10-26-2016

CURRICULUM VITAE
of
Bret Alan Connors, Ph.D.

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EDUCATION:

1975-1979	Earlham College, Richmond, Indiana
1978	Oak Ridge National Laboratory, Oak Ridge, Tennessee
1979	B.A., Earlham College (Major, Biology)
1983-1992	Indiana University, Medical Campus, Indianapolis, Indiana
Dec. 1992	Ph.D., Indiana University (Major, Anatomy; Minor, Life Sciences)

POSITIONS AND TEACHING EXPERIENCE:

1977	Laboratory Assistant in Ecological Biology, Department of Biology, Earlham College
1978	Laboratory Assistant and Tutor in Genetics, Department of Biology, Earlham College
1978-1979	Laboratory Assistant in Cell Biology, Department of Biology, Earlham College
1979-1983	Research Technician, Laboratory of Dr. Andrew Evan, Indiana University
1983	Guest Lecturer in Scanning Electron Microscopy Course, Department of Anatomy, Indiana University School of Medicine

1983-1984	Associate Instructor in Electron Microscopy, Department of Anatomy, Indiana University School of Medicine
1984-1985	Associate Instructor in Medical Neurobiology, Department of Anatomy, Indiana University School of Medicine
1985-1986	Associate Instructor in Medical Gross Anatomy, Department of Anatomy, Indiana University School of Medicine
1986-1988	Associate Instructor in Medical Neurobiology, Department of Anatomy, Indiana University School of Medicine
1988-1989	Associate Instructor in Dental Gross Anatomy, Department of Anatomy, Indiana University School of Medicine
1989	Guest Lecturer in Electron Microscopy Course, Department of Anatomy, Indiana University School of Medicine
1989-1990	Laboratory Director and Associate Instructor in Physical Therapy Gross Anatomy, Department of Anatomy, Indiana University School of Medicine
1990-1991	Graduate Fellowship, Department of Anatomy, Indiana University School of Medicine
1992-1994	Post-Doctoral Position, Laboratory of Dr. H. Glenn Bohlen, Department of Physiology and Biophysics, and Laboratory of Dr. Andrew Evan, Department of Anatomy, Indiana University School of Medicine
1994-present	Assistant Scientist, Department of Anatomy and Cell Biology, Indiana University School of Medicine
2004-present	Lecturer in Electron Microscopy Course, Department of Anatomy and Cell Biology, Indiana University School of Medicine

PROFESSIONAL SOCIETIES:

1998-present	American Association of Anatomists

AWARDS:

Best poster award for poster session at American Urological Association Annual Meeting, 2008. Poster# 1348. Connors, Evan, Willis, Handa, Johnson, McAteer and Lingeman. *Allowing time for the kidney to respond to a priming dose of shock waves is key to protection against ESWL injury.*

Best abstract award for American Urological Association Annual Meeting, 2013. Abstract# 1553. Connors, Evan, Blomgren, Hsi, Harper, Sorensen, Wang, Simon, Paun, Starr, Cunitz and Bailey. *Comparison of tissue injury from a novel technique of focused ultrasonic propulsion of kidney stones versus extracorporeal shock wave lithotirpsy*. AUA 2013 Meeting Program Book, p. 115.

INVITED PRRESENTATIONS:

Plenary Session talk at American Urological Association Annual Meeting, 2013. *Comparison of tissue injury from a novel technique of focused ultrasonic propulsion of kidney stones versus extracorporeal shock wave lithotirpsy*. AUA 2013 Meeting Program Book, p. 115.

GRANT SUPPORT:

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 2-P01-DK-43881-20
"Innovative Strategies for Improved Outcomes in Nephrolithiasis"
Annual Project Direct Cost: $ 368,654.00
Entire Project Direct Cost Requested: $ 1,874,995.00
Annual Program Project Direct Cost Requested: $ 1,589,181.00
Entire Program Project Direct Cost Requested: $ 7,884,837.00
Funding Period: 7-1-14 to 6-30-19
Program Project Director: Dr. Mike Bailey
Project 3 Primary Investigator: Dr. Raj Handa
Role in Project: Co-Investigator
Cal. Months Effort: 7.2

Agency: National Institutes of Health Grant, NIDDK
Title: Grant # 5-R44-DK-089703-03
"Sparker Array for Improved Electrohydrulic Lithotripsy (EHL)"
Annual Project Direct Cost: $ 83,156.00
Entire Project Direct Cost: $ 83,156.00
Funding Period: 9-1-14 to 8-31-15
Principal Investigator: Dr. Raymond Schaefer
Role in Project: Principal Investigator (on subcontract)
Cal. Months Effort: 4.2

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 2-P01-DK-56788
"Pathophysiology and Histopathology of Nephrolithiasis"
Annual Project Direct Cost: $ 98,942.00
Entire Project Direct Cost: $ 1,967,079.00
Annual Program Project Direct Cost: $ .00
Entire Program Project Direct Cost: $ .00
Funding Period: 8-1-14 to 7-31-16
Program Project Director: Dr. Fred Coe
Project 3 Principal Investigator: Dr. Bret Connors
Role in Project: Principal Investigator (on subcontract)
Cal. Months Effort: 3.0 (2014-2015)

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 2-P01-DK-43881-15
"Strategies for Improved Shock Wave Lithotripsy"
Annual Project Direct Cost: $ 366,613.00
Entire Project Direct Cost: $ .00
Annual Program Project Direct Cost: $ 1,299,638.00
Entire Program Project Direct Cost: $ 5,982,106.00

Funding Period: 7-1-09 to 6-30-14
Program Project Director: Dr. James McAteer
Project 1 Primary Investigator: Dr. Andrew Evan
Role in Project: Co-Investigator
Cal. Months Effort: 9 (2009-2010), 10.8 (2010-2011), 12 (2011-2014)

Agency: National Institutes of Health Grant, NIDDK
Title: Grant # 1 RC1 DK087062-01
"Tracking Kidney Stones During Shock Wave Lithotripsy"
Annual Project Direct Cost: $ 70,000.00
Entire Project Direct Cost: $ 70,000.00
Funding Period: 4-1-10 to 3-31-11
Principal Investigator: Dr. Robin Cleveland
Role in Project: Co-Investigator
Cal. Months Effort: 1.2

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 2-P01-DK-43881-10A1
"Strategies for Improved Shock Wave Lithotripsy"
Annual Project Direct Cost: $ 209,397.00
Entire Project Direct Cost: $ 1,111,940.00
Annual Program Project Direct Cost: $ 983,928.00
Entire Program Project Direct Cost: $ 5,120,997.00
Funding Period: 7-1-04 to 6-30-09
Principal Investigator: Dr. Andrew Evan
Role in Project: Co-Investigator
Percent Effort: 30%

Agency: National Institutes of Health Grant, NIDDK
Title: Grant # 1 R01-DK-67133-01
"Risk for Renal Injury Caused by Shock Wave Lithotripsy"
Annual Project Direct Cost: $ 235,000.00
Entire Project Direct Cost: $ 1,175,000.00
Funding Period: 4-1-04 to 3-31-09
Principal Investigator: Dr. Andrew Evan
Role in Project: Co-Investigator
Percent Effort: 70%

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 2-P01-DK-43881-05, "Role of SWL in Renal Injury and Stone Comminution"
Entire Program Project Direct Cost: $ 4,711,906.00
Funding Period: 3-1-98 to 6-30-04
Principal Investigator: Dr. Andrