

CURRICULUM VITAE

ANDREW PAUL EVAN

Personal:

Date of Birth: September 12, 1945
Place of Birth: Chippewa Falls, Wisconsin
Marital Status: Married, February 4, 1967 (Bonnie Jean Ihrig)
Children: Jennifer, Ingrid, Andrew, Benjamin

Education:

1963-1967 Bethel College, St. Paul, Minnesota
1967 B.A. B.A. (Major, Natural Science; Minor, Chemistry and Biology)
1967-1969 University of North Dakota, Grand Forks, North Dakota
1969 M.A. M.A. (Major, Anatomy; Minor, Biochemistry and Physiology)
1969-1971 University of North Dakota, Grand Forks, N.D.
1971 Ph.D. Ph.D. (Major, Anatomy and Pathology; Minor, Biochemistry and Physiology)
1971-1972 The University of New Mexico, Department of Physiology, Postdoctoral Fellow in Renal Physiology, Dr. Sidney Solomon, Advisor

Academic Appointments:

1964-1966 Laboratory Instructor in Chemistry, Bethel College, St. Paul, Minnesota
1968-1970 Graduate Assistant in Gross Anatomy, University of North Dakota
1970-1971 Graduate Assistant in Electron Microscopic Techniques and Histology, University of North Dakota
1971-1972 Assistant Instructor in Anatomy, Department of Anatomy, The University of New Mexico, School of Medicine
1972-1977 Assistant Professor of Anatomy, Department Anatomy, The University of New Mexico, School of Medicine
1977-1979 Associate Professor of Anatomy, Department of Anatomy, The University of New Mexico, School of Medicine
1979-1981 Associate Professor of Anatomy, Department of Anatomy, Indiana University School of Medicine
1981-present Professor of Anatomy, Department of Anatomy, Indiana University School of Medicine
2003-present Chancellor's Professor of Anatomy and Cell Biology

Professional Societies:

Sigma Xi

American Association of Anatomists
American Heart Association
Council on the Kidney in Cardiovascular Disease
American Society of Nephrology
International Society of Nephrology
Midwest Salt and Water Society
American Society for Cell Biology
American Urological Association

Teaching Appointments:

1979-1980 D 503 Medical Gross Anatomy, D 504 Medical Histology
1980-1981 D 503 Medical Gross Anatomy, D 504 Medical Histology
1981-1982 D 503 Medical Gross Anatomy, D 504 Medical Histology
1982-1983 D 503 Medical Gross Anatomy, D 504 Medical Histology
1983-1984 D 503 Medical Gross Anatomy, D 504 Medical Histology
1984-1985 D 503 Medical Gross Anatomy, D 504 Medical Histology
1985-1986 D 503 Medical Gross Anatomy, D 504 Medical Histology, D 511 Dental Gross Anatomy
1986-1987 D 511 Dental Gross Anatomy (Course Director)
1987-1988 D 511 Dental Gross Anatomy (Course Director)
1988-1989 D 511 Dental Gross Anatomy (Course Director)
1990-1991 D 503 Medical Gross Anatomy
1991-1997 D 503 Medical/Dental Gross Anatomy
1997- D 503 Medical Gross Anatomy

Service:

A. Indiana University School of Medicine

1. Institutional

a Student Promotion Committee, Indiana University School of Medicine

(1985-95, 1999-2001, 2003-2004)

