

## **CURRICULUM VITAE**

**Robert M. Weiss, M.D.**

### **EDUCATION**

- 1957 B.S. Franklin & Marshall College, Lancaster, Pennsylvania  
1960 M.D. State University of New York, Downstate Medical Center

### **PROFESSIONAL APPOINTMENTS**

- 1960-1961 Internship, Second (Cornell) Medical Division, Bellevue Hospital, New York, NY
- 1961-1962 Residency in General Surgery, Beth Israel Hospital, New York, New York
- 1963-1964 Residency in Urology, Squier Urological Clinic, Presbyterian Hospital, New York, NY
- 1964-1965 Visiting Fellow, American, Department of Urology (Pharmacology), Columbia University, College of Physicians and Surgeons, (Columbia-Presbyterian Medical Center), New York, New York
- 1965-1967 Residency in Urology, Squier Urological Clinic, Presbyterian Hospital, New York, New York (Chief Resident, July 1 - December 31, 1966)
- 1967 Associate, Department of Urology, Columbia University, College of Physicians and Surgeons, New York, New York
- 1967-1975 Research Associate, Department of Pharmacology, Columbia University, College of Physicians and Surgeons, New York, New York
- 1975-1977 Adjunct Associate Professor, Department of Pharmacology, Columbia University, College of Physicians and Surgeons, New York, New York
- 1967-1968 Instructor, Department of Surgery (Urology), Yale University School of Medicine, New Haven, Connecticut
- 1968-1971 Assistant Professor, Department of Surgery (Urology), Yale University School of Medicine, New Haven, Connecticut
- 1971-1976 Associate Professor, Department of Surgery (Urology), Yale University School of Medicine, New Haven, Connecticut (Acting Chief, Section of Urology, July 1 - December 31, 1973)
- 1975 Visiting Scholar, Department of Physiology, Vanderbilt University School of Medicine, Nashville, Tennessee
- 1967-present Attending in Urology, Yale-New Haven Hospital, New Haven, Connecticut
- 1967-present Consultant in Urology, West Haven VA Hospital, West Haven, Connecticut
- 1976-present Consultant in Urology, Waterbury Hospital, Waterbury, Connecticut
- 1979-present Consultant in Urology, Hospital of St. Raphael, New Haven, Connecticut

1981-present Consultant in Urology, Sharon Hospital, Sharon, Connecticut

1981-present Consultant in Urology, William W. Backus Hospital, Norwich, Connecticut

1983-present Consultant in Urology, Norwalk Hospital, Norwalk, Connecticut

1984-present Medical Staff, Gaylord Hospital, Wallingford, Connecticut

1977-present Adjunct Professor, Department of Pharmacology, Columbia University, College of Physicians and Surgeons, New York, New York

1976-1988 Professor, Section of Urology, Department of Surgery, Yale University School of Medicine, New Haven, Connecticut

1988-present Head, Section of Urology, Yale-New Haven Hospital

1988-present Professor and Chief, Section of Urology, Department of Surgery, Yale University School of Medicine, New Haven, Connecticut

1999-2001 Interim Chief, Department of Surgery, Yale-New Haven Hospital

1999-2001 Professor and Interim Chairman Department of Surgery, Yale University School of Medicine, New Haven, Connecticut

#### **OTHER PROFESSIONAL ACTIVITIES**

1974-present Fellow of Timothy Dwight College, Yale University, New Haven, Connecticut

1975-1982 Assistant Editor, Journal of Urology

1977-1986 Editorial Board, Investigative Urology

1977-1989 Editorial Board, Dialogues in Pediatric Urology

1981-1984 Editorial Board, American Journal of Kidney Diseases

1976, 1986 Ad Hoc Member, NIH Surgical Study Section A

1977, 1984,

1990, 2001 VA Consultant in Scientific Review System

1976-1981 Consultant Reviewer, Circulation Research

1977-1979 Consultant Reviewer, Archives of Surgery

1980-81,1988,

1990, 2001 Consultant Reviewer, American Journal of Physiology

1978 Guest Editor, Symposium on Ureter, Urology 7/78-9/78

1980 Consultant Reviewer, Gastroenterology and Obstetrics and Gynecology

1980,1983-84,

1987, 1995 Consultant, NIH Ad Hoc Review Committee, site visits

1983 Ad Hoc Member, NIH Biochemical Endocrinology Study Section

1985,1988,1993 Consultant Reviewer, Medical Research Council of Canada

1985 Editorial Board, Masters in Urology

1986 Consultant Reviewer, National Kidney Foundation

1986-1987 Member, NIH Planning and Organizing Committee for Interstitial Cystitis Conference

1987 Member, NIH Special Review Study Section for Research on Urinary Tract

1989 Consultant Reviewer, Kidney Foundation of Canada

1987-1991 Member, NIH Surgical Study Section A (Surgery, Anesthesia, and Trauma)

1991 Consultant Reviewer, Society for Experimental Biology and Medicine

1992, 1997 Consultant Reviewer, Life Sciences

1992,1994-97 Consultant Reviewer, Urology  
1993 External Reviewer of NIH O'Brien Center at the University of Virginia  
1994-'96, 1999 Consultant Reviewer, New England Journal of Medicine  
1994, 1995 Chair, NIH Site Visit, Univ. of Pennsylvania  
1995 Chair, NIH Study Section, Basic and Epidemiologic- Research Related to Disorders of the Urinary Bladder  
1996 Chair, NIH Urology Special Emphasis Panel (SEP)  
1996 Ad-hoc Reviewer for FDA  
1996 Consultant Reviewer for NIH National Advisory Council  
1998 Consultant Reviewer, Journal Cardiovascular Pharmacology  
1998 Consultant Reviewer, Kidney International  
1998 Chair, NIDDK Special Emphasis Panel, re O'Brien Urology Research Centers  
1998,1999 Chair, NIH NIDDK Teleconference Special Grant Review Meeting, March 1998.  
1999 Consultant Reviewer, Jeffress Trust  
1982-1994 Editorial Board, Neurourology and Urodynamics  
2000 Consultant Reviewer, Laboratory Investigation  
2000 Consultant Reviewer, Fertility and Sterility  
1995-present Section Editor, Neurourology and Urodynamics  
1988-1993 Consultant to the Diagnostic & Therapeutic Technology & Therapeutic Assessment (DATTA) Program of the AMA  
2001-2007 ACGME Panel for Accreditation Appeals in Urology  
1998-present Chairperson, NIDDK External Advisory Committee (EAC) for the Interstitial Cystitis Clinical Trials Group (ICCTG)  
2001 Member, NIH Bladder Research Progress Review Group  
1986-2000 Associate Editor, Investigative Urology Section, Journal of Urology  
2000-present Editorial Board, Investigative Urology Section, Journal of Urology  
1998-present Trustee, American Board of Urology

## **MILITARY SERVICE**

1962-1963 U.S. Army, Fort Belvoir, Virginia; U.S. Army Polar Research and Development Center, Camp Century, Greenland

## **QUALIFICATIONS**

1961 Diplomate, National Board of Medical Examiners  
1970 Certified, American Board of Urology  
1970 Fellow, American Academy of Pediatrics (Section of Urology)  
1971 Fellow, American College of Surgeons  
1999 Re-certified, American Board of Urology

## **MEDICAL LICENSURES**

1961 New York  
1962 California  
1967 Connecticut

## **SOCIETIES**

1. American Association of Genito-Urinary Surgeons
2. Clinical Society of Genito-Urinary Surgeons
3. American Surgical Association

4. The American Physiological Society
5. Society of General Physiologists
6. New England Surgical Association
7. Association of University Urologists
8. Society for Pediatric Urology
9. American Urological Association
10. New England Section, American Urological Association
11. Society for Urodynamics and Female Urology
12. Societe Internationale D'Urologie
13. International Society for Dynamics of the Upper Urinary Tract
14. American Association for the Advancement of Sciences
15. Canadian Urological Association
16. International Continence Society
17. Society for Basic Urologic Research
18. New England Smooth Muscle Society
19. Pusan Urological Association, Honorary Member

