-Like Syndrome in a Rat Model. D Abi-Ghanem, C Balog, L Berghman, D Horvat, B Kumar, M Uddin, JB Puschett. **Submitted to the annual meeting of the American Society of Nephrology, Kidney Week 2012**, October 30-November 4, 2012, San Diego, CA.
194. Urinary Marinobufagenin Excretion Differentiates Diabetic Patients at Low or at High Risk for the Development of Worsening Nephropathy. CE Powell, GT Hernandez, S Connery, CJ Balog-Alvarez, D Abi-Ghanem, LR Berghman, JB Puschett, R Tolouian. **Presented to the annual clinical meeting of the National Kidney Foundation**, April 2-6, 2013, Orlando, FL. *Am J Kidney Dis* 61:A77, 2013
195. Marinobufagenin alters the blood brain barrier. MMK Abbas, R Burghardt, J Puschett. **Presented to the Biopharmaceutical Manufacturing Meeting 2013 Poster Competition**, South Central Chapter of the International Society for Pharmaceutical Engineering, September 26, 2013, College Station, TX.
196. Marinobufagenin identifies patients with acute respiratory distress syndrome. BI Fargo, KI Morin, B Patel, MMK Abbas, JB Puschett. **Presented to the annual meeting of the Southern Society for Clinical Investigation**, New Orleans, LA, February 20-22, 2014. *J Invest Med* 62: 544-545, 2014

BOOKS

1. **The Diuretic Manual.** Editor: J.B. Puschett; Associate Editor: Arthur Greenberg, Elsevier Scientific Publishing Company, New York, 1984.
2. **Diuretics: Chemistry, Pharmacology and Clinical Applications. Proceedings of the First International Conference on Diuretics.** Editor: J.B. Puschett; Associate Editor: Arthur Greenberg, Elsevier Scientific Publishing Company, New York, 1984.
3. **Disorders of Fluid and Electrolyte Balance: Diagnosis and Management.** Editor: J.B. Puschett; Associate Editor: Arthur Greenberg, Churchill-Livingstone Publishing.
4. **Diuretics II: Chemistry, Pharmacology and Clinical Applications.** Proceedings of the Second International Conference on Diuretics. Editor: J.B. Puschett; Associate Editor: Arthur Greenberg, Elsevier Scientific Publishing Company, New York, 1986.
5. **Diuretics III: Chemistry, Pharmacology and Clinical Applications.** Proceedings of the Third International Conference on Diuretics. Editor: J.B. Puschett, Associate Editor: Arthur Greenberg, Elsevier Scientific Publishing Company, New York, 1989.
6. **Diuretics IV: Chemistry, Pharmacology and Clinical Applications.**

Proceedings of the Fourth International Conference on Diuretics. Editor: J.B. Puschett, Associate Editor: Arthur Greenberg, Elsevier Science Publishers B. V., Amsterdam, 1993.
7. **Biotest Study Aids: Internal Medicine.** 2005 Biotest Publishing Company, Inc., Ventura, CA, Editor: J. B. Puschett, M.D.; Associate Eds. Jeffrey Wiese, M.D., Marc Kahn, M.D.

INVITED TALKS, VISITING PROFESSORSHIPS AND CONTINUING MEDICAL EDUCATION ACTIVITIES (1974 - Present)

"Alterations in the Concentrating and Diluting Operations in Chronic Renal Failure"

Introduction to Medicine Course, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, January 15, 1974.

"Proximal Tubular Actions of Metolazone and Chlorothiazide"

Zaroxolyn Symposium, Philadelphia, Pennsylvania, March 12, 1974.

"Use of Diuretics"

Eighth Annual Symposium on Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, May 24, 1974.

"Clinical Evaluation and Management of the Oliguric Patient"

Contemporary Problems in Surgery, Third Annual Postgraduate Course, University of Pittsburgh School of Medicine and Health Center Hospitals, Department of Surgery and Division of Continuing Education, Montefiore Hospital, Pittsburgh, Pennsylvania, June 14, 1974.

"Hypokalemia"

Allegheny General Hospital, Medical Grand Rounds, Pittsburgh, Pennsylvania, July 10, 1974.

"Nephrotic Syndrome"

Allegheny General Hospital, Pediatric Conference, Pittsburgh, Pennsylvania, November 4, 1974.

"Review of Renal Physiology"

Introduction to Medicine Course, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, January 10, 1975.

"Renal Interactions of Parathyroid Hormone and 25-hydroxy-cholecalciferol"

American Federation for Clinical Research, Eastern Section, Boston, Massachusetts, January 11, 1975.

- "Effects of Vitamin D on the Kidney"**
Physiology Symposium, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, May 12, 1975.
- "Renal-Electrolyte Disease"**
Internal Medicine Board Review, Allegheny General Hospital, Pittsburgh, Pennsylvania, May 19, 1975.
- "Diuretics: Physiology and Therapeutics"**
Visiting Professor, Internal Medicine Lecture Series, Prince George's General Hospital, Cheverly, Maryland, November 6, 1975.
- "Vitamin D and the Kidney"**
Visiting Professor, Montefiore Hospital and Medical Center, Albert Einstein College of Medicine of Yeshiva University, Bronx, New York, January 29, 1976.
- "Extracellular Fluid Tonicity: Control Mechanisms and Abnormalities"**
University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, January 30, 1976.
- "Acid-Base Balance"**
Physiology Course, Correlation Clinic, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, March 19, 1976.
- "Renal Osteodystrophy"**
Presbyterian-University Hospital, Medical Grand Rounds, Pittsburgh, Pennsylvania, April 23, 1976.
- "Lactic Acidosis"**
Allegheny General Hospital, Medical Grand Rounds, Pittsburgh, Pennsylvania, October 27, 1976.
- "Membranoproliferative Glomerulonephritis"**
Allegheny General Hospital, Renal Conference, Pittsburgh, Pennsylvania, February 27, 1977.
- "Urate Nephropathy"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, April 1, 1977.
- "Physiology of the Nephron"**
Symposium on Diuretics, Allegheny General Hospital, Pittsburgh, Pennsylvania, April 20, 1977.
- "Renal Failure"** Physiology Course, Correlation Clinic, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, May, 1977.
- "Site and Mechanism of Action of Diuretic Agents and Their Clinical Use"**
Visiting Professor, University of Missouri School of Medicine, Medical Grand Rounds, Columbia, Missouri, June 2, 1977.
- "Acid-Base Balance"**
Mercer County Medical Society, Grove City, Pennsylvania, December 7, 1977.
- "Interaction of 1.25 - dihydroxy Vitamin D₃ with Parathyroid Hormone and Vasopressin at the Renal Tubular Level"**
Federated Societies Meeting, Atlantic City, New Jersey, April 12, 1978.
- "Treatment of Uremic Bone Disease"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, May 3, 1978.
- "Determinants of the Phosphaturic Effects of Chlorothiazide and Metolazone"**
VIIth International Congress of Nephrology, Montreal, Canada, June, 1978.
- "Role of Parathyroid Hormone on the Hemodynamic and Phosphaturic Effects of Bumetanide and Furosemide"**
VIIth International Congress of Nephrology, Montreal, Canada, June, 1978.
- "Mechanism of Proximal and Distal Nephron Effects of Parathyroid Hormone"**
VIIth International Congress of Nephrology, Montreal, Canada, June, 1978.
- "Renal Tubular Acidosis"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, October 25, 1978.