- b. Student Promotion Committee, Indiana University School of Dentistry (1986-90)
- c. Constitution and By-Laws Committee, IUPUI Faculty Council Standing Committee (1985-87, secretary 1987)
- d. Faculty Promotion and Tenure Committee, School of Medicine (1985-89)
- e. Faculty Promotions Committee, School of Medicine (1984-1985)
- f. LCME Self Study Subcommittee "Resources of the Educational Program-Facilities" (1987, 1993)
- g. Faculty Advisor in Faculty Support Program (1981-1983)
- h. Special Elective Course Director for 4th year Medical Students (1980-present)
- i. Renal Medicine Topic Committee, member (1980 to 95)
- j. Safety Committee, member (1980-1983)
- k. Enrichment Committee of the Diabetes Research & Training Center (1988-present)
- l. I.U.P.U.I. Faculty Council, Medical School Unit Representative, (1990-92)
- m. Special Faculty Grievance Subcommittee, I.U., School of Medicine, 1992
- m. Inquiry Subcommittee for the IUPUI Committee on Ethics in Research, 1993, 1998-to present
- o. Teacher-Learner Advocacy Committee, 1993-1997
- p. Biomedical Student Paper Committee, 1994-97
- q. Study Committee for LCME for Medical School Accreditation, 1994
- r. Research Team Meeting, Methodist Research Institute, 1997-
- s. IUPUI Committee on Ethics in Research, 1998-present

- t. IU School of Medicine Steering Committee, 1999-2001, 2003-2004
- u. Search and Screen Committee, Dept. Chair of Surgery, 2001
- v. Indiana University School of Medicine Student Mentoring Program, 2002-present.
- w. New Animal facility committee, 2003
- x. Board member, Methodist Research Institute Board of Directors (2003-
- y. Co-Director, Indiana Kidney Stone Institute
- z. AAMC-GQ Ad Hoc Task Force, 2003-

2. Departmental

- a. Electron Microscope Committee, member (1980 to present)
- b. Department of Anatomy Primary Committee, member (1983 to present)
- c. Department of Anatomy Graduate Committee, member (1980-1984)
- d. Graduate Advisor for Ph.D. candidates (1979 to 1990)
- e. Image Analysis Committee, Chairman (1990-1998)
- f. Chairman, Search & Screen Committee for Senior Computer Image Analyst, (1991)
- g. Departmental Strategic Planning Committee, 1993-1994
- h. Shellhamer Outstanding Teaching Committee (1996,1998,2001)
- i. Anatomy Search and Screen Committee, 1998
- j. Special EM Committee, Chair, 2001

B. University of New Mexico

1. Institutional

- a. Graduate Committee member (1973-1979)
- b. Faculty Development Task Force member (1975-1979)

- c. ACCORD Committee member (1974-1977)
 - d. Student Promotion Committee member (1975-1979)
2. Departmental
- a. CV Vertical Committee
 - b. GU Vertical Committee
 - c. Reproductive Vertical Committee
- C. Community Service:
- 1. Denver Baptist Bible College and Seminary, Advisory, Board, Board of Trustees (1984 to 1986)
 - 2. Advisor, Christian Medical Society
 - 3. Colonial Christian School, Board of Directors (1985 to 1987)
 - 4. Indianapolis Public Schools Science Mentor Program (1985 to present)
 - 5. Board, Twin Lakes Camp and Conference Center, Hillsboro, IN
- D. Professional Activities:
- 1. Polycystic Kidney Research Foundation, Scientific Advisor (1983 to 1993)
 - 2. Council of the National Kidney Foundation (PKD research) (1987- present)
 - 2. Research Committee on Shock Wave Lithotripsy (Advisory to NIH-NIDDK, FDA) (1988-present)
 - 3. American Heart Association (Indiana Affiliate), Research Committee (1984 to 1998)
 - 5. Editorial Board, Anatomical Record (1975 to present)
 - 6. American Society of Nephrology Review Team (Basic Immunology/ Pathology) (1987)
 - 7. Member of the International Advisory Committee for the workshop "Third International Workshop on Developmental Renal Physiology"