### **HONORS AND AWARDS**

- |      |  |
|------|--|
| 1954 | Mathematics Honors, Franklin & Marshall College  |
| 1955 | Mathematics Honors, Franklin & Marshall College  |
| 1956 | Phi Beta Kappa, Franklin & Marshall College  |
| 1957 | Magna Cum Laude, Franklin & Marshall College   |
| 1967 | Honorable Mention at Annual Prize Essay Contest, Meeting of the New York Section of the American Urological Association  |
| 1970 | Sigma Xi, Yale University  |
| 1971 | Second Prize, Exhibition on New Instruments, Procedures and Apparatus, 66 <sup>th</sup> Annual Meeting, American Urological Association. Schiff M Jr, Freedman GS, Weiss RM, and Lytton B. |
| 1976 | M.A. (Hon.), Yale University   |
| 1990 | "Lifetime Achievement Award", by the Urodynamic Society, in recognition of significant contributions and leadership in the field of Neurourology.  |
| 1991 | NIH Merit Award  |

### **SCIENTIFIC COMMITTEES**

- |           |  |
|-----------|--|
| 1974-1976 | Obstruction and Neuromuscular Diseases Committee of NIAMDD: Research Needs in Nephrology and Urology                 |
| 1976-1977 | American Urological Association Scientific Exhibit Committee   |
| 1975-1980 | American Urological Association Research Committee   |
| 1986-1991 | Advisory Panel to the United States Pharmacopeia and to the National Formulary                                       |
| 1995-2000 |  |
| 1976-1981 | American Urological Association and American Board of Urology, Committee on Education                                |
| 1980-1984 | American Urological Association, Consultant to the Continuing Education Component Committee to the Education Council |
| 1983-1985 | American Urological Association, Manpower Committee  |
| 1984-1988 | American Urological Association, Judicial Committee  |
| 1985-1986 | American Urological Association, Female Urology Committee  |
| 1986-1987 | American Urological Association, Program Committee   |
| 1990-2001 |  |
| 1987-1988 | New England Section, American Urological Association,  |

1992-1996 Program Committee  
 1991-1995 National Institutes of Health Reviewers Reserve.  
 1991-1992 American Urological Association, Prize Essay Committee.  
 1999-2003  
 1993-1995 New England Section, American Urological Association, Executive Committee  
 1994-1995 President-Elect, New England Section, American Urological Association.  
 1995-1996 Nominating Committee American Association of Genitourinary Surgeons.  
 1992-1999 Member, Edwin Beer Fund Committee, New York Academy of Medicine  
 1998 Chair, Edwin Beer Fund Committee, New York Academy of Medicine  
 1995-1996 President, New England Section, American Urological Association  
 1996-1997 Chair, Nominating Committee, New England Section, American Urological Association  
 1997-1999 Nominating Committee, New England Section, American Urological Association  
 1996-1998 Resident Essay Committee, New England Section, American Urological Association  
 1998-1999 Chair, Resident Essay Committee, New England Section, American Urological Association  
 1998- American Board of Urology Recertification Committee  
 1998- American Board of Urology Policy Committee  
 1998- American Board of Urology Part I Examination Committee  
 1998-2000 American Board of Urology Finance Committee  
 2001- American Board of Urology Oral Exam Committee  
 1999-2000 Member, Audit Committee, American Association of Genitourinary Surgeons  
 1999-2001 American Board of Urology Representative to the American Board of Medical Specialties  
 2000- Chairman, American Board of Urology, Ad-Hoc Committee to Review Urologic Specialization  
 2000-2001 Member, American Urological Society, Prize Essay Committee  
 2000-2004 Member, Committee on Female Pelvic Medicine and Reconstructive Surgery, ABOG/ABU

## **LOCAL COMMITTEES**

1976-present Member, Board of Permanent Officers, Yale University School of Medicine  
 1976-1988 Member Medical Staff Cabinet, Yale-New Haven Hospital  
 1978 Progress Committee, Class of 1978, Yale University School of Medicine  
 1983-1986 Member, Student Thesis Committee of the Department of Surgery, Yale University School of Medicine  
 1986 Member, Search Committee for Associate Dean for Clinical Affairs, Yale University School of Medicine  
 1986-1989 Dean's Appointee to the VA Medical Center Research and Development Committee, Yale University School of Medicine  
 1991 Member, Search Committee for Chairman of the Department of Surgery for the Hospital of St. Raphael  
 1986-present Executive Committee, Department of Surgery, Yale University School of Medicine  
 1986-1999 Departmental Committee, Department of Surgery, Yale University School of Medicine  
 1992-1995 Committee of Residency Program Directors, Yale-New Haven Hospital  
 1993-1995 Member, Advisory Board of the Yale Kidney Center  
 1992-1998 Member, Medical Advisory Board of the Physician Associate Program, Yale University School of Medicine  
 1992-present Ambulatory Services Council, Yale-New Haven Hospital  
 1993-present Member, Plenary Surgical Education Committee, Yale University School of Medicine

1994-1999 Member of the Department of Surgery Space Utilization Committee, Yale University School of Medicine

1994-1995 Member, Search Committee for Chairman of the Department of Radiology, Yale University School of Medicine

1994-1999 Member, Surgery Departmental Appointments and Promotions Committee

1995-1997 Member, Yale Preferred Health Credentialing Committee, Yale University School of Medicine

1995-present Graduate Medical Education (GME) Committee, Yale-New Haven Hospital

1995-1999 Member, Department of Surgery Ohse Research Committee.

1997-1999 Chair, Ambulatory Care Committee, Department of Surgery

1998-2000 Member, Clinical Advisor Program

1999-present Member, Yale Faculty Practice Board of Govenors

1999-present Member, Medical Board, Yale-New Haven Hospital

2000-present Member, Billing Compliance Leadership Group, Yale University School of Medicine

2000-present Member YNHH Peformance Improvement Leadership Group

2001-present Member, Planning Committee for the Department of Ophthalmology and Visual Sciences

## GRANT SUPPORT

### 1. URETERAL STIMULATION-DEVELOPMENT OF AN IMPLANTABLE URETERAL PACEMAKER

Yale Fluid Research Funds

1/1/68 - 1/1/69

Robert M. Weiss, P.I.

### 2. URETERAL FUNCTION - IMPLANTABLE URETERAL PACEMAKER

U.S.P.H.S. Grant RO1-AM 13543-(01-03)

Institute of Arthritis and Metabolic Diseases

5/1/69-12/31/72)

Robert M. Weiss, P.I.

### 3. AGE DEPENDENT FACTORS IN URETERAL FUNCTION

U.S.P.H.S. Grant R01-AG 00112-(01-08)

Institute of Aging

2/1/77-8/31/86

Robert M. Weiss, P.I.

### 4. AGE DEPENDENT FACTORS IN URETERAL-VESICAL FUNCTION

U.S.P.H.S. Grant RO1-DK 38311- (09-12)

Institute of Diabetes and Digestive Diseases and Kidney Diseases

9/1/86-8/31/90

Robert M. Weiss, P.I.

### 5. AGE DEPENDENT FACTORS IN URETERAL-VESICAL FUNCTION

U.S.P.H.S. Grant R37-DK 38311- (13-25)

Institute of Diabetes and Digestive Diseases and Kidney Diseases

9/1/90-6/30/03

Robert M. Weiss, P.I.

### 6. NITRIC OXIDE TRANSDUCTION MECHANISMS IN UTIs AND IC

U.S.P.H.S. Grant RO1-DK47548-(01-08)

Institute of Diabetes and Digestive Diseases and Kidney Disease

9/30/93-02/28/02

Robert M. Weiss, P.I.

### 7. Pfizer/American Urological Association Visiting Professorship Program in Urology

Robert M. Weiss, P.I.

1995-1996

### 8. BIOCHEMICAL AND FUNCTIONAL CHANGES IN DIABETIC BLADDER

U.S.P.H.S. Grant RO1-DK42530-(06-08)

Institute of Diabetes and Digestive and Kidney Diseases

4/1/96-3/31/99

Jamshid Latifpour, P.I.