- "Determinants of Chlorothiazide Effect on Phosphate Excretion"**
Central Society for Clinical Research, Chicago, Illinois, November 2, 1978.
- "Management of End Stage Renal Disease"**
Internal Medicine for the Family Practitioner, University of Arkansas for Medical Sciences, Little Rock, Arkansas, November 10, 1978.
- "Interaction of Vitamin D Metabolites with Parathyroid Hormone and Vasopressin"**
Fourth Workshop on Vitamin D, Berlin, West Germany, February 19, 1979.
- "Physiological Basis for Diuretic Action"**
University of Arkansas for Medical Sciences, Medical Grand Rounds, Little Rock, Arkansas, March 21, 1979.
- "Hypertension"**
Family Practice Intensive Review Course, University of Arkansas for Medical Sciences, Department of Family and Community Medicine and Continuing Education for Physicians, Little Rock, Arkansas, June 27, 1979.
- "Hyponatremia"**
Visiting Professor, University of Arkansas for Medical Sciences, Medical Grand Rounds, Little Rock, Arkansas, July 12, 1979.
- "Physiological Basis for Diuretic Action and Usage"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, July 27, 1979.
- "Hyponatremic Syndromes"**
Two Days of Internal Medicine, University of Arkansas for Medical Sciences, Continuing Education for Physicians, Little Rock, Arkansas, September 7, 1979.
- "Rhabdomyolysis and Renal Failure"**
Scientific Program for the Regional American College of Physicians, Arkansas Society of Internal Medicine, University of Arkansas for Medical Sciences, Little Rock, Arkansas, October 5, 1979.
- "Renal Effects of Bumetanide - Studies in Normal Volunteers"**
Bumex Symposium, Houston, Texas, March 13, 1980.
- "New Diuretics"**
Kidney Foundation Seminar: New Therapy for Hypertension, University of Arkansas Medical Sciences Campus, Continuing Education for Physicians, Little Rock, Arkansas, March 22, 1980.
- "The Effects of PTH on Acid-Base States"**
Seminars in Nephrology, USC/LAC Medical Center, Los Angeles, California, May 20, 1980.
- "Physiological Basis and Complications of Diuretic Usage"**
Visiting Professor, University of Southern California School of Medicine, Division of Nephrology, Medical Grand Rounds, Los Angeles, California, May 21, 1980.
- "Rhabdomyolysis and Acute Renal Failure"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, June 6, 1980.
- "Approach to the Patient with Lupus Nephritis"**
University of Pittsburgh School of Medicine, Rheumatology Grand Rounds, Pittsburgh, Pennsylvania, August 18, 1980.
- "Review of Nephrology"**
MKSAP V Review Course, American College of Physicians, Marshall University, West Virginia University and the University of Pittsburgh Schools of Medicine, Pittsburgh, Pennsylvania, August 24, 1980.
- "Therapy of Chronic Renal Disease"**

Visiting Professor, McKeesport Hospital, Department of Internal Medicine, Medical Grand Rounds, McKeesport, Pennsylvania, October 28, 1980.

"Acute and Chronic Renal Failure Syndromes: Diagnosis, Clinical Pathology, and Management"

University of Pittsburgh School of Medicine, Division of Continuing Education and Veterans Administration Medical Center, Butler VA Medical Center, Butler, Pennsylvania, November 20, 1980.

"Parathyroid Hormone and Prostaglandin Interactions on Phosphate Excretion"

Presented to the American Society of Nephrology, Thirteenth Annual Meeting, Washington, D.C., November 24, 1980.

"Continuous Ambulatory Peritoneal Dialysis (CAPD)"

University of Pittsburgh School of Medicine, Medical Grand Rounds, December 12, 1980.

"Calcium and Vitamin D Metabolism"

University of Pittsburgh School of Medicine, Department of Pathology, Clinical Chemistry Laboratory, Pittsburgh, Pennsylvania, January 20, 1981.

"Urinary Tract Infections"

Presbyterian-University Hospital, Health Education Program, Pittsburgh, Pennsylvania, February 15, 1981.

"Use and Abuse of Diuretics"

Visiting Professor, Westmoreland Hospital, Continuing Medical Education Series, Greensburg, Pennsylvania, February 25, 1981.

"Factors Influencing Phosphate Excretion Following Chlorothiazide"

American Society for Clinical Pharmacology and Therapeutics, Annual Meeting, New Orleans, Louisiana, March 19, 1981.

"Renal Disease in SLE: Histopathology and Clinical Course"

Systemic Lupus Erythematosus Symposium, University of Pittsburgh School of Medicine, Division of Continuing Education, Pittsburgh, Pennsylvania, April 2, 1981.

"Fluid Balance Workshop"

Continuing Education for Physicians, Division of Continuing Education, University of Pittsburgh School of Medicine for the Forbes Health System, East Suburban Health Center, Monroeville, Pennsylvania, April 6, 1981.

"Effects of Vitamin D Metabolites on the Kidney"

Theodore E. Woodward, M.D. Retirement Tribute, University of Maryland School of Medicine, Baltimore, Maryland, May 22, 1981.

"In Vivo and In Vitro Effects of 1-34 and 1-84 Parathyroid Hormone"

VIII International Congress of Nephrology, Athens, Greece, June, 1981.

"Toxic Nephropathy"

Visiting Professor, Shadyside Hospital, Grand Rounds, Pittsburgh, Pennsylvania, June 25, 1981.

"Therapeutic Modalities for Renal Failure"

Continuing Education for Physicians, Division of Continuing Education, University of Pittsburgh School of Medicine for the Beaver County Medical Society, Penn State, Beaver Campus, Monaca, Pennsylvania, September 16, 1981.

"Hyponatremia"

Physiology Review Course, Department of Surgery, McKeesport Hospital, McKeesport Pennsylvania, October 2, 1981.

"Diagnosis and Management of Common Nephrologic Problems"

Visiting Professor, Medical Staff Conference, Weirton Medical Center, Weirton, West Virginia, February 27, 1982.

"Renal Tubular Acidosis"

University of Pittsburgh School of Medicine, Medical Grand Rounds, March 12, 1982.

"Hematuria, Proteinuria, and Mild Azotemia in the Asymptomatic Patient"

Seminars for the Practicing Physician, University of Pittsburgh School of Medicine and Southwestern Pennsylvania Area Health Education Center, Pittsburgh, Pennsylvania, April 1, 1982.

"Acid Base Diagnoses"

Visiting Professor, Mid-Atlantic Regional Medical Education Center, Veterans Administration Medical Center, Butler, Pennsylvania, September 1, 1982.

"Vitamin D and the Kidney"

Visiting Professor, Children's Hospital of Pittsburgh, Division of Pediatric Endocrinology Research Rounds, Pittsburgh, Pennsylvania, September 21, 1982.

"Hydrogen Ion Metabolism, Renal Acid-Base Handling"

Review of Acid-Base Disorders: A Physiologic Approach to Patient Management, University of Pittsburgh School of Medicine, Renal-Electrolyte Division, Department of Medicine and Division of Continuing Education, Pittsburgh, Pennsylvania, October 6, 1982.