8. Organizer of the a symposium entitled "Biology of Epithelia" for the twentieth Scanning Electron Microscopy meeting
9. Outside reviewer for NIH, NSF, National Foundation-March of Dimes
9. Special Study Section, NIH, 1989, 1990, 1998, 1999 Grant proposals in lithotripsy and ultrasound
10. NIDDK workshop on the "Long term consequences of lithotripsy" presented in Phoenix, Arizona, February 3, 1992.
11. Symposium at the National Kidney Foundation's Annual Scientific Meeting on Renal Stone Disease, November 13, 1992.
13. Reviewer for the following journals:
 - American J. Anatomy
 - American J. Pathology
 - American J. Physiology
 - Anatomical Record
 - Hypertension
 - Laboratory Investigation
 - J. Clinical Investigation
 - J. Laboratory & Clinical Medicine
 - J. Pharmacology & Experimental Therapeutics
 - J. Urology
 - Kidney International
 - Scanning Microscopy
 - Stain Technology
14. Invited International Symposia
 - "On the genesis of renal cystic disease". Presented at the International Pediatric Nephrology Association, Helsinki, Finland, 1977.
 - "Surface view of some nephrons". Presented at the 1st International Symposium; SEM in Cell Biology and Medicine, Kyoto, Japan, 1980.
 - "Shape of cortical collecting duct of the rabbit". Presented at a Satellite Meeting at Niigota University, Niigota, Japan, 1980.
 - "Modification of the glomerular filtration barrier by Gentamicin". Presented at the International Symposium on Nephrotoxicity of Antibiotics, Rouen, France, 1981.

"The effects of alloxan induced diabetes on the glomerular filtration barrier of the rat". Presented at the First International Symposium on the Glomerular Basement Membrane, Vienna, 1981.

"The glomerular filtration barrier in aminoglycosid induced nephrotic acute renal failure". Presented at the First International Symposium on the Glomerular Basement Membrane, Vienna, 1981.

"The effect of angiotensin converting enzyme inhibition on nephrotoxic acute renal failure". Presented at the Tel Aviv Satellite Symposium on Acute Renal Failure, 1981.

"Afferent arterioles in pre-hypertensive and hypertensive SHR". Presented at the 4th International Symposium on rats with spontaneous hypertension and related studies, Heidelberg, Germany, 1981.

"Renal Cystic Disease". Presented at the 7th International Congress of Pediatric Nephrology, Tokyo, Japan, 1986.

"Role of Cell Proliferation and Fluid Accumulation in Cyst Growth". Presented at the Satellite Workshop on Approaches to the pathogenesis of polycystic kidney disease in Oxford, England, 1987.

"Effects of Proximal Tubule Obstruction on Glomerular and Tubular Morphology". Presented at the Tenth International Congress of Nephrology in London, England, 1987.

"Three-Dimensional Organization of the Collecting Tubule of the Rabbit Kidney". Presented at Eighth International Symposium on Morphological Sciences in Rome, Italy, 1988.

"Bioeffects of shock wave lithotripsy" Keynote presentation at ROCK society meeting 1997 AUA convention.

"Separation of cavitation and renal injury induced by shockwave lithotripsy (SWL) from SWL-induced impairment of renal hemodynamics". Presented at the 135th Meeting of the Acoustical Society of America, Seattle Washington, June 1998.

"Relationship of shock wave lithotripsy (SWL)-induced lesion size to renal hemodynamics at differing SWL parameters". Presented at the joint meeting of the 2nd Convention of the EAA and 137th the Acoustical Society of America, Berlin, Germany, March 14-19, 1999.

“Relationship of shock wave lithotripsy (SWL)-induced lesion size to renal hemodynamics at differing SWL treatment conditions.” Keynote presentation at ROCK society meeting 1999 AUA convention.

“Nephrolithiasis: Long-term complications of Lithotripsy”, The American Society of Nephrology Annual Meeting, Oct 15, 2000, Clinical Nephrology Conference speaker.

“Crystal deposit pattern in the kidney: A comparative microscopic analysis of crystal location and composition in renal tubular acidosis (RTA) and non-RTA patients”. NIH conference “Oxalosis and calcium oxalate stone disease. Nov 16-17, 2000.

“Long-term complications of Lithotripsy”, Presented at the Annual Meeting of the National Kidney Foundation’s Clinical Nephrology Meeting, April 2001.

“Shock wave lithotripsy (SWL) induced structural/functional changes in the human and pig kidney”. Presented at the 4th Congress of the International Society for Musculoskeletal shockwave therapy. Berlin, Germany, May 24-26, 2001.