## PUBLICATIONS

### SCIENTIFIC PAPERS

1. Beland GA and Weiss RM. Cutaneous vesicostomy in children. *J Urol* 94:128-131, 1965.
2. Weiss RM, Maloney PK, Jr and Beland GA. Crossed ectopia of a solitary kidney. *J Urol* 94:320-322, 1965.
3. Wagner ML, Lazzara R, Weiss RM, and Hoffman BF. Specialized conducting fibers in the interatrial band. *Circ Res XVIII*:502-518, 1966.
4. Weiss RM, Beland GA, and Lattimer JK. Transureteroureterostomy and cutaneous ureterostomy as a form of urinary diversion in children. *J Urol* 96:155-160, 1966.
5. Weiss RM, Wagner ML, and Hoffman BF. Localization of the pacemaker for peristalsis in the intact canine ureter. *Invest Urol* 5:42-48, 1967.
6. Weiss RM, Lazzara R, and Hoffman BF. Potentials measured from glycerinated cardiac muscle. *Nature* 215:1305-1307, 1967.
7. Weiss RM, Wagner ML, and Hoffman BF. Wenckebach periods of the ureter. A further note on the ubiquity of the Wenckebach phenomenon. *Invest Urol* 5:462-467, 1968.
8. Becker JA, Weiss RM, and Lattimer JK. Renal Tuberculosis. Role of nephrotomography and arteriography. *J. Urol.* 100:415-419, 1968.
9. Phillips LL, Weiss RM, and Wolf C. Fibrinolytic studies following the use of proteinase inhibitors in prostatic surgery. *Ann NY Acad Sci* 146:737-744, 1968.
10. Weiss RM, Becker JA, Davidson AJ, and Lytton B. Angiographic appearance of renal papillary-tubular adenocarcinomas. *J Urol* 102:661-665, 1969.
11. Becker JA, Weiss RM, Schiff M Jr, and Lytton B. Pelvic lipomatosis. A consideration in the diagnosis of intrapelvic neoplasms. *Arch Surg* 100:94-96, 1970.
12. Lytton B, Goffinet JA, May CJ, and Weiss RM. Experience with arterio-venous fistulae for chronic hemodialysis. *J Urol* 104:512-517, 1970.
13. Weiss RM, Bassett AL, and Hoffman BF. Effect of Ouabain on contractility of the isolated ureter. *Invest Urol* 8:161-169, 1970.
14. Libertino JA, Weiss RM, and Lytton B. Pathophysiology and surgical implications of hyperosmolar nonketotic diabetic coma. *J Urol* 104:642-645, 1970.
15. Lytton B, Weiss RM, and Berneike R. Ipsilateral ureteroureterostomy in the management of vesicoureteral reflux in duplicated upper urinary tract. *J Urol* 105:507-510, 1971.
16. Libertino JA, Newman HR, Lytton B, and Weiss RM. Staghorn calculus in the solitary kidney. *J Urol* 105:753-757, 1971.
17. Lytton B and Weiss RM. Cutaneous vesicostomy for temporary urinary diversion in infants. *J Urol* 105:888-891, 1971.

18. Weiss RM, Schiff M Jr, and Lytton B. Late obstruction after ureteroneocystostomy. *J Urol* 106:144-148, 1971.
19. Weiss RM, Bassett AL, and Hoffman BF. Dynamic length-tension curves of cat ureter. *Amer J Physiol* 222:388-393, 1971.
20. Steihm WD, Becker JA, and Weiss RM. Ureteral endometriosis. *Radiology* 102:563-564, 1972.
21. Libertino JA and Weiss RM. Ultrastructure of the human ureter. *J Urol* 108:71-76, 1972.
22. Freedman GS, Schiff M Jr, Lange RC, Brown RS, Weiss RM, Treves S, and Lytton B. Functional assessment of renal homografts by means of 99m Tc-DTPA and a gamma scintillation camera. *Invest Urol* 9:490-495, 1972.
23. Weiss RM, Holcomb W, and Bassett AL. Excitability of in vitro normal and dilated human ureteral segments. *Invest Urol* 10:131-134, 1972.
24. Kraus P, Lytton B, and Weiss RM. Radiation therapy for the local palliative treatment of prostatic cancer. *J Urol* 108:612-614, 1972.
25. Feldman RA and Weiss RM. Urinary retention secondary to mullerian duct cyst in a child. *J Urol* 108:647-648, 1972.
26. Shield DE and Weiss RM. Leiomyoma of the female urethra. *J Urol* 109:430-431, 1973.
27. McGuire EJ, Weiss RM, and Baskin AM. Neoplasms of transitional cell origin in the first twenty years of life. *Urology* 1:57-59, 1973.
28. Schiff M Jr, Weiss RM, Kraus P, and Lytton B. Acute urinary retention following renal transplantation. *Urology* 1:108-110, 1973.
29. Biancani P, Zabinski MP, and Weiss RM. Bidimensional deformation of acutely obstructed in vitro rabbit ureter. *Amer J Physiol* 225:671-674, 1973.
30. Lytton B, Weiss RM, Schiff M Jr, McGuire EJ, Scott R Jr, and Glenn JF. Results of objective evaluation of postgraduate urologic seminar. *J Urol* 110:582-584, 1973.
31. McGuire EJ and Weiss RM. Scrotal flap urethroplasty for strictures of the deep urethra in infants and children. *J Urol* 110:599-602, 1973.
32. Weiss RM and Lytton B. Vesicoureteral reflux and distal ureteral obstruction. *J Urol* 111:245-249, 1974.
33. McGuire EJ and Weiss RM. Suppression of urinary tract infections with Macrochantin. *Conn Med* 38:111-113, 1974.
34. McGuire EJ, Weiss RM, Schiff M Jr, and Lytton B. Hemorrhagic radiation cystitis: Treatment. *Urology* 3:204-208, 1974.
35. Weiss RM and Spackman TJ. Everting ectopic ureterocele. *J Urol* 111:538-540, 1974.

36. Weiss RM, Holcomb W, Weiss SA, and Bassett AL. Response of the intact canine ureter to electrical stimulation. *Invest Urol* 11:452-456, 1974.
37. Weiss RM, Zabinski MP, and Biancani P. Adrenergic control of ureteral tonus. *Invest Urol* 12:30-32, 1974.
38. Weiss RM and Schiff M Jr. Vesicoureteral reflux simulating renal mass lesions. *Urology* 4:389-391, 1974.
39. Brin EN, Schiff M Jr, and Weiss RM. Palliative urinary diversion for pelvic malignancy. *J Urol* 113:619-622, 1975.
40. McGuire EJ and Weiss RM. Secondary bladder neck obstruction in patients with urethral valves. Treatment with phenoxybenzamine. *Urology* 5:756-758, 1975.
41. Weiss RM, McGuire EJ, and Lytton B. Pressure measurements in ileal conduits. *J Urol* 114:591-595, 1975.
42. Weiss RM, Schiff M Jr, and Lytton B. Reflux and trapping. *Radiology* 118:129-131, 1976.
43. Schiff M Jr, McGuire EJ, Weiss RM, and Lytton B. Management of urinary fistulas after renal transplantation. *J Urol* 115:251-256, 1976.
44. McGuire EJ, Wagner FM, and Weiss RM. Treatment of autonomic dysreflexia with phenoxybenzamine. *J Urol* 115:53-55, 1976.
45. Shield DE, Lytton B, Weiss RM, and Schiff M Jr. Urologic complications of inflammatory bowel disease. *J Urol* 115:701-706, 1976.
46. Biancani P, Zabinski MP, and Weiss RM. Time course of ureteral changes with acute and chronic obstruction. *Amer J Physiol* 231:393-398, 1976.
47. Burke R, Weiss RM, Schiff M Jr, and Touloukian RJ. Seven-year survival of a child with rhabdomyosarcoma of the prostate. *Urology* 8:382-386, 1976.
48. Appell RA and Weiss RM. Retroperitoneal fibrosis and avascular necrosis of the femoral head. *JAMA* 236:2886, 1976.
49. Touloukian RJ and Weiss RM. The obstructed bladder syndrome in the neonate. *SG & O* 143:965-969, 1976.
50. Levy JA, Weiss RM, Dirksen ER, and Rosen MR. Possible communication between murine macrophages oriented in linear chains in tissue culture. *Exp Cell Res* 103:375-385, 1976.
51. Akimoto M, Biancani P, and Weiss RM. Comparative Pressure-length-diameter relationships of neonatal and adult rabbit ureters. *Invest Urol* 14:297-300, 1977.
52. Gillenwater JY, Wright FS, Boyarsky S, Grayhack J, Bradley W, Weiss RM, and Somylo A. Evaluation of research needs in nephrology and urology. Obstructive and neuromuscular disorders affecting the urinary system. *J Urol* 117:227-230, 1977.