"Fluid and Electrolyte Balance"

Seminars in Correlative Pathophysiology and Therapeutics, University of Maryland School of Medicine, Baltimore, Maryland, October 16, 1982.

"Metabolic Evaluation for Stone Disease"

University of Pittsburgh School of Medicine, GU Rounds, Pittsburgh, Pennsylvania, October 28, 1982.

"Calcium Metabolism"

University of Pittsburgh, Department of Orthopaedic Surgery, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania, February 2, 1983.

"Renal Stones"

Seminars for the Practicing Physician, University of Pittsburgh, School of Medicine, Division of Continuing Education, Pittsburgh, Pennsylvania, March 3, 1983.

"Diuretics: Mechanisms and Site of Action"

American Society for Clinical Pharmacology and Therapeutic Symposium, Annual Meeting, San Diego, California, March 10, 1983.

"Diuretics Therapy - Update"

Twenty-Eighth Greenville Post Graduate Seminar, Greenville Hospital System and Greenville County Medical Society, Greenville, South Carolina, March 29, 1983.

"The Treatment of Kidney Failure"

Presbyterian-University Hospital Aid Society, Pittsburgh, Pennsylvania, April 5, 1983.

"Current Update on Diuretics"

Visiting Professor, Richmond Memorial Hospital, Division of Medicine, the Medical Education Department, Richmond, Virginia, May 3, 1983.

"Diuretics: Use and Abuse"

Visiting Professor, Mercy Grand Rounds Seminar, Caswell Medical Center, Charlotte, North Carolina, May 27, 1983.

"Acute Renal Failure"

Visiting Professor, Broward General Medical Center, Fort Lauderdale, Florida, June 2, 1983.

"Hypokalemia and Bartter's Syndrome"

University of Pittsburgh School of Medicine, Medical Grand Rounds, July 29, 1983.

"Problems in Acid-Base Balance"

Visiting Professor, McKeesport Hospital, Department of Internal Medicine, August 9, 1983.

"The Physiological Basis for Diuretic Usage"

Visiting Professor, University Program in Nephrology, University of California, San Francisco, January 24, 1984.

"Effects of Vitamin D on the Kidney"

Renal Research Conference, Moffitt Hospital, University of California, San Francisco; Renal Grand Rounds, USCF: Case Presentation, January 24, 1984.

- "Physiological Basis for the Use of Diuretic Agents"** Visiting Professor, Department of Internal Medicine, Memorial Hospital, Hollywood, Florida, March 10, 1984.
- "Renal Stone Disease: An Overview"**
New Approaches to Patients with Kidney Stones: Combined Medical and Surgical Treatment, University of Pittsburgh School of Medicine, Division of Continuing Education, Pittsburgh, Pennsylvania, April 12, 1984.
- "Back Pain in a Patient with Nephrotic Syndrome"**
Clinical Pathologic Conference, University of Pittsburgh School of Medicine, May 9, 1984.
- "Use and Abuse of Diuretics"**
Monroe County Medical Association, Key West, Florida, September 20, 1984.
- "Disorders of Potassium Metabolism"**
Outreach Program, University of Pittsburgh School of Medicine, Division of Continuing Education, McKeesport Hospital, McKeesport, Pennsylvania, September 25, 1984.
- "Diuretic Therapy"**
Visiting Professor, Gaston Memorial Hospital, Continuing Medical Education Program, Gastonia, North Carolina, October 9, 1984.
- "Non-Dialytic Therapy in Acute Renal Failure"**
First National Acute Renal Failure Symposium, Allegheny General Hospital and Allegheny Health Services, Inc., Pittsburgh, Pennsylvania, November 14, 1984.
- "Glomerulonephritis"**
Veterans Administration Medical Center, Highland Avenue, Pittsburgh, Pennsylvania, December 19, 1984.
- "Therapy of Edema States"**
Visiting Professor, Community Hospital, Raleigh, North Carolina, March 7, 1985.
- "Review of Nephrology"**
MKSAP VI Review Course, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, March 25-29, 1985.
- "Study of Vitamin D Effects on Renal Tubular Transport"**
Nephrology Conference, the New York Hospital-Cornell Medical Center, New York, New York, April 2, 1985.
- "Evaluation and Medical Management of Renal Stone Disease"**
Visiting Professor, McKeesport Hospital, McKeesport, Pennsylvania, April 16, 1985.
- "The Normal Physiology of Cations and Their Role in Blood Pressure Regulation"**
Cardiology Symposium, "Cations, Drugs and Blood Pressure Control," Western Pennsylvania Heart Association and University of Pittsburgh School of Medicine, Division of Continuing Education, Pittsburgh, Pennsylvania, June 5, 1985.
- "Therapeutic Guidelines for Diuretic Use"**
Mercy Hospital, Pittsburgh, Pennsylvania, Medical Grand Rounds, June 13, 1985.
- "Metabolic Bone Disease in Chronic Renal Failure"**
University of Pittsburgh School of Medicine, Department of Medicine, Medical Grand Rounds, July 12, 1985.
- "Clinical Pharmacologic Implications in Diuretic Selection"**
Symposium, "Current Concepts in Diuretic Therapy," St. Thomas, United States Virgin Islands, July 26, 1985.
- "Renal Osteodystrophy"**
Renal Pathophysiology Lecture Series, Veterans Administration Medical Center, Buffalo, New York, October 9, 1985.
- "Guidelines and Treatment of Edema States with Diuretics"**
Continuing Medical Education Program, Berks County Medical Society, Reading, Pennsylvania, November 20, 1985.