“Shock wave lithotripsy: What are the risks?” Presented at the “ROCK” symposium at the annual meeting of the AUA, May 2001, Anaheim, CA.

“Shockwave lithotripsy (SWL) induces structural and functional changes in the kidney”, Presented at the 17th International Congress on Acoustics, September 2-7, 2001, Rome.

“Shock wave lithotripsy induced injury to the kidney”, Keynote speaker at the “ROCK” symposium at the annual meeting of the AUA, May 2002, Orlando, FL.

“Anatomical considerations in calcium oxalate stone disease” Presented at the 2002 FASEB Summer Research Conferences on Calcium Oxalate in Biological Systems, Saxtons River, Vermont, August 3-8, 2002.

“Shockwave lithotripsy (SWL) induces significant structural and functional changes in the kidney”, Presented at the 16th International Symposium on Nonlinear Acoustics, Moscow, Russia, August 19-23, 2002.

“Crystal deposits begin in loops of Henle of CaOx stone formers versus an intralubular location for intestinal bypass stone formers”. Presented at the ROCK Society Research Update at 2003 AUA Annual Meeting. Chicago, IL, April 29, 2003.

“Renal papillary pathology of human stone formers” Presented at Grand Rounds, Mayo Clinic, April 12, 2004.

“Kidney’s role in stone formation” Presented at National Kidney Foundation 2004 Clinical Meeting, Chicago, IL April 28-May 2, 2004.

“Insights from pathology of stone formation” Presented at 7th International Workshop on Primary Hyperoxaluria. Mayo Clinic, October 8-10, 2004.

“Status of the Safety and Effectiveness of Shock Wave Lithotripsy: Improvement or Problematic” Presented at Grand Rounds, FDA, Center for Devices and Radiological Health, Rockville, MD April 4, 2005.

“Safety and Effectiveness of Shock Wave Lithotripsy (SWL): Insights from Recent Clinical and Basic Science Studies” Presented at the ROCK Society Research Update at 2005 AUA Annual Meeting, San Antonio, TX.

“Earliest phases of stone formation” Presented at the NIDDK 2006 Urolithiasis Symposium, Baltimore, Maryland, March 9-10, 2006.

“Risk factors for tissue injury induced by shock wave lithotripsy (SWL)” Presented at Ed Carstensen Symposium at the ASA, Providence, RI, June 8, 2006.

Research Support:

A. Grants Submitted or Pending

1. AHA, Postdoctoral Fellowship for Daniel Clark, A. Evan is mentor, Prevention of oxidative stress in shock wave lithotripsy, 7/1/06 to 6/30/07, \$43,476.
2. NIK, SBIR, P.I. Rocky Pramanik, Biomarkers of Randall’s plaque: Tissue and inflammation in nephrolithiasis, 15% effort, 2/1/07 to 1/31/10, \$122,566.
3. NIH, NIDDK, P.I. Eliane Worcester, Pathophysiology of enteric hyperoxaluria in rats, Andrew Evan 5%, 7/01/06 – 6/30/08, \$49,942 direct costs.

B. Current

1. NIH, NIDDK, PO1 DK 56788-6, Pathogenesis of calcium nephrolithiasis, Director of PPG Fred Coe, P.I. Andrew Evan (Project 4 and Core B) , 20% effort, 07/01/05-06/30/10, \$690,189 direct costs.
2. NIH, PO1 DK43881-10 Strategies for improved shock wave lithotripsy, P.I. Andrew Evan, 40% effort, 7-01-05 to 6-30-09, \$6,457,751 direct + indirect costs.
3. American Foundation for Urologic Disease and the American Urological Association Research Scholar Program, P.I. Brian R. Matlaga, 7-1-04 to 6-30-06, \$30,000 direct costs, Mentors J.E. Lingeman, Lynn R. Willis and A.P. Evan.