53. Weiss RM, Glickman MG, and Lytton B. Venographic localization of the non-palpable undescended testis in children. *J Urol* 117:513-515, 1977.
54. Weiss RM, Vulliemoz Y, Verosky M, Rosen MR, and Triner L. Adenylate cyclase and phosphodiesterase activity in rabbit ureter. *Invest Urol* 15:15-18, 1977.
55. Glickman MG, Weiss RM, and Itzhak Y. Testicular venography for undescended testes. *Amer J Roentgen* 129:67-70, 1977.
56. Schiff M Jr, Glickman MG, Weiss RM, Ahern MJ, Touloukian RJ, Lytton B, and Andriole VT. Antibiotic treatment of renal carbuncle. *Ann Int Med* 87:305-308, 1977.
57. McGuire EJ, Wagner F, and Weiss RM. Urethral closing pressure after spinal cord injury and its relationship to autonomic dysreflexia. *Urol Int* 32:97-106, 1977.
58. Weiss RM, Bassett AL, and Hoffman BF. Adrenergic innervation of the ureter. *Invest Urol* 16:123-127, 1978.
59. Levitt SB, Kogan SJ, Engel RM, Weiss RM, Martin DC, and Ehrlich RM. The impalpable testis: A rational approach to management. *J Urol* 120:515-520, 1978.
60. Sehn JT, Hayslett JP, Sheahan DG, and Weiss RM. Hypo-osmotic encephalopathy following renal arteriogram. *Clinicopathological Conf. J Urol* 121:79-81, 1979.
61. Rosenfield AT, Taylor KJW, and Weiss RM. Ultrasound evaluation of bladder calculi. *J Urol* 121:120, 1979.
62. Lytton B, Collins JT, Weiss RM, Schiff M Jr, McGuire EJ, and Livolsi V. Results of biopsy after early stage prostatic cancer treatment by implantation of I125 seeds. *J Urol* 121:306-309, 1979.
63. Weiss RM. Clinical implications of ureteral physiology. *J Urol* 121:401-413, 1979.
64. Weiss RM, Glickman MG, and Lytton B. Clinical implications of gonadal venography in the management of the non-palpable undescended testis. *J Urol* 121:745-749, 1979.
65. Hausman M, Biancani P, and Weiss RM. Obstruction induced changes in longitudinal force-length relations of rabbit ureter. *Invest Urol* 17:223-226, 1979.
66. Hong KW, Biancani P, and Weiss RM. Effect of age on contractility of guinea pig ureter. *Invest Urol* 17:459-461, 1980.
67. Weiss RM, Puchner PJ, Habif DV Jr, and Tannenbaum M. Flank pain, abdominal mass and bleeding. *Clinicopathologic Conf Urology* 15:418-422, 1980.
68. Bagley DH, Kliger A, and Weiss RM. Anaerobic urinary infections: *Bacteroides fragilis* bacteremia from the urinary tract. *J Urol* 124:160-161, 1980.
69. Weiss RM and Glickman MG. Localization and management of non-palpable undescended testes. *Surg Clin NA* 60:1253-1263, 1980.

70. Rosen MR, Legato MJ, and Weiss RM. Developmental changes in impulse conduction in the canine heart. *Amer J Physiol* 240:H546-H554, 1981.
71. Weiss RM, Hardman JG, and Wells JN. Resistance of a separated form of canine ureteral phosphodiesterase activity to inhibition by xanthines and papaverine. *Biochem Pharmacol* 30:2371-2374, 1981.
72. McGuire EJ, Woodside JR, Borden TA, and Weiss RM. Prognostic value of urodynamic testing in myelodysplastic patients. *J Urol* 126:205-209, 1981.
73. Borden TA, McGuire EJ, Woodside JR, Allen TD, Bauer SB, Firlit CF, Gonzales ET, Kaplan WE, King LR, Klauber GT, Perlmutter AD, Thornbury JR, and Weiss RM. Urinary undiversion in patients with myelodysplasia and neurogenic bladder dysfunction. Report of a Workshop *Urology* 18:223-228, 1981.
74. Biancani P, Hausman M, and Weiss RM. Effect of obstruction on ureteral circumferential force-length relations. *Amer J Physiol* 243:F204-F210, 1982.
75. Weiss RM and Glickman MG. Venography of the undescended testis. *Urol Clin of NA* 9:387-395, 1982.
76. Weiss RM and Biancani P. A rationale for ureteral tapering. *Urology* 20:482-487, 1982.
77. Berkowitz RL, Glickman MG, Smith GJW, Siegel NJ, Weiss RM, Mahoney MJ, and Hobbins JC. Fetal urinary tract obstruction--What is the role of surgical intervention in utero? *Amer J Obstet Gynec* 144:367-375, 1982.
78. Weiss RM and Biancani P. Characteristics of normal and refluxing ureterovesical junctions. *J Urol* 129:858-861, 1983.
79. Rosen MR, Danilo P Jr, and Weiss RM. The actions of adenosine on normal and abnormal impulse initiation in canine ventricle. *Amer J Physiol* 244:H715-H721, 1983.
80. Biancani P, Onyski JH, Zabinski MP, and Weiss RM. Force-velocity relationships of guinea pig ureter. *J Urol* 131:988-991, 1984.
81. Horgan JG, Rosenfield NS, Weiss RM, and Rosenfield AT. Is renal ultrasound a reliable indicator of a non-obstructed duplication anomaly? *Pediatr Radiol* 14:388-391, 1984.
82. Rosen MR, Weiss RM, and Danilo P Jr. Effects of alpha-adrenergic agonists and blockers on Purkinje fiber automaticity in the dog. *J Pharm Exp Therap* 231:566-571, 1984.
83. Hong KW, Biancani P, and Weiss RM. "On" and "off" responses of guinea pig ureter. *Amer J Physiol*. 248:C165-C169, 1985.
84. Morita T, Miyagawa I., Wheeler MA, and Weiss RM. Effect of isoproterenol on contractile force of isolated rabbit renal pelvic smooth muscle. *Tohoku J Exp Med* 147:153-155, 1985.
85. Jacobson SA, Blute RD Jr, Green DF, McPhedran P, Weiss RM, and Lytton B. Acute adrenal insufficiency as a post-operative complication of urologic surgery. *J Urol* 135:337-340, 1986.

86. Morita T, Weiss RM, Suzuki T, Kondo S, and Tsuchida S. Effect of dibutyryl cyclic adenosine monophosphate on canine pelviureteral discharge potentials. *Urol Int* 41:117-120, 1986.
87. Weiss RM, Carter AR, and Rosenfield AT. High resolution real-time ultrasonography in the localization of the undescended testis. *J Urol* 135:936-938, 1986.
88. Morita T, Wheeler MA, and Weiss RM. Relaxant effects of forskolin in rabbit detrusor smooth muscle. Role of cyclic AMP. *J Urol* 135:1293-1295, 1986.
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### **PRESENTATIONS**

Robert M. Weiss, M.D.

1. Presentation at the Spring Meeting of the New York Section of the American Urological Association, April 1964: "Effects of Chlorambucil on the Production of Genitourinary Malformation in Rats."
2. Presentation at the Spring Meeting of the New York Section of the American Urological Association, April 1965: "Transureteroureterostomy and Cutaneous Ureterostomy as a Form of Urinary Diversion in Children."
3. Presentation at the Spring Meeting of the New York Section of the American Urological Association, March 1966: "Localization of the Pacemaker for Peristalsis in the Intact Canine Ureter." Robert M. Weiss, Michael L. Wagner, and Brian F. Hoffman.
4. Presentation and Movie at the 61st Annual Meeting of the American Urological Association, Chicago, Illinois, May 1966: "Transureteroureterostomy and Cutaneous Ureterostomy as a Form of Urinary Diversion in Children." Robert M. Weiss and John K. Lattimer.
5. Presentation at the Conference on Chemistry, Pharmacology and Clinical Applications of Proteinase Inhibitors, New York Academy of Sciences, September 13, 1966: "Fibrolylin Studies

Following Use of Proteinase Inhibitors in Prostatic Surgery." LL Phillips, RM Weiss, and C Wolf.