- "Physiological Basis for Diuretic Usage"**
University of Pittsburgh School of Medicine, Department of Medicine, Pittsburgh, Pennsylvania, Medical Grand Rounds, December 13, 1985.
- "Renal Physiology: Fluids, Electrolytes and Acid-Base Equilibrium"**
General Surgery Update, McKeesport Hospital, McKeesport, Pennsylvania, January 6, 1986.
- "Physiological Basis for Diuretic Usage"**
Allegheny General Hospital, Pittsburgh, Pennsylvania, Medical Grand Rounds, January 8, 1986.
- "Diuretics: Use and Abuse"**
Doctors Hospital, Columbus, Ohio, Medical Grand Rounds, January 16, 1986.
- "Diuretics: Use and Abuse"**
York Hospital, York, Pennsylvania, Grand Rounds, February 6, 1986.
- "Diuretic Use in Edema States"**
Portsmouth Academy of Family Physicians, Ramada Inn, Portsmouth, Ohio, February 18, 1986.
- "Diuretics: Use and Abuse"**
Suburban Hospital, Bethesda, Maryland, Grand Rounds, April 2, 1986.
- "Acute Effects of Nitrendipine on Renal Function in Man"**
Second International Nitrendipine Symposium, "Calcium Antagonists in Hypertension: Update 1986," Lisbon, Portugal, April 17-19, 1986.
- "Electrolyte Disorders"**
Internal Medical Review Course, University of Pittsburgh School of Medicine, Department of Medicine, Pittsburgh, Pennsylvania, May 12, 1986.
- "Use and Abuse of Diuretics"**
Seminars for the Practicing Physician: Medical and Surgical Treatment of Common Urologic and Kidney Problems, University of Pittsburgh School of Medicine, Division of Continuing Education, Pittsburgh, Pennsylvania, June 11, 1986.
- "Evidence for a Circulating Humoral Inhibitor Based Upon Transport Studies"**
Second International Conference on Diuretics, Cascais, Portugal, June 27, 1986.
- "Effect of Nitrendipine in a Rat Model of Ischemic Acute Renal Failure"**
Satellite Symposium to the Second International Conference on Diuretics, "Renal Effects of Dihydropyridine-type Calcium Antagonists," Cascais, Portugal, June 27, 1986.
- "Physiologic Basis for the Use of Diuretics"**
Sixth Annual Nephrology Update - 1986, the Cleveland Clinic Foundation, Cleveland, Ohio, October 22, 1986.
- "Fluid and Electrolyte Disorders"**
Sixth Annual Nephrology Update - 1986, the Cleveland Clinic Foundation, Cleveland, Ohio, October 23, 1986.
- "Do Calcium Channel Blockers Protect Against Renal Ischemia?"**
Symposium, "Calcium Antagonists and the Kidney," University of Miami School of Medicine, Carlsbad, California, November 7, 1986.
- "Mechanisms of Phosphate Transport Regulation"**
Visiting Professor, University of Pennsylvania School of Medicine, Renal Electrolyte Section, Philadelphia, Pennsylvania, Renal Grand Rounds, January 27-28, 1987.
- "Renal Failure in Liver Transplant Patients"**
Postgraduate Course, "Advanced Nephrology: Nephrology for the Consultant," University of California, San Diego, School of Medicine, Division of Nephrology/Department of Medicine, San Diego, California, January 29-31, 1987.
- "Nephrolithiasis"**
University of Pittsburgh School of Medicine, Medical Grand Rounds, Pittsburgh, Pennsylvania, April 3, 1987.
- "Acid-Base Disorders"**

- St. Francis Medical Center, Pittsburgh, Pennsylvania, Grand Medical Rounds, September 2, 1987.
- "The Physiological Basis for Diuretic Administration"**
Visiting Professor, Nephrology Seminar, Wake Forest University, Bowman Gray School of Medicine, September 16, 1987.
- "Volume Expansion Effects on Proximal Tubular Transport and the Kidney"**
Visiting Professor, Research Conference, Wake Forest University, Bowman Gray School of Medicine, September 16, 1987.
- "Prostaglandins, Non-Steroidal Anti-Inflammatory Drugs and the Kidney"**
Second Annual Update in Internal Medicine, University of Pittsburgh School of Medicine, Department of Medicine and Division of Continuing Education, Pittsburgh, Pennsylvania, November 3, 1987.
- "Do Calcium Antagonists Protect Against Renal Ischemia?"**
Symposium, "Calcium Antagonists and the Kidney," University of Miami School of Medicine, Hyatt Regency Grand Cypress, Orlando, Florida, November 5-7, 1987.
- "Effects of Torasemide on Electrolyte Excretion and Renal Hemodynamics in Normal Volunteers"**
Torasemide Mini-Symposium, Rockville, Maryland, November 23, 1987.
- "Clinical Pharmacology of Metolazone"**
Symposium: "Use of Diuretics in the Treatment of Hypertension," Scottsdale, Arizona, January 23-24, 1988.
- "Effects of Non-Steroidal Anti-Inflammatory Agents on the Kidney"**
Medical Center of Beaver County, February 18, 1988.
- "Adverse Effects of Non-Steroidal Anti-Inflammatory Agents on the Kidney"**
Ohio Valley Hospital, March 1, 1988.
- "Prostaglandins, Non-Steroidal Anti-Inflammatory Drugs and the Kidney"**
Visiting Professor, Nephrology Division, University of Wisconsin, Madison, Wisconsin, May 5-6, 1988.
- "Mechanisms of Phosphate Transport Regulation"**
Seminar: Merck Institute for Research, West Point, Pennsylvania, July 11, 1988.
- "Newer Diuretics - Indications and Physiology"**
Renal Disease Symposium, the Medical Center, Beaver, Pennsylvania, September 14, 1988.
- "Prostaglandins, Non-Steroidal Anti-Inflammatory Drugs and the Kidney"**
St. Francis Medical Center, Pittsburgh, Pennsylvania, Grand Medical Rounds, October 12, 1988.
- "Prostaglandins and the Kidney: Basis for the Nephrotoxic Effects of Non-Steroidal Agents"**
Louisiana State University, Medical Resident's Rounds, December 15, 1988.
- "Acid-Base Disorders"**
1989 Update in Internal Medicine, University of Pittsburgh School of Medicine, Department of Medicine and The Center for Continuing Education for the Health Sciences, Pittsburgh, Pennsylvania, June 2, 1989.
- "Studies of Phosphate Transport in the Nephron and the Mechanisms of its Regulation"**
Guest lecturer, Fundacion Jimenez Diaz, Department of Renal Pathophysiology, Madrid, Spain, June 23, 1989.
- "Renal Physiology and Electrolyte Management in the General Surgical Patient"**
McKeesport Hospital, McKeesport, Pennsylvania, January 18, 1990.
- "Acid-Base Status in Chronic Renal Failure" and "Diuretic Update-1990"**
International Course in Nephrology, Caracas, Venezuela, February 14-17, 1990, sponsored by the International Society of Nephrology.
- "Diuretics: An Overview," and "Effects of Systemic and Urinary pH on the Natriuretic Potency of Loop Diuretics"**
Seventh Argentine Congress of Nephrology, Buenos Aires, Argentina, April 28 - May 2, 1990.
- "The Renal Effects of Non Steroidal Anti Inflammatory Agents"**
Visiting Professor, Mercy Hospital of Pittsburgh, Pittsburgh, Pennsylvania, May 10, 1990.