4. NIH, Inacon 200 Ultra High-Speed Framing camera System, P.I. Lawrence Crum, 04/01/04 to 03/31/05, \$386,560 direct costs.
5. NIH, RO1 DK 67133-02, Risk Factors for renal Injury caused by Shock Wave Lithotripsy, P.I. Andrew P Evan, 12% effort, 4/01/04 to 3/31/09, 1,250,000 direct costs.
6. NIH, SIG, High pressure freezing and processing unit, P.I. Vincent Gattone,, 4/01/05 – 3/31/06, Andrew Evan Co-investigator, 0% effort, \$163,441.

C. Past

1. NIH, PO1, Pathogenesis and treatment of calcium nephrolithiasis, P.I. Fred Coe, 8/1/00 – 6/30/05, 20% effort, Core B: Pathology Core, P.I. Andrew Evan, \$750,000 direct costs.
2. NIH, SBIR, Quantification of regional renal perfusion with Cu-62 PE, P.I. Lynn Willis, 5% effort, 6-01-03 to 5-30-06, \$173,800 direct costs.
3. NIH, PO1 DK43881-07 Role of SWL in renal injury and stone comminution, P.I. Andrew Evan, 40% effort, 3-1-98 to 6-30-05, \$3,327,114 direct costs.
4. NIH, RO1, Molecular mechanisms of renal cell injury, P.I. Robert Bacallao, 5% effort, 5-1-99 to 4-30-04, \$156,976 direct costs.
5. NIH, RO1, Physical mechanisms of tissue damage in SWL, P.I. James McAteer, 10% effort. 7-1-00 to 3-31-04, \$1,303,907 direct Costs.
6. NIH, RO1. Actin dysregulation in ischemia: Mechanisms and effects, P.I. Bruce Molitoris, 7-31-00 to 6-30-05, Imaging Core, 5% effort, \$125,000 direct costs.
7. NIH, TEM with digital systems, P.I. Andrew Evan, 04/01/04 to 03/31/05, \$386,560 direct costs.
8. American Foundation for Urologic Disease and the American Urological Association Research Scholar Program, P.I Ryan F. Paterson, 7-1-00 to 6-30-02, \$24,000 direct costs, Mentors J.E.Lingeman, James McAteer and A.P. Evan.
9. American Foundation for Urologic Disease and the American Urological Association Research Scholar Program, P.I Ramsay L Kuo, 7-1-01to 6-30-03, \$24,000 direct costs, Mentors J.E.Lingeman, and A.P. Evan.
10. Methodist Research Institute, Influence of age and technique of stone removal on renal hemodynamics and blood pressure, P.I.Rajiv Agarwal, 1/1/99- 12/31/01, \$85,000 direct costs.

11. NSF, EAR-9871243, Acquisition of SEM/EDS/WDS for earth and life sciences, P.I. Gary Rosenberg, 9/1/98 – 8/3/00, \$200,000 direct costs.
12. NIH, Inborn errors of a purine salvage pathway, P.I. Jay Tischfield, 15% effort, 12-1-96 to 11-30-01, \$1,094,325 direct costs. (A subcontract with Rutgers University).
13. National Kidney Foundation of Indiana, Lithotripsy-induced increases in renal nerve activity, P.I. Andrew Evan, 5% effort, 2-25-00 to 2-24-01, \$5,750 direct costs.
14. Microvasive/Boston Scientific Corporation and Cook Urological Association, Endourology Fellowship, P.I. David Lifshitz, 7-1-99 to 6-30-00, \$24,000 direct costs, Mentors J.E. Lingeman, James McAteer and A.P. Evan.
15. NIH, PO1 DK43881-04 Role of SWL in renal injury and stone comminution, P.I. Andrew Evan, 40% effort, 3-1-94 to 2-28-98, \$2,700,00 direct costs.
16. NIH, Microvascular characteristics of diabetes mellitus, P.I. H. Glenn Bohlen, 8-1-92 to 7-31-97, \$724,156.
17. Research Venture Award, Establishment of HM3 Lithotripter at Methodist Hospital as Research lithotripter for PPG, \$20,000.
18. NIH, Microvascular characteristics of diabetes mellitus, P.I. H. Glenn Bohlen, 10% effort, 8-1-88 to 7-31-92, \$580,497.
19. PKR Foundation, Relationship between fluid accumulation and epithelial proliferation in renal cyst enlargement, P.I. James McAteer, 4-1-90 to 3-30-91, \$25,000.
20. Institute for Kidney Stone Disease, Methodist Hospital, The bioeffects of ESWL, 4-1-90 to 3-30-91, \$32,497.
21. Methodist Hospital, Bioeffects of extracorporeal shock wave lithotripsy, 4-1-90 to 3-30-91, \$35,038.
22. NSF, 3D reconstruction and image processing facility at I.U.S.M., 7-1-89 to 6-30-90, \$101,679.
23. Boehringer Mannheim Corp., SEM Analysis of Dry Emulsion Samples, P.I. Andrew Evan, 9-1-89 to 8-31-90, \$52,000.
24. NIH, Small instrumentation program, Image analysis system, Co-P.I. Andrew Evan, 7-1-88 to 6-30-89, \$33,965.
25. Methodist Hospital of Indiana, Bioeffects of extracorporeal shock wave lithotripsy, P.I. Andrew Evan, 5% effort, 2-1-88 to 10-31-88, \$81,000.