6. Presentation at the Spring Meeting of the New York Section of the American Urological Association, March 1967: "Wenkebach Periods of the Ureter." Robert M. Weiss, Michael L Wagner, and Brian F. Hoffman.
7. Presentation at the 5th Annual Meeting of the Society of University Urology Residents, Charleston, South Carolina, May 1967: "Factors in the Origin and Propagation of the Ureteral Impulse."
8. Presentation at the Fall Meeting of the New England Section of the American Urological Association, October 1968: "Role of Nephrotomography and Arteriography in the Diagnosis of Renal Papillary-Tubular Adenocarcinoma." Robert M. Weiss, Joshua A. Becker, Alan J. Davidson, and Bernard Lytton.
9. Presentation at the 64th Annual Meeting of the American Urological Association, San Francisco, California, May 1969: "Angiographic Appearance of Renal Papillary-Tubular Adenocarcinomas." Robert M. Weiss, Joshua A. Becker, Alan J. Davidson, and Bernard Lytton.
10. Presentation at Workshop on Hydrodynamics of the Ureter, National Academy of Sciences, National Research Council, Chicago, Illinois, October 1969: "Organization of Ureteral Function with Reference to a Pacemaker."
11. Presentation at the 65th Annual Meeting of the American Urological Association, Philadelphia, Pennsylvania, May 1970: "Ipsilateral Ureteroureterostomy in the Management of Vesicoureteral Reflux in Duplication of Upper Urinary Tract."
12. Presentation at the 32nd Annual Meeting of the Society of University Surgeons, New Haven, Connecticut, February 1971: "Length-Tension Curve of Ureteral Muscle." Robert M. Weiss and Arthur L. Bassett.
13. Presentation at the 55th Annual Meeting of the Federation of American Societies for Experimental Biology, Chicago, Illinois, April 1971: "Mechanical Properties of Cat Ureter." Robert M. Weiss and Arthur L. Bassett.
14. Presentation at the Fall Meeting of the New England Section of the American Urological Association, October 1971: "Ultrastructure of the Human Ureter." John Libertino and Robert M. Weiss.
15. Presentation at the 67th Annual Meeting of the American Urological Association, Washington, D.C., May 1972: "Pressure-Length-Diameter Relationships of Rabbit Ureter." Piero Biancani, Robert M. Weiss, and Michael Zabinski.
16. Presentation at the Fall Meeting of the American Physiological Society, State College, Pennsylvania, August 1972: "Effects of Extracellular Potassium Concentration and Catecholamines on Resting Membrane Potential of Murine Neuroblastoma Cells." Robert M. Weiss, Michael R. Rosen, Daniel M. Albert, and Brian F. Hoffman.
17. Presentation at the Annual Meeting of the American Academy of Pediatrics, New York, New York, October 1972: "Ureteral Hydrodynamics."

18. Presentation at the 1972 Post-Graduate Seminar of the American Urological Association, New Haven, Connecticut, November 1972: "Ureteral Duplication: Problems and Solutions."
19. Presentation at the 57th Annual Meeting of the Federation of American Societies for Experimental Biology, Atlantic City, New Jersey, April 1973: "Electrical Stimulation of the In Vivo Canine Ureter."
20. Presentation at the 68th Annual Meeting of the American Urological Association, New York, New York, May 1973: "Vesicoureteral Reflux and Distal Ureteral Obstruction."
21. Presentation at the 68th Annual Meeting of the American Urological Association, New York, New York, May 1973: "Effects of Catecholamine Depletion on the Pressure-Length-Diameter Relationships of the Acutely Obstructed In Vivo Rabbit Ureter." Piero Biancani, Michael Zabinski, and Robert M. Weiss.
22. Presentation at the Fall Meeting of the New England Section of the American Urological Association, October 1973: "Scrotal Flap Urethroplasty for Strictures of the Deep Urethra in Infants and Children." Edward J. McGuire and Robert M. Weiss.
23. Presentation at the 58th Annual Meeting of the Federation of American Societies for Experimental Biology, Atlantic City, New Jersey, April 1974: "Deformation of Obstructed Rabbit Ureter." Piero Biancani, Michael Zabinski, and Robert M. Weiss.
24. Moderator of Panel on Pediatric Urology at the Fall Meeting of the New England Section of the American Urological Association, Bermuda, October 1974.
25. Presentation at the Annual Meeting of the American Academy of Pediatrics, San Francisco, California, October 1974: "Pressure Dynamics in Ileal Conduits."
26. Invited presentation, University of California at Los Angeles, "Ureteral Physiology." October 1974.
27. Presentation at the 70th Annual Meeting of the American Urological Association, Miami Beach, Florida, May 1975: "Concepts of Renal Pelvic and Ureteral Pacemaker Activity."
28. Preoperative Localization of Non-palpable Undescended Testis. International Pediatric Urological Seminar, Philadelphia, April 1976.
29. Adenylate Cyclase and Phosphodiesterase Activity in Rabbit Ureter. 71st Annual Meeting of the American Urological Association, Las Vegas, Nevada, May 1976.
30. Presentation at the Annual Meeting of the American Academy of Pediatrics, Chicago, Illinois, October 1976: "Treatment of Renal Carbuncles with Antibiotics."
31. Presentation at the 72nd Annual Meeting of the American Urological Association, Chicago, Illinois, April 1977: "The Ureter -- Electrical, Mechanical, Histological, Biochemical and Clinical."
32. Presentation at the 72nd Annual Meeting of the American Urological Association, Chicago, Illinois, April 1977: "Mechanical Changes with Ureteral Obstruction." Piero Biancani and Robert M. Weiss.

33. Presentation at the 72nd Annual Meeting of the American Urological Association, Chicago, Illinois, April 1977: "Effect of Obstruction on the Length-Tension Relationship of Ureteral Smooth Muscle." Michael Hausman, Piero Biancani, and Robert M. Weiss.
34. Visiting Professor, Tufts New England Medical Center, May 1977. Guest Speaker at Pediatric Urology Conference: "Recent Advances in Advancing the Undescended Testis." Boston, Massachusetts.
35. Guest Speaker at 110th Annual Session of the Texas Medical Association, Houston, Texas, May 1977.
  - a. Clinical Implications of Bladder and Ureteral Physiology
  - b. Diagnosis and Management of Avascular Renal Masses
  - c. Abdominal Masses in Children
36. Presentation at the American Urological Association Regional Subject Oriented Seminar on Recent Diagnostic Approaches to Kidney Disease: "Embryologic Basis of Renal Anomalies." New Haven, Connecticut, September 1977.
37. Presentation at the North Central Section Post-Graduate Seminar of the American Urological Association, Chicago, Illinois, December 1977: "Physiology and Pharmacology of the Ureter and Bladder."
38. Presentation at U.S.-Japan Seminar on Controls of Contractions in Visceral Smooth Muscle: Mechanisms and Clinical Implications. Honolulu, Hawaii, December 1977: "Effects of Obstruction and Age on the Mechanical Properties of the Ureter."
39. Presentation at the American Association of Genito-Urinary Surgeons Meeting, Key Largo, Florida, February 1978: "Clinical Implications of Gonadal Venography in the Management of the Undescended Testis."
40. Presentation at the 73rd Annual Meeting of the American Urological Association, Washington, D.C., May 1978: "Clinical Implications of Gonadal Venography in the Management of the Non-palpable Undescended Testis."
41. Presentation at the 73rd Annual Meeting of the American Urological Association, Washington, D.C., May 1978: "Age-Dependent Changes in Ureteral Contractility."
42. Guest Speaker at the Italian Urodynamics Society Meeting, Fuiggi Terme, Italy, June 1978: "The Mechanism of Ureteral Function."
43. Presentation at the 63rd Annual Meeting of the Federation of American Societies for Experimental Biology, Dallas, Texas, April 1979. "Ureteral Phosphodiesterase (PD) Activity: Resistance of a Separated Form to Inhibition by Xanthines and Papaverine."
44. Moderator of Panel on Upper Urinary Tract Abnormalities at the 74th Annual Meeting of the American Urological Association, New York, New York, May 1979.
45. Course on Obstruction on Upper Urinary Tract at the 74th Annual Meeting of the American Urological Association, New York, New York, May 1979.
46. Discussant of Papers on Ureter at the 74th Meeting of the American Urological Association, New York, New York, May 1979.