- "Diagnosis and Management of Acid-Base Disorders," "Hyponatremia," and "Guidelines for Diuretic Therapy."**
Visiting Professor, Williamsport Hospital, Williamsport, Pennsylvania, May 17-18, 1990.
- "Diagnosis and Management of Kidney Stones"**
Update in Internal Medicine 1990, Department of Medicine, University of Pittsburgh, May 22, 1990.
- "Diuretics in the Therapy of Hypertension: Impact on Cardiovascular Risk Factors"**
Symposium on Cardiovascular Disease Risk Factors, sponsored by the Office of Continuing Medical Education, Tulane University School of Medicine, New Orleans, Louisiana, August 11, 1990.
- "Sites and Mechanisms of the Renal Actions of Diuretics in Man"**
Fourth Interamerican Congress on Clinical Pharmacology and Therapeutics, Mexico City, Mexico, September 19-22, 1990.
- "Swelling"**
Vital Signs, co-production of Tulane University Medical Center and WLAE-TV, Channel 32, New Orleans, Louisiana, October 10, 1990.
- "Internal Medicine Training at Tulane Medical Center: Present and Future Considerations"**
XXI Maxwell Lapham Lectureship, "Tulane's Leadership in the Changing Medical World of the 1990's," presented by the Tulane Medical Alumni Association, Tulane University Medical Center, October 26, 1990.
- "Disorders of Sodium and Water Balance"**
Gulfport Memorial Hospital, Continuing Medical Education, Gulfport, Mississippi, January 15, 1991.
- "Mechanisms of Phosphate Transport Regulation"**
Ochsner Hospital, New Orleans, Louisiana, February 14, 1991.
- "Acid-Base Diagnosis and Management"**
Keesler Air Force Base, Biloxi, Mississippi, March 14, 1991.
- "Diagnosis and Management of Acute Renal Failure"**
Slidell Memorial Hospital, Slidell, Louisiana, April 30, 1991.
- "Prostaglandins, NSAID's and the Kidney"**
Biloxi Regional Hospital, Biloxi, Mississippi, May 7, 1991.
- "Internal Medicine Training Today and in the Future"**
Forrest General Hospital, Hattiesburg, Mississippi, May 10, 1991.
- "The Kidney in Hypertension"**
Current Concepts & Controversies in Primary Care, Hyatt Regency New Orleans, New Orleans, Louisiana, May 25, 1991.
- "Prostaglandins, NSAID's and the Kidney"**
Primary Care Update Conference, Hyatt Regency New Orleans, New Orleans, Louisiana, June 22, 1991.
- "The Kidney in Hypertension"**
Lake Charles, Louisiana, Area Physicians, City Club, Lake Charles, Louisiana, July 23, 1991.
- "Diuretics"**
Tulane University School of Medicine, Pharmacology Course, February 14, 1992.
- "Roundtable on Diuretics and Antihypertensives"**
Tulane University School of Medicine, Pharmacology Course, February 18, 1992.
- "Diuretics in the Management of Hypertension"**
Rapides Regional Medical Center, Alexandria, Louisiana, February 20, 1992.
- "Problems in Electrolyte and Fluid Balance: Hyponatremia"**
Tulane University School of Medicine, Clinical Correlation, Physiology Course, March 12, 1992.
- "Diabetes and Hypertension/Renal Disease"**
Advances in the Management of Diabetes for the Practicing Physician, Tulane University School of Medicine, Department of Medicine, New Orleans, Louisiana, March 14, 1992.
- "Diagnosis and Management of Chronic Renal Failure"**

Sacred Heart Hospital, Pensacola, Florida, March 20, 1992.

"Renal Osteodystrophy"

Tulane University School of Medicine, Department of Medicine, Medicine Grand Rounds, March 25, 1992.

"Acid-Base I"

Tulane University School of Medicine, Department of Medicine, Medical Knowledge Self-Assessment Program Lecture Series for Residents, April 14, 1992.

"Renal Osteodystrophy"

"Mechanisms of Phosphate Transport Regulation"

Visiting Professor, Department of Medicine, SUNY-Health Science Center at Brooklyn, Brooklyn, New York, April 16-17, 1992.

"Acid-Base II"

Tulane University School of Medicine, Department of Medicine, Medical Knowledge Self-Assessment Program Lecture Series for Residents, April 27, 1992.

"The Kidney and Hypertension"

Hypertension Learning Center: Pilot Program, Tulane University School of Medicine, Department of Medicine, and the American Society of Hypertension, Hyatt Regency, New Orleans, Louisiana, May 1, 1992.

"Hypertension and Renal Disease in the Elderly"

Advances in Geriatric Medicine for the Practicing Physician, Tulane University Medical Center, Clinical Associates Program, Department of Medicine and Office of Continuing Education, Hyatt Regency, New Orleans, Louisiana, June 27, 1992.

"Diuretics in the Therapy of Hypertension in the Diabetic Patient"

Fourth International Conference on Diuretics, The Boca Raton Resort & Club, Boca Raton, Florida, October 15, 1992.

"Internal Medicine, Surgery & Pediatrics for the Practicing Physician"

Organizer and Moderator, Continuing Medical Education Program presented by Tulane University School of Medicine, Department of Medicine, Sandestin Beach Hilton, Destin, Florida, October 17-18, 1993.

"Are Diuretics Passé in the Treatment of Hypertension?"

New Orleans Academy of Internal Medicine, New Orleans, Louisiana, October 29, 1992.

"Disorders of Calcium, Phosphorous and Magnesium Metabolism"

Tulane University School of Medicine, Department of Medicine, Medical Knowledge Self-Assessment Program Lecture Series for Residents, February 4, 1993.

"Pharmacological Classification and Renal Actions of Diuretics"

International Symposium: New Advances in Diuretic Treatment, Cannes, France, February 12, 1993.

"Diuretics"

Tulane University School of Medicine, Pharmacology Course, February 16, 1992.

"Round Table on Diuretics and Antihypertensives"

Tulane University School of Medicine, Pharmacology Course, February 18, 1992.

"Management of Chronic Renal Failure"

"Acid-Base Diagnosis and Management"

"Prostaglandins, Nonsteroidal Anti-inflammatory Drugs and the Kidney"

Sponsored by Tulane Medicine: A Symposium in Costa Rica, the IV Medical Congress, Hospital San Juan de Dios, San Jose, Costa Rica, May 12-14, 1993.

"Diuretic Resistance"

Tulane University School of Medicine, Department of Medicine, Medicine Grand Rounds, May 19, 1993.

"Therapy of Hypertension"

Tulane University School of Medicine, Department of Medicine, Junior Clerkship Lecture Series, May 20, 1993.

- "Metabolic Bone Disease Associated with Renal Failure: Unresolved Issues"**
Boehringer Mannheim GmbH, Bone Metabolism Group, Mannheim, Germany, June 7, 1993.
- "Therapy of Hypertension with Diuretics"**
Boehringer Mannheim B.V. Netherland, Amsterdam, the Netherlands, June 8, 1993.
- "The Role of Diuretics in the Management of Hypertension"**
Nahariya Update International Meeting on: Emergency, Circulatory, Metabolic and Renal Disorders, Nahariya, Israel, June 10, 1993.
- "Prostaglandins, Non-steroidal Anti-inflammatory Drugs and the Kidney"**
- "Metabolic Bone Disease Associated with Chronic Renal Failure: Unresolved Issues"**
Visiting Professor, Department of Medicine, Indiana University School of Medicine, July 20-22, 1993.
- "Mechanisms of PO₄ Transport Regulation"**
Tulane University School of Medicine, Department of Physiology, Endocrine Workshop, November 22, 1993.
- "Diuretics"**
Tulane University School of Medicine, Pharmacology Course, February 21-22, 1994.
- "Round Table on Diuretics and Antihypertensives"**
Tulane University School of Medicine, Pharmacology Course, February 22, 1994.
- "Diuretic Resistance: Etiology and Management"**
Visiting Professor, University of Southern California School of Medicine, Los Angeles, California, March 1-2, 1994.
- "Recent Developments in the Management of Chronic Renal Failure"**
Organizer, Moderator and Speaker, Continuing Medical Education Program presented by Tulane University School of Medicine, Department of Medicine, The Westin Canal Place, New Orleans, Louisiana, June 18-19, 1994.
- "Disorders of Potassium and Magnesium Balance"**
Sixteenth Annual New Orleans Internal Medicine Board Review Course, Hyatt Regency Hotel, New Orleans, Louisiana, July 28-August 2, 1994.
- "Diuretic Resistance"**
Medical Staff Meeting, Mercy+Baptist Hospital, New Orleans, Louisiana, August 5, 1994.
- "Therapy of the Diuretic-Resistant Patient"**
Continuing Medical Education Lecture Series for the Internal Medicine Group, New Orleans, Louisiana, August 10, 1994.
- "Calcium and Phosphorous Metabolism"**
Tulane University School of Medicine, Department of Medicine, Medicine Resident Lecture Series, August 11, 1994.
- "The Role of Diuretics in the Treatment of Hypertension"**
Oschner Medicine Grand Rounds, Alton Ochsner Medical Foundation, New Orleans, Louisiana, August 15, 1994.
- "Diuretic Resistance"**
Medicine Grand Rounds, Touro Hospital, New Orleans, Louisiana, October 6, 1994.
- "Diuretic Resistance"**
Staff Conference, Medical Center of Baton Rouge, Baton Rouge, Louisiana, November 8, 1994.
- "New Advances in Prevention and Management of Chronic Renal Failure"**
- "Controversies in the Management of High Blood Pressure"**
- "Treatment of Refractory Edema"**
Honduras Internal Medicine Congress, Tegucigalpa, Honduras, December 1-3, 1994.
- "Renal Insufficiency and Congestive Heart Failure: Impact of New Loop Diuretics"**
Consensus Conference on Loop Diuretics, Turnberry Isle, Florida, December 8-9, 1994.