26. NIH, Host-microbe interaction in renal cystic disease, Co-P.I., 20% effort, 12-1-83 to 11-30-88, \$460,860.
27. NIH, Epithelial hyperplasia and renal cystic disease in vitro, 10% effort, 12-1-83 to 11-30-88, \$164,107.
28. NIH, Microvascular characteristics of diabetes mellitus, 10% effort, 7-1-84 to 6-30-88, \$150,000.
29. NIH, Nephron response to tubular obstruction, 5% effort, 7-1-82 to 6-30-85, \$142,626.
30. American Heart Association, Indiana Affiliate, Vascular morphology of the spontaneously hypertensive rat, P.I., 15% effort, 7-1-82 to 6-30-83, \$25,000.
31. NIH, Seeding of endothelial cells in vascular prostheses, 10% effort, 7-1-80 to 6-30-83, \$446,964.
32. State of Indiana Attorney General's Fund, Mechanism of Aminogluco-side Nephrotoxicity, P.I., 1980, \$23,000.
33. Schering Drug Co., Comparative effects of gentamicin, netalmicin, ampicillin & tobramycin on glomerular filtration barrier, 1980, \$17,000.
34. NIH, Bicarbonate transport of the maturing proximal tubule, P.I., 20% effort, 7-1-79 to 6-30-82, \$255,341.
35. NIH, Pathogenesis of renal cystic disease, 20% effort, 4-1-79 to 3-31-81, \$115,454.
36. NIH, MBS program, Renal PAH transport during development, 10% effort, 8-20-79 to 8-19-82, \$17,000.
37. NIH, Radiation Nephritis in a Nonhuman Primate, Co-P.I., 20% effort, 7-1-7 to 6-30-81, \$125,386.
38. National Foundation--March of Dimes, Basil O'Connor Grant, Cystic kidney disease in rats, 40% effort, 9-1-77 to 6-30-79, \$35,260.
39. NIH, Renal PAH transport during development, P.I., 30% effort, 9-30-76 to 8-31-79, \$77,379.
40. NIH, Transcapillary exchange in experimental brain tumors, 30% effort, 4-1-75 to 3-31-79, \$213,746.