47. Member of Panel on Pediatric Urology at the Fall Meeting of the New England Section of the American Urological Association, Dixville Notch, New Hampshire, September 1979.
48. Presentation at the 1979 Meeting of International Society for Dynamics of the Upper Urinary Tract, Antwerp, Belgium, October 1979: "Ureteral Phosphodiesterase Activity."
49. Presentation at the 1979 Meeting of the International Society of Dynamics of the Upper Urinary Tract, Antwerp, Belgium, October 1979: "Effects of Obstruction of the Ureter."
50. Presentation at the 1979 New England Section Post-Graduate Seminar of the American Urological Association, Boston, Massachusetts, November 1979: "Genitourinary Embryology."
51. Presentation at the 1979 New England Section, Post-Graduate Seminar of the American Urological Association, Boston, Massachusetts, November 1979: "Undescended Testes and Testicular Torsion."
52. Presentation at the American Association of Genitourinary Surgeons Meeting, Lexington, Kentucky, April 1980: "A Rationale for Ureteral Tapering."
53. Presentation at the 75th Annual Meeting of the American Urological Association, San Francisco, California, May 1980: "A Rationale for Ureteral Tapering."
54. Presentation at the 75th Annual Meeting of the American Urological Association, San Francisco, California, May 1980: "Ureteral Phosphodiesterase Activity."
55. Discussant of Papers on Ureter at the 75th Annual Meeting of the American Urological Association, San Francisco, California, May 1980.
56. Guest Lecturer, Beth Israel Medical Center, New York, New York, September 1980. "Ureteral Function."
57. Member of Panel on Pediatric Urology at Fall Meeting of New England Section of American Urological Association, Whitefield, New Hampshire, September 1980.
58. Presentation of International Continence Society Meeting. Los Angeles, California, October 1980: "Clinical Implications of Ureteral Physiology."
59. Presentation at the American Association of Genitourinary Surgeons Meeting, Phoenix, Arizona, February 1981: "Characteristics of Normal and Refluxing Ureterovesical Junctions."
60. Presentation at the 76th Annual Meeting of the American Urological Association, Boston, Massachusetts, May 1981: Characteristics of Normal and Refluxing Ureterovesical Junctions."
61. Course on Side Effects of Drugs at 76th Annual Meeting of the American Urological Association, Boston, Massachusetts, May 1981.
62. Presentation at 1981 Meeting of International Society for Dynamics of The Upper Urinary Tract, Aarhus, Denmark, "Characteristics of Normal and Refluxing Ureterovesical Junctions, September 1981.

63. Presentation at the 1981 Meeting of International Society of Dynamics of Upper Urinary Tract, Aarhus, Denmark, "Developmental Changes in Force-Length and Force-Velocity Relations of Guinea Pig Ureter." September 1981.
64. Guest Speaker at the Congresso Nazionale Della Societa Italiana di Urodinamica, Trieste, Italy, November 1981.
65. Visiting Professor at the University of Padova, Padova, Italy, November 1981.
66. Presentation at the 66th Annual Meeting of the Federation of American Societies for Experimental Biology, New Orleans, Louisiana, April 1982. "Effect of Obstruction on Ureteral Circumferential Force-Length Relations.
67. Course on Side Effects of Drugs at 77th Annual Meeting of the American Urological Association, Kansas City, Missouri, May 1982.
68. Presentation at 77th Annual Meeting of the American Urological Association, Kansas City, Missouri, May 1982: "Pathophysiology of Obstruction."
69. Presentation at the 1982 New England Section, Post-Graduate Seminar of the American Urological Association, Boston, Massachusetts, September 1982: "Embryologic Basis of Obstructive Uropathy."
70. Presentation at the 1982 New England Section, Post-Graduate Seminar of the American Urological Association, Boston, Massachusetts, September 1982: "Cryptorchidism."
71. Discussant of Papers on Pediatric Urology at Fall Meeting of New England Section of American Urological Association, Quebec, Canada, October 1982.
72. Visiting Professor, Long Island Jewish-Hillside Medical Center, New York, New York, November 1982.
73. Guest Speaker, Chicago Urological Society. "Pharmacologic Agents and the Upper Urinary Tract" and "Pharmacologic Effects on Voiding." Chicago, Illinois, March 1983.
74. Presentation at the 78th Annual Meeting of the American Urological Association, Las Vegas, Nevada, April 1983: "High Resolution Real-time Ultrasonography in the Localization of Undescended Testes."
75. Moderator, Research Forum-Urodynamics at the 78th Annual Meeting of the American Urological Association, April 1983.
76. Guest Speaker at Dept. of Physiology/Biophysics, Mt. Sinai Medical School, May 1983. "Effects of Obstruction on the Mechanical Properties of the Ureter."
77. Visiting Scallon Professor, Norwalk Hospital, Norwalk, Connecticut, August 1984.
78. Presentation at the 1984 Meeting of the International Society for Dynamics of the Upper Urinary Tract, IGLS, Austria, September 1984. "Relaxation of Ureteral Smooth Muscle by both Adenyl and Guanyl Nucleotides."

79. Presentation at the American Association of Genitourinary Surgeons Meeting, San Diego, California, March 1985. "Implications of Laparoscopy in the Management of the Nonpalpable Testis."
80. Special Guest Lecturer, 73rd Congress of Japanese Urological Association, Tokyo, Japan, April 1985. "Effect of Obstruction on Ureter: Experimental and Clinical Aspects."
81. Visiting Professor, Akita University School of Medicine, Akita, Japan, April 1985.
82. Guest Lecturer, Department of Pediatrics, Keio University, Tokyo, Japan, April 1985, "Undescended Testes."
83. Visiting Professor, Hunan Medical College, Changsha, Hunan, Peoples Republic of China, April 1985.
84. Visiting Professor, Department of Biochemistry, Kyung Hee University, Seoul, Korea, May 1985. "Effect of Obstruction on Ureter."
85. Guest Lecturer, Department of Biochemistry, Chun-Buk Medical School, Chun-Ju, Korea, May 1985. "Role of Cyclic Nucleotides in Ureteral Function."
86. Guest Lecturer, Pusan Medical Association, Pusan, Korea, May 1985. "Undescended Testes. Preoperative Localization of the Non-palpable Testis."
87. Visiting Professor, Departments of Urology and Pharmacology, Busan National University, College of Medicine, Pusan, Korea, May 1985.
88. Presentation at the Fall Meeting of the New England and Northeastern Sections of the American Urological Association, October 1985. "Clinical Implications of Laparoscopy in the Management of Non-palpable Undescended Testes." Robert M. Weiss and John H. Seashore.
89. Moderator, Session on Ureteral and Renal Physiology, 81st Annual Meeting of the American Urological Association, May 1986.
90. Presentation at the Combined Meeting of the British Association of Urological Surgeons and the Canadian Urological Association, London, U.K., June 1986. "Laparoscopy in the Management of Non-palpable Undescended Testes."
91. Poster presentation at the Smooth Muscle Function Symposium. "Cyclic AMP Mediation of Both Contractile and Relaxant Responses in Rabbit Renal Pelvic Smooth Muscle" Banff, Alberta, Canada, July 1986.
92. Presentation at the 1986 Meeting of the International Society for Dynamics of Upper Urinary Tract, Newport, Rhode Island, September 1986. "Contractile and Relaxant Responses in Rabbit Renal Pelvic Smooth Muscle to Beta Adrenergic Agonists and Dibutyryl Cyclic AMP."
93. Congress Chairman, 6th Meeting of International Society for Dynamics of the Upper Urinary Tract (ISDU), Newport, Rhode Island, September 1986.
94. Pediatric Urologic Lecturer, New York Medical College, Westchester County Medical Center, "The Diagnostic Dilemma of Obstructive Uropathy in Childhood." New York, New York, Jan. 1987.