- "Recognition and Management of Diuretic Resistance"**
Memorial Mission Hospital, Asheville, North Carolina, January 26, 1995.
- "Therapy of Diuretic Resistance"**
Northeast Tennessee Society of Hospital Pharmacists January Meeting, Johnson City, Tennessee, January 26, 1995.
- "Diuretics: Physiology, Pharmacology & Clinical Applications"**
Tulane University School of Medicine, Pharmacology Course, February 20, 1995.
- "Recognition and Management of Diuretic Resistance in Congestive Heart Failure"**
Baptist Hospital, Internal Medicine Conference, Pensacola, Florida, March 14, 1995.
- "Etiology and Management of Diuretic Resistance"**
Visiting Professor, Southern Illinois University School of Medicine, Medicine Grand Rounds, Springfield, Illinois, April 10-11, 1995.
- "Regulation of Na/Phosphate Co-transport"**
Tulane University School of Medicine, Department of Medicine, Monthly Research Conference, April 17, 1995.
- "The Department of Medicine 1995: A Progress Report"**
Tulane University Medical Center, Chancellor's Council Spring Meeting, New Orleans, Louisiana, April 18-19, 1995.
- "Recognition and Management of Diuretic Resistance"**
UCLA School of Medicine, Nephrology Conference, Los Angeles, California, June 15, 1995.
- "Nephrology and Hypertension"**
Southern Medical Association's Second Annual Symposium entitled "What's Hot in Primary Care: Case-Based Medicine and Management," Palm Beach, Florida, July 14, 1995.
- "Disorders of Potassium and Magnesium Balance"**
New Orleans Internal Medicine Board Review, July 29, 1995.
- "The Role of Diuretics in the Therapy of Hypertension"**
- "Etiology and Management of Diuretic Resistance"**
Visiting Professor, Scranton-Temple Residency Program, August 23-25, 1995.
- "Recognition and Management of Diuretic Resistance"**
St. Joseph Medical Center, Burbank, California, November 9, 1995.
- "Rounds and Case Presentations"**
Visiting Professor, Cedars Sinai Medical Center, Los Angeles, California, November 10, 1995.
- "Therapeutic Advances in Congestive Heart Failure"**
The Medical Center, Columbus, Georgia, December 5, 1995.
- "Diuretics"**
Sophomore Pharmacology Course, Tulane University Medical School, February 16, 1996.
- "Diuretic Resistance"**
Boca Raton Community Hospital, Boca Raton, Florida, February 23, 1996.
- "Hyponatremia"**
Marion Hargrove Memorial Lecture, Visiting Professor in Medicine, Louisiana State University School of Medicine in Shreveport, March 18-19, 1996.
- "Hyponatremia"**
Medical Physiology Course, Clinical Correlation, Tulane University School of Medicine, March 27, 1996.
- "Role and Use of Diuretics in the Management of Hypertension"**
Renal, Metabolic and Hypertension Update, Tulane University School of Medicine, April 12-14, 1996.
- "Recognition and Management of Diuretic Resistance"**
Scioto County Medical Society, Portsmouth, Ohio, April 16, 1996.
- "Metabolic Bone Disease Associated with Chronic Renal Failure: Unresolved Issues"**
- "Recognition and Management of Diuretic Resistance"**

Visiting Professor, Section of Nephrology and Department of Medicine, Lenox Hill Hospital, New York, October 10-11, 1996.

"Diuretic Resistance: Recognition and Management"

"Metabolic Bone Disease Associated with Chronic Renal Failure: Unresolved Issues"

"The Role of Diuretics in the Management of Hypertension"

Visiting Professor, Division of Nephrology and Department of Medicine, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, New Brunswick, New Jersey, October 15-16, 1996.

"The Role of Diuretics in the Management of Hypertension"

Visiting Professor, University of Alabama at Birmingham, Montgomery Internal Medicine Residency Program, January 10, 1997.

"What Happens When a For-Profit Company Buys Your Hospital? The Tulane University-Columbia/HCA Partnership"

Annual meeting of the Association of Professors of Medicine, February 26-March 1, 1997, St. Petersburg, FL.

"Management of the Oliguric Patient"

Program Director and Moderator, Internal Medicine Update - 1997, Southwest Mississippi Regional Medical Center, McComb, Mississippi, March 8, 1997.

"The Role of Diuretics in Hypertension and Congestive Heart Failure"

Renal, Hypertension and Cardiovascular Update, Jazzfest Conference, Westin Canal Place Hotel, New Orleans, Louisiana, April 27, 1997.

"Recognition and Management of Diuretic Resistance"

Nephrology Grand Rounds, Jefferson University Medical School, Philadelphia, Pennsylvania, June 5, 1997.

"The Role of Diuretics in the Management of Hypertension"

Special Symposium sponsored by University of Chile, University of Santiago, and Catholic University Medical Schools, Santiago, Chile, August 17, 1997.

"The Role of Diuretics in the Management of Hypertension"

Family Practice Program, Grand Rounds, Wilkes-Barre General Hospital, Wilkes-Barre, Pennsylvania, September 11, 1997.

"Recognition and Management of Diuretic Resistance"

Hazleton General Hospital, Medical Staff Meeting, Hazleton, PA, September 12, 1997.

"Metabolic Bone Disease Associated with Chronic Renal Failure: Unresolved Issues"

Renal Round Table, Seven Springs, PA, October 24-26, 1997.

"Diuretics: Physiology, Pharmacology, and Clinical Applications"

Tulane University School of Medicine, Pharmacology Course, January 20, 1998.

"Tulane University School of Medicine: Medical Education and Curriculum Reform"

University of São Paulo School of Medicine, São Paulo, Brazil, February 18, 1998.