41. NIH, Comparative Study of renal cystic diseases in rats, 40% effort, 6-1-74 to 5-31-77, \$132,397.

Publications:

Book Chapters

- Gardner, K.D. and A.P. Evan 1978 The nephronophthisis-cystic renal medulla complex. In: Nephrology, Jean Hamburg, ed., by W.B. Saunders, Philadelphia, PA. pp 339-369.
- Evan, A.P. 1982 Maturation of the vascular system of the puppy kidney. In: The kidney during Development: Morphology and Function, Ed., A. Spitzer, Masson Publishing, New York. pp 3-14.
- Navar, L.G., A.P. Evan, and L. Rosivall 1983 Microcirculation of the kidneys. In: The physiology and pharmacology of the microcirculation. Ed. N.A. Mortillaro. New York: Academic Press. pp 397-489.
- Evan, A.P., V.H. Gattone, F.C. Luft 1984 Glomerular Filtration Barrier in Ischemic and Nephrotoxic Acute Renal Failure. In: Acute Renal Failure. Correlations Between Morphology and Function. Eds. K. Solez, A. Whelton. New York: Marcel Dekker, pp 119-133.
- Evan, A.P. and K.D. Gardner 1985 Morphology of polycystic kidney disease in man and experimental models. In: Chronic Renal Disease. Causes, Complications & Treatment. Eds. N. Cummings & S. Klahr. New York: Plenum pp. 55-68.
- Navar, L.G., P.D. Bell & A.P. Evan 1986 The regulations of glomerular, Filtration Rate in Mammalian Kidneys. In: Physiology of Membrane Disorders. Eds. T. Andreoli, D.D. Fanestil, J.F. Hoffman & S.G. Schultz. New York: Plenum pp 637-667.
- Gardner, K.D., Jr., and A.P. Evan 1987 Cystic diseases of the kidney. In: Current Nephrology. Ed. H. C. Gonick, Chicago: Year Book Medical Publishers pp. 37-66.
- Evan, A.P., and J.A. McAteer 1990 Cyst cells and cyst walls. In: The Cystic Kidney, Eds. K.D. Gardner, & J. Bernstein, Netherlands: Kluwer Academic Publishers, pp 21-42.
- Avner, E., J.A. McAteer, A.P. Evan 1990 Models of cysts and cystic disease. Eds. K.D. Gardner & J. Bernstein, Netherlands: Kluwer Academic Publishers, pp. 43-55.
- Evan, A.P. & L. Larrison 1992 Kidney Development. In: Pediatric Kidney Disease. Eds. C.M. Edelmann, J. Bernstein, S.R. Meadow, A. Spitzer & L.B. Travis. New York: Little, Brown, pp. 19-48.
- Evan, A.P., 1993 Postnatal development of the kidney. In: Pediatric Nephrology. Eds. M. Holiday, T.M. Barratt, & E. Avner. Baltimore: Williams & Wilkins, pp. 40-61.

McAteer, J.A., S. Kempson & A.P. Evan 1994 Untitled protocol for the culture of normal human kidney cortical (NHK-C) epithelial cells. In: Culture of animals cells: a manual of basic technique. 3rd edition, Ed. R.I. Freshney. New York: Wiley-Liss, pp. 323-325.

Blantz, R.C., A.P. Evan and F.B. Gabbai 1995 Red cell substitutes in the kidney. In: Current Issues in blood substitutes: Research and Development. Ed. R. Winslow. Boston: Birkhauser, pp. 132-142.

Evan, A.P., J.A. McAteer 1996 Current perspectives on shock wave adverse effects. In: Shock wave lithotripsy bioeffects: The Yin and the Yang of stone fragmentation and tissue injury, Ed. J.E. Lingeman, New York: Igaku-Shoin Medical Publishers, pp. 3-20.

Evan, A.P., & J.A. McAteer 1996 Q-Effects of Shock Wave Lithotripsy. In: Kidney Stones: Medical and Surgical Management. Eds. F. Coe, C. Pak G.M. Preminger, Raven Press, New York, pp. 549-570.

Evan, A.P., and Connors, B.A., 1996 Morphometric analysis of vascular smooth muscle by scanning electron microscopy. In: International Review of Experimental Pathology. Vol 36, Eds. V.J. Savin & T.B. Wiegmann, Academic Press, San Diego, pp. 31-52.

McAteer, J.A. and A.P. Evan 1996 Culture of human polycystic kidney cyst wall epithelium. In: Griffiths, J.B., Doyle, D.A., Newell, D.G. eds., Cell & Tissue Culture: Laboratory Procedures, Update 11, John Wiley & Sons, Ltd, Sussex, pp. 14C1.1-14C1.10.