95. Visiting Professor, Division of Urology, University of Toronto, Toronto, Canada. March 1987.
96. Moderator, Session on Bladder Pharmacology and Physiology, Research. 82nd Annual Meeting of the American Urological Association. Anaheim, California, May 1987.
97. Presentation of Highlights of Bladder Pharmacology and Physiology Research Session. 82<sup>nd</sup> Annual Meeting of American Urological Association. Anaheim, California, May 1987.
98. Invited Presentation. State-of-the-Art Lecture. Neuropharmacology of the Urinary Tract. 82<sup>nd</sup> Annual Meeting of American Urological Association. Anaheim, California, May 1987.
99. Presentation at the 82nd Annual Meeting of American Urological Association, Anaheim, California, May 1987: "Upper Urinary Tract Functional Evaluation. Statement of Problem."
100. Moderator, Session on Ureter. 82nd Annual Meeting of American Urological Association. Anaheim, California, May 1987.
101. Guest Speaker, Norwalk Surgical Society, Stratton Mt., Vermont, September 1987.
102. Presentation at the 56th Annual Meeting of the American Academy of Pediatrics, New Orleans, Louisiana, October 1987: "Immaturity of the Vas Deferens and Epididymis in Cryptorchidism."
103. Presentation at the 102nd Meeting of the American Association of Genitourinary Surgeons, Sea Island, Georgia, April 1988: "Biochemical and Functional Properties of Rat Bladder Muscarinic Receptors in STZ-Induced Diabetic Rats."
104. Moderator, Session on Voiding dysfunction and incontinence. 83rd Annual Meeting of the American Urological Association, Boston, Massachusetts, June 1988.
105. Moderator, Session on Pediatric Urology. 43rd Annual Meeting of the Canadian Urological Association, Halifax, Nova Scotia, June 1988.
106. Presentation at the 43rd Annual Meeting of the Canadian Urological Association, Halifax, Nova Scotia, June 1988: "Histologic Immaturity of the Vas Deferens and Epididymis in Cryptorchidism."
107. Presentation at the 7th Meeting of the International Society for Dynamics of the Upper Urinary Tract (ISDU), Marlow, Bucks, England, August 1988: "Insulin Stimulation of Ureteral Smooth Muscle of Cyclic-AMP Phosphodiesterase Activity."
108. Invited participant. NIH workshop on "Urological Disorders of Diabetes Mellitus," Bethesda, Maryland, April 1989.
109. Presentation at Emil Bozler International Symposium on Frontiers in Smooth Muscle Research, Columbus, Ohio, May 1989: "Effect of Aging on Lipid Composition, and Hormone- and Ethanol- Activated Adenylate Cyclase Activity in Rat Bladder Dome Homogenates."
110. Guest Speaker, Department of Urology, New York University School of Medicine, May 1989. "Evaluation of Upper Urinary Tract Dilatation."

111. Invited Speaker: Spring Meeting of the New England Section of the American Urological Association, Burlington, Massachusetts, March 23, 1990. "Diagnostic Dilemmas in Urinary Tract Obstruction."
112. Presentation at the 103rd Meeting of the American Association of Genitourinary Surgeons, Pebble Beach, California, April 1990: "The Significance of Ultrasonographic Demonstration of Peristalsis."
113. Judge of the Philadelphia Urologic Resident's Night Competition, Philadelphia, Pennsylvania, April 1990.
114. Guest Lecturer, Department of Urology, Long Island Jewish Medical Center, May 1990. "Evaluation of Ureteral Obstruction."
115. Moderator, Session on Ureter. 85th Annual Meeting of the American Urological Association, New Orleans, Louisiana, May 1990.
116. Moderator, Session on Pediatric Urology. 45th Annual Meeting of the Canadian Urological Association, Vancouver, BC, Canada, June 1990.
117. Presentation at the 45th Annual Meeting of the Canadian Urological Association, Vancouver, BC, Canada, June 1990: "The Significance of Demonstration of Peristalsis in the Ultrasonographic Evaluation of Ureteral Dilatation in Children."
118. Moderator, Session on Biochemistry and Pharmacology. 8th Annual Meeting of International Society for Dynamics of the Upper Urinary Tract (ISDU), Hasselby SLOTT, Stockholm, Sweden, September 1990.
119. Presentation at the 8th Meeting of the International Society for the Dynamics of the Upper Urinary Tract (ISDU). Hasselby SLOTT, Stockholm, Sweden, September 1990: "Ultrasonographic evaluation of ureterectasis in children: The significance of peristalsis."
120. Moderator, Session on Pediatric Urology. Fall Meeting of the New England Section of the American Urological Association, London, England, October 1990.
121. Member of Pediatric Urology Panel at the Fall Meeting of the New England Section of the American Urological Association, London, England, October 1990.
122. Chief Judge at the 1991 F.C. Valentine Resident's Essay Meeting of the New York Section of the American Urological Association, New York, New York, April 1991.
123. Moderator, Session on Bladder and Ureteral Physiology and Pharmacology. 86th Annual Meeting of the American Urological Association, Toronto, Ontario, Canada, June 1991.
124. Presentation at FASEB Summer Research Conference on "Smooth Muscle." Copper Mountain, Colorado, July 1991: "NG-nitro-L-Arginine Inhibits Non-adrenergic, Non-cholinergic (NANC) Relaxation in Rabbit Urethral Smooth Muscle."
125. Guest Lecturer, Department of Urology, Tokyo Medical and Dental University, Tokyo, Japan, August 1991.
126. Guest Lecturer, Department of Urology, Tottori University, Yonago, Japan, August 1991.

127. Invited Guest Lecturer at the 33rd Annual Meeting of the Japan Society for Smooth Muscle Research, Akita, Japan, August 1991. "Effect of Aging on Signal Transduction in Urinary Tract Smooth Muscle."
128. Invited Guest Speaker at the 43rd Annual Meeting of the Northeastern Section of the American Urological Association, Williamsburg, Virginia, September 1991. "Urinary Tract Obstruction - Evaluation," and "Non-palpable Testis - Where is it?"
129. Presentation at the Fall Meeting of the New England Section of the American Urological Association, Dixville Notch, New Hampshire, October 1991: "Ultrasonographic Pulsed Doppler Determination of Renal Artery Resistive Index Ratios in the Diagnosis of Unilateral Upper Urinary Tract Obstruction in Children."
130. Invited Guest Speaker, Korean Biochemical Society, Seoul, Korea, October 25, 1991. "Signal Transduction in Urinary Tract Smooth Muscle."
131. Presentation at the 106th Meeting of the American Association of Genitourinary Surgeons, Hot Springs, Virginia, April 1992: "Renal Artery Resistive Index in the Diagnosis of Unilateral Upper Urinary Tract Obstruction in Children."
132. Member, Panel on Objective Delineation of Acupuncture Points for Acute Ureteral Colic at the 87th Annual Meeting of the American Urological Association, Washington, D.C., May 1992.
133. Moderator, Session on Ureteral Reflux. 87th Annual Meeting of the American Urological Association, Washington, D.C., May 1992.
134. Guest Lecturer, Department of Urology, Nippon Medical School, Tokyo, Japan, August 1992. "The Evaluation of the Dilated Upper Urinary Tract."
135. Presentation at the 9th Meeting of the International Society for Dynamics of the Upper Urinary Tract, Akita, Japan, August 1992: "Pulsed Doppler Determination of Renal Artery Resistive Index Ratios in the Diagnosis of Unilateral Upper Urinary Tract Obstruction in Children."
136. Presentation at the 9th Meeting of the International Society for Dynamics of the Upper Urinary Tract, Akita, Japan, August 1992: "Ontogeny of Voltage-Dependent Calcium Channels in Ureteral Smooth Muscle."
137. Guest Lecturer, Department of Urology, Kitasato University School of Medicine, Kanagawa, Japan, August 1992.
138. Guest Lecturer, Department of Urology, Tottori University, Yonago, Japan, August 1992.
139. Visiting Professor, Tokushima University, Tokushima, Japan, August 1992.
140. Moderator, Session on Pediatric Urology. Fall Meeting of the New England Section of the American Urological Association, Toronto, Ontario, Canada, September 1992.
141. Presentation at the 61st Annual Meeting of the American Academy of Pediatrics, San Francisco, CA, October 1992: "Comparison of Diuretic Doppler Sonography with Diuretic Renography in Children with Hydronephrosis."