"Treatment of Refractory Edema"

Meet-the Professor Sessions, American College of Physicians Annual Meeting, San Diego, CA, April 2 and 3, 1998.

"Consensus Recommendations for the Treatment of Hypertension"

Renal, Hypertension and Cardiovascular Update, Jazzfest Conference, Westin Canal Place Hotel, New Orleans, Louisiana, April 24, 1998.

"Diuretics: Physiology, Pharmacology, and Clinical Applications"

Tulane University School of Medicine, Pharmacology Course, January 25, 1999.

"Pathophysiology of Hypertension"

Second Year Medical Student Pathophysiology Course, February 9, 1999.

"Review of Renal Disease"

Joint symposium of the American College of Physicians-American Society of Internal

Medicine and the American College of Cardiology, New Orleans, LA, March 9, 1999.

"Medical Figures in Sports"

Address presented to the annual meeting of the Tulane Medical School Chapter of Alpha Omega Alpha, May 30, 1999.

"Principles and Practice of Acid-Base Diagnosis and Management"

Sixty-first National-Regional Congress of the College of Physicians and Surgeons of Costa Rica, December 2, 1999.

"Pathophysiology of Hypertension"

Second Year Medical Student Pathophysiology Course, January 19, 2000.

"Diuretics: Physiology, Pharmacology and Clinical Applications"

Tulane University School of Medicine, Pharmacology Course, January 20, 2000.

"State of the Society-2000"

Presidential Address, Southern Society for Clinical Investigation, New Orleans, LA, February 18, 2000.

"Studies of Volume Expansion-Mediated Hypertension"

Presidential Symposium, Annual Meeting of the Southern Society for Clinical Investigation, New Orleans, LA, February 18, 2000.

"Hypertension Update - What's New in Internal Medicine"

Moderated and Organized Update Course, Perdido Beach Resort, Orange Beach, AL, June 3-4, 2000.

"Diuretic Resistance"

Annual Musser-Burch Society Medicine Grand Rounds, Tulane University School of Medicine, September 1, 2000.

"Pathophysiology of Hypertension"

Second Year Medical Student Pathophysiology Course, January 17, 2001.

"Diuretics: Pharmacology, Physiology and Clinical Applications"

Tulane University School of Medicine, Pharmacology Course, January 18, 2001.

"The Role of Diuretics in Acute and Chronic Renal Failure Before and After Dialysis"

Annual Conference on Dialysis, New Orleans, LA, February 19, 2001.

"Phosphate Metabolism and Transport in Health and Disease"

Tulane Renal and Cardiovascular Update, March 27, 2001.

"Diuretics: Physiology, Pharmacology, and Clinical Applications"

Tulane University School of Medicine, Pharmacology Course, September 24, 2001.

"Pathophysiology of Hypertension"

Second Year Medical Student Pathophysiology Course, October 2, 2001.

"Development of a Diagnostic Test for the Determination of Volume Expansion-Mediated Hypertension"

Address to the Colegio Medico de Costa Rica, San Jose, Costa Rica, November 1, 2001

"Recent Advances in the Diagnosis and Management of Hypertension"

Medicine Grand Rounds, Calderon Guardia Hospital, San Jose, Costa Rica, November 2, 2001.

"Diuretic Resistance"

Internal Medicine Grand Rounds, Visiting Professor, Shreveport LSU Health Sciences Center, November 27, 2001.

"Diagnostic and Therapeutic Approaches in Volume Expansion Mediated Hypertension"

Texas Tech Medical Center, El Paso, TX, June 28, 2002.

"Hypercalcemia: Diagnosis and Management"

Resident Conference, Department of Medicine, Tulane University School of Medicine, September 5, 2002.

"Diuretic Resistance"

Visiting Professor, Grand Rounds, University of Oklahoma Health Sciences Center, Oklahoma City, OK, September 18, 2002.

"Diuretics"

Tulane University School of Medicine, Pharmacology Course, October 4, 2002.

"Pathophysiology of Hypertension"

Second Year Medical Student Pathophysiology Course, Tulane University School of Medicine, October 8, 2002.

"Preeclampsia as a Model of Volume Expansion-Mediated Hypertension"

Tulane Hypertension and Renal Center of Excellence Seminar, Tulane University School of Medicine, February 4, 2003.

"Acid-Base Balance"

Visiting Professor, Grand Rounds, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, March 12, 2003.

"Preeclampsia as a Model of Volume Expansion-Mediated Hypertension"

University of Mississippi School of Medicine, Maternal-Fetal medicine Conference, Jackson, MS, March 21, 2003.

"Study of the Mechanisms of Volume Expansion-Mediated Hypertension"

Tulane University School of Medicine, Department of Medicine Monthly Research Conference, June 24, 2003.

"Diuretics"

Tulane University School of Medicine, Pharmacology Course, September 26, 2003.

"Diuretics I and II"

Tulane University School of Medicine, Pharmacology Course, September 24, 2004.

"Pathophysiology and Management of Hypertension"

Tulane University School of Medicine, Second Year Medical Students Pathophysiology Course, October 4, 2004.

"Hyponatremia"

Tulane University School of Medicine, Resident Lecture, November 1, 2004.

"Department of Medicine Review and Current Status"

Tulane University School of Medicine, Musser-Burch Luncheon, November 10, 2004.

"An Approach to Volume Expansion Mediated Essential Hypertension"

Tulane University School of Medicine, Grand Rounds, March 23, 2005.

"A Rat Model of Preeclampsia"

Presented to the annual meeting of the North American Society for the Study of Hypertension in Pregnancy, August 14, 2005, Oglebay, West Virginia.

"Preeclampsia as a Model of Volume Expansion – Mediated Hypertension"

Presented at the Nephrology Conference, University of Texas Medical Branch, Galveston, Texas, March 17, 2006.

"Preeclampsia as a Model of Volume Expansion – Mediated Hypertension"

Presented at Nephrology Grand Rounds, Tulane University School of Medicine, New Orleans, Louisiana, April 21, 2006.

"Preeclampsia as a Model of Volume Expansion – Mediated Hypertension"

Presented at a Seminar, Texas A&M College of Medicine, Temple, Texas, May 23, 2006.

"An Approach to the Diagnosis and Management of Volume Expansion-Mediated Hypertension: Emphasis on Preeclampsia"

Presented to OB/Gyn Conference, Texas A & M College of Medicine/Scott & White, August 21, 2006.

"The Pathogenesis of Preeclampsia: Is There a Role For Excessive Volume Expansion?"

Presented at the Darnall Hospital OB/Gyn Conference, Fort Hood, Texas, September 6, 2006.

"Acid-Base Balance –I"

Nephrology Pathophysiology Conference, Texas A & M College of Medicine/Scott & White, September 13, 2006.

"Acid-Base Balance –II"

Nephrology Pathophysiology Conference, Texas A & M College of Medicine/Scott & White, Oct. 11, 2006.

"Circulating Vasoactive Factors in the Pathogenesis of Volume Expansion-Mediated Hypertension"

2nd Annual CVRI Research Retreat, Texas A & M Health Science Center Department of Systems Biology and Translational Medicine, College of Medicine Department of Medicine, Scott & White, College Station, Texas, Oct. 19-20, 2006.