Moody, J.A, Evan, A.P. and Lingeman, J.E. 2001 Extracorporeal shockwave lithotripsy. In: Weiss, R.M., George, N.J.R., O'Reilly, P.H. eds., Comprehensive Urology, New York, Mosby, pp. 623-636.

Lingeman, J.E., Lifshitz, D.A. and A.P. Evan, A.P 2002 Surgical management of urinary lithiasis. In: Walsh, P.C., Retik, A.B., Vaughan, E.D. Wein, A.J. eds., Campbell's Urology, Philadelphia, W.B Saunders Company, Vol 4, Chpt 99, pp 3361-3451.

Lingeman, J.E., M. Delius A.P. Evan, M. Gupta, K. Sarica, W. Strohmaier, J.A. McAteer and J. Williams, Jr. 2003 Bioeffects and physical mechanisms of SW effects in SWL. In Segura J, Conort P, Khoury S, Pak C, Preminger GM, Tolley D, eds., Stone Disease, 1st International Consultation on Stone Disease. Paris, Health Publications, pp.287-356.

Bailey, M.R., L.A. Crum, A.P. Evan, J.A. McAteer, J.C. Williams, O.A. Sapozhnikov, R.O. Cleveland, and T. Colonius Caviatiion in Shock Wave Lithotripsy, In: Fifth International Symposium on Cavitation, (CAV2003), Osaka, Japan, November 11-4, 2003, pp 1-12.

Evan A.P., J.A. McAteer, J.C. Williams, L.R. Willis, M.R. Bailey, L.A. Crum, J.E. Lingeman and R.O Cleveland. Shock Wave Physics of Lithotripsy: Mechanisms of shock wave action and progress toward improved SWL. 2005 In: Textbook of Minimally Invasive Urology, R. Moore,

J.T. Bishoff, S. Loening and S.G. Docimo Eds, Martin Dunitz Limited, London, chapter 28, pp 425-438.

Evan, A.P., L.R. Willis. Extracorporeal shock wave lithotripsy: Complications. 2007 In: Smith's Textbook of Endourology, 2nd edition, AD.Smith, GH. Badlani, DH. Bagley, RV. Clayman, SG. Docimo, GH. Jordan, LR. Kavoussi, BR. Lee, JE. Lingeman, GM. Preminger, J.J. Segura, eds, BC Decker, Inc., Hamilton, Ontario, Canada, Chapter 41 353-365.

Lingeman, J.E., Matlaga B. and A.P. Evan, A.P 2006 Surgical management of urinary lithiasis. In: Walsh, P.C., Retik, A.B., Vaughan, E.D. Wein, A.J. eds., Campbell's Urology, Philadelphia, W.B Saunders Company, (In Press).

Coe, F.L., Parks, J.H., Evan, A.P., and Worcester, E. 2006 Pathogenesis and treatment of nephrolithiasis. In: The Kidney: Physiology and pathophysiology, 4th edition, eds., Alpern and Hebert, Lippincott, Williams and Wilkins (In Press).

Referred Articles

1969-73

Evan, A.P. 1969 An electron microscopic study on the effect of lithium carbonate on the rat kidney (Masters Thesis: Department of Anatomy, University of North Dakota).

Evan, A.P. and D. A. Ollerich 1970 An electron microscopic study of the effect of high dosages of lithium carbonate on the rat kidney. *Anat. Rec.* 166:303.

Evan, A.P. 1971 The effect of lithium carbonate on the rat kidney: An ultrastructural, functional and biochemical study (Ph.D. Dissertation: Department of Anatomy, University of North Dakota).

Evan, A.P. and D.A. Ollerich 1972 The effect of lithium carbonate on the structure of the rat kidney. *Amer. J. Anat.* 134:97-106.

Evan, A.P., P.G. Simone and S. Solomon 1972 Structural changes in the proximal tubule of kidneys from hypophysectomized rats. *Anat. Rec.* 174:265-277.

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