142. Invited Speaker at Cornell University School of Medicine Urology Grand Rounds, New York, New York, January 21, 1993. 143. Invited Guest Speaker. 3rd Annual Rendez-vous in Pediatric Urology. The Montreal Children's and Sainte-Justine Hospitals. Montreal, Quebec, Canada. February 1993. "Doppler Ultrasonography - Refinements in the Diagnosis of Obstruction."
144. Visiting Professor, University of Arizona, April 18-20, 1993.
145. Moderator, Session on "Ureter." 88th Annual Meeting of the American Urological Association, San Antonio, Texas, May 1993.
146. Surgery Grand Rounds, Alumni Weekend. "Upper Urinary Tract Dilatation." June 5, 1993.
147. Presentation at the 48th Annual Meeting of the Canadian Urological Association, Montreal, Quebec, Canada, June 1993: "Diuretic Pulsed Doppler Sonography in the Diagnosis of Upper Urinary Tract Obstruction in Children."
148. Moderator, Session on Pediatric Urology. 48th Annual Meeting of the Canadian Urological Association, Montreal, Quebec, Canada, June 1993.
149. Visiting Professor, Brown University School of Medicine, December 3-4 1993. "The Evaluation of the Non-palpable Testis;" "Pharmacologic Management of Lower Urinary Tract Dysfunction Including Enuresis;" "The Diagnosis of Upper Urinary Tract obstruction."
150. Visiting Professor, University of Arkansas. "Pharmacologic Management of Lower Urinary Tract Obstruction." April 8, 1994.
151. Invited Guest Speaker, Arkansas Urologic Society. "The Diagnosis of Upper Urinary Tract Obstruction," April 9, 1994.
152. Visiting Professor, Maimonides Medical Center, Brooklyn, New York, April 22, 1994.
153. Presentation at the 108th Meeting of the American Association of Genitourinary Surgeons, Boca Raton, Florida, April 28-May 1, 1994: "Nitric Oxide: An Endogenous Source of Urinary Nitrite in Infected Urine."
154. Moderator, Session on "Ureter." 89th Annual Meeting of the American Urological Association, San Francisco, California, May 1994.
155. Presentation at the 49th Annual Meeting of the Canadian Urological Association, Jasper, Alberta, Canada, June 1994: "Clinical Implications of Laparoscopy in the Management of the Non-Palpable Testis."
156. Moderator, Session on "Pediatric Urology." 49th Annual Meeting of the Canadian Urological Association, Jasper, Alberta, Canada, June 1994.
157. Presentation at the 24th Annual Meeting of the International Continence Society (ICS), Prague, Czech Republic, August 1994: "Nitric Oxide Synthase (NOS) Activity in Urethra, Bladder and Bladder Smooth Muscle Cells."
158. Presentation at the 10th Meeting of the International Society for Dynamics of the Upper Urinary Tract, Padova, Italy, September 1994: "Vesicoureteral Reflux." 159. Presentation at the 10th

- Meeting of the International Society for Dynamics of the Upper Urinary Tract, Padova, Italy, September 1994: "Doppler Ultrasound in the Diagnosis of Upper Urinary Tract Obstruction."
160. Moderator, Session on "Pediatrics and Impotence." 63rd Annual Meeting of the New England Section of the American Urological Association, Southampton, Bermuda, September 1994.
  161. Faculty, American Urological Association Sponsored Peer Review Seminar, Houston, Texas, January 1995.
  162. Presentations at the First Gordon Research Research Conference on Nitric Oxide in Biochemistry and Biology, "Effect of Urinary Tract Infection and Interstitial Cystitis on Urinary Cyclic GMP Levels"; "Oral L-arginine Decreases Interstitial Cystitis Symptoms While Increasing Urinary Nitric Oxide Synthase Activity"; "Effect of a Series of Nitric Oxide Synthase (NOS) Inhibitors on NOS activity in Leukocytes Enriched from Urine," Ventura, California, January-February 1995.
  163. Presentation at the 109th Meeting of the American Association of Genitourinary Surgeons, Santa Fe, New Mexico, April 1995: "Preliminary Results Indicate that Oral L-Arginine Decreases Interstitial Cystitis (IC) Symptoms While Increasing Urinary Nitric Oxide Synthase Activity."
  164. Moderator, Session on "Ureter and Vesicoureteral Reflux." 90th Annual Meeting of the American Urological Association, Las Vegas, Nevada, April, 1995.
  165. Visiting Professor, Alfred I. DuPont Institute of the Nemours Foundation - Children's Hospital, Wilmington, Delaware. May 1995.
  166. David M. Davis/Pfizer Visiting Professor, Thomas Jefferson University School of Medicine, Philadelphia, PA. May 1995.
  167. Visiting Professor, Medical College of Wisconsin, Milwaukee, Wisconsin. May 1995.
  168. Moderator, Session on "Pediatrics." 64th Annual Meeting of the New England Section of the American Urological Association, Newport, Rhode Island, September 1995.
  169. Presentation at the 64th Annual Meeting of the New England Section of the American Urological Association, Newport, Rhode Island, September 1995: "The Ultrasonographic Differentiation of Obstructive vs. Non-obstructive Hydronephrosis in Children: A Multivariate Analysis."
  170. Invited Speaker, 1st International Bladder Symposium, Boston, MA, March 1996. "Role of Nitric Oxide in Urinary Tract Infections and Interstitial Cystitis."
  171. Presentation at the 110th Meeting of the American Association of Genitourinary Surgeons, Sea Island, Georgia, April 1996. "Urinary Nitric Oxide Synthase (NOS) Activity is Increased with Early Renal Transplant Rejection."
  172. Moderator, session on "Ureteral Pathology and Physiology." 91st Annual Meeting of the American Urological Association, Orlando, FL, May 1996.
  173. External reviewer, Department of Urology, Dalhousie University, Halifax, Nova Scotia, June 1996.
  174. Chair Urology Special Emphasis Panel (SEP), Chevy Chase, MD, July 1996.

175. Moderator, American Academy of Pediatrics Meeting, Boston, MA, October 1996.
176. Chair Urology Special Emphasis Panel (SEP), Chevy Chase, MD, November 1996.
177. Member, Harvard Ad-Hoc Faculty Review Committee, Boston, MA, December 1996.
178. Member, NIH Advisory Panel on "Future Directions in Clinical Research in Interstitial Cystitis", March 1997.
179. Moderator, session on "Urethral and bladder research." 92nd Annual Meeting of the American Urological Association, New Orleans, LA, April 1997.
180. Examiner, American Board of Urology, Dallas, TX, February 1998.
181. Chair, NIH NIDDK Teleconference Special Grant Review Meeting, March 1998.
182. Chair, NIH NIDDK Special Emphasis Panel, Review O'Brien Urology Research Centers, Chevy Chase, MD, April 1998.
183. Invited Speaker, International Bladder Symposium, San Francisco, CA, April 1998. "Induction of Nitric Oxide Synthase with Urinary Tract Infections."
184. External reviewer, Department of Urology, St. Luke's-Roosevelt Hospital Center, November 1998.
185. Examiner, American Board of Urology, Dallas, TX, February 1999.
186. Chair, NIH NIDDK Teleconference Special Grant Review Meeting, March 1999.
187. Moderator, session on "Adrenal, Kidney, Ureter Physiology and Pharmacology.: 94th Annual Meeting of the American Urological Association, Dallas, TX. May 1999.
188. Organizer, 78th Annual Meeting of the Linical Society of Genitourinary Surgeons, New Haven, CT. October 1999.
189. Moderator, International Bladder Symposium, Washington, DC, November 1999.
190. Member, Harvard Ad-Hoc Faculty Review Committee, November 1999.
191. Examiner, American Board of Urology, Dallas, TX, February 2000.
192. External reviewer, Department of Urology, University of Virginia, Charlottesville, VA, September 2000.
193. Moderator, session on "Pediatric Urology", 69th Annual Meeting of the New England Section of the American Urological Association, Quebec City, Quebec, Canada, September 2000.
194. Visiting Professor, Eastern Virginia Medical School, Norfolk, VA, September 2000.
195. Examiner, American Board of Urology, Dallas, TX, February 2001.

196. Presentation at the meeting of the Royal College of Surgeons of England, New Haven, CT March, 2001. "Is Urology Just Water Under the Bridge?"
197. Presentation at the 1105th Meeting of the American Association of Genitourinary Surgeons, San Francisco, CA, April 2001. "Detection of Survivin in the Urine as a Marker for Bladder Cancer."
198. Visiting Professor, Long Island Jewish Hospital, New York, NY, June 2001.