"Hyponatremia"

Nephrology Renal Physiology Conference, Texas A & M College of Medicine/Scott & White, Nov. 08, 2006.

"Diuretic Resistance"

Department of Medicine Grand Rounds, Texas A & M College of Medicine/Scott & White, Temple, TX, Jan. 05, 2007.

"Acid-Base Disorders"

Renal/GU Block V, Texas A & M College of Medicine, College Station, TX, Jan. 09, 2007.

"Investigations in Preeclampsia: Potential Collaborative Studies"

Military Group, Society of Maternal-Fetal Medicine, San Francisco, CA, Feb. 8, 2007.

"Diuretics: physiology, pharmacology and clinical applications"

First year medical student lecture, Rambam Medical School-Technion Institute of Science, Haifa, Israel, June 7, 2007.

"Approach to the Diagnosis and Management of Volume Expansion-Mediated Hypertension: Emphasis on Preeclampsia"

Seminar, Physiology and Nephrology Departments, Rambam Medical School-Technion Institute of Science, Haifa, Israel, June 7, 2007.

"Vascular Effects of the Bufodienolides"

Presented to the 120th Annual meeting of the American Clinical and Climatological Association, Tuscon, Arizona, October 19, 2007.

"Acid-Base Disorders"

Renal/GU Block V, Texas A & M College of Medicine, College Station, TX, Jan. 09, 2008.

"Hyponatremia and Hypernatremia"

Renal/GU Block V, Texas A & M College of Medicine, College Station, TX, Jan. 11, 2008.

"Vascular Effects of the Bufodienolides"

Nephrology Physiology Conference, Scott & White/Texas A & M College of Medicine, Temple, TX, February 13, 2008.

"Role of the Bufodienolides in the Diagnosis and Management of Volume Expansion-Mediated Hypertension: Emphasis on Preeclampsia"

Reproductive Biology Forum, Texas A&M School of Veterinary Medicine, College Station, TX, April 11, 2008.

"Experimental Studies of Volume Expansion-Mediated Hypertension"

Faculty Research Colloquium, Texas A&M College of Medicine/Scott & White Hospital, Temple, TX, August 20, 2008.

"Experimental Studies of Volume Expansion-Mediated Hypertension"

Institute of Regenerative Medicine, Texas A&M College of Medicine/Scott & White Hospital-West Campus, Temple, TX, October 21, 2008.

"Acid-Base Balance"

Renal/GU Block V, Texas A&M College of Medicine, College Station, TX, Jan. 14, 2009.

"Body Water Balance: Hyponatremia and Hypernatremia"

- Renal/GU Block V, Texas A&M College of Medicine, College Station, TX, Jan. 16, 2009.
- "The Vision of Texas A&M/ Scott & White and the Central Texas VA"**
Advisory Committee for the Institute of Regenerative Medicine, Round Rock, TX, Feb. 05, 2009.
- "Preeclampsia: An Example of Volume Expansion-Mediated Hypertension"**
Obstetrics Department, University of Texas at Houston, Houston, TX, Apr. 29, 2009.
- "Acid-Base Balance"**
Renal/GU Block V, Texas A&M College of Medicine, College Station, TX, Jan. 11, 2010.
- "Body Water Balance: Hyponatremia and Hybernatriemia"**
Renal/GU Block V, Texas A&M College of Medicine, College Station, TX, Jan. 13, 2010.
- "Marinobufagenin Predicts and Resibufogenin Prevents Preeclampsia"**
Presentation to the Gates Foundation, Seattle, WA, Feb. 22, 2010.
- "Address to Graduating Senior Residents"**
Texas Tech El Paso Paul Foster School of Medicine, El Paso, TX, June 11, 2010.
- "Role of Sodium/Potassium ATPase Inhibitors in Hypertensive & Cardiovascular Disorders & in Kidney Disease Progression"** KDIGO Controversies Conference, London, England, October 30, 2010.
- "New and Novel Approaches to the Diagnosis and Management of Pregnancy-Associated Hypertension"**
Texas A&M College of Veterinary Medicine and Biomedical Sciences, College Station, TX, January 11, 2011.
- "The Involvement of Cardiotonic Steroids in Traumatic Brain Injury"**
Mission Connect, Houston, TX, February 8, 2011
- "The Role of the Bufodienolides in Hypertensive States and in Kidney Disease"**
Baylor Medical Center Nephrology Conference, Houston, TX, February 24, 2011.
- "New and Novel Approaches to the Diagnosis and Management of Preeclampsia"**
Address at the Annual Residents Research Conference, Department of Obstetrics & Gynecology, Texas Tech Paul Foster College of Medicine, El Paso, TX, March 4, 2011
- "Involvement of the Cardiac Glycosides in Disorders of Vascular Integrity: A Tale of Two Syndromes"**
Talk to the Acute Surgical Care Group, Department of Surgery, UT-Houston School of Medicine, Houston, TX, April 22, 2011.
- "Involvement of the Cardiac Glycosides in Disorders of Vascular Integrity, A Tale of Two Syndromes: Preeclampsia and Traumatic Brain Injury"**
Talk to Mission Connect, Houston, TX, May 13, 2011.
- "Involvement of the Cardiotonic Steroids in Hypertensive and Neurologic Disorders: A Tale of Two Syndromes"**
Talk to Departments of Neurosurgery, Neuro-oncology and Neurology, Methodist Hospital, Houston, TX August 19, 2011.
- "Involvement of the Cardiotonic Steroids in Hypertensive and Neurologic Disorders: A Tale of Two Syndromes"**
Talk to the University of Houston School of Pharmacy, Houston, TX, September 2, 2011.
- "New and Novel Approaches to the Diagnosis and Management of Preeclampsia"**
Talk to Uterine Biology and Pregnancy Team, Texas A&M University, College Station, TX, October 25, 2011.
- "New and Novel Approaches to the Diagnosis and Management of Preeclampsia"**
Talk to the Maternal Fetal Medicine Group, UTMB College of Medicine, Galveston, TX, July 18, 2012
- "The Bufodienolides in Health and Disease"**
Talk to the Department of Pathobiology, Texas A & M College of Veterinary Medicine and Biomedical Sciences, September 4, 2012
- "The Role of the Bufodienolides in Hypertensive and Kidney Disorders"**
Talk to the UT-Houston Nephrology Group, November 26, 2012
- "Involvement of the Cardiotonic Steroids in Hypertensive and Neurologic Disorders: A Tale of Two Syndromes"**

Talk to the Reproductive Biology and Neuroscience Groups, Texas A & M, February 15, 2013.

“Introduction of the 2013 Founders Awardee of the Southern Society for Clinical Investigation”

Annual Meeting of the SSCI, February 22, 2013.

“Involvement of the Cardiotonic Steroids in Hypertensive and Neurologic Disorders: a Tale of Two Syndromes”

Presentation to the Orthopedic Research Group, Scott & White Healthcare, June 12, 2013.

“New and Novel Approaches to the Diagnosis and Management of Preeclampsia”

Obstetric/Gynecology Grand Rounds, Baylor Medical Center, Dallas, TX, September 18, 2013

“Involvement of the Bufodienolides in Disorders of Vascular Integrity: A Tale of Two Syndromes”

Talk to the Houston VAH Research Group, 12/4/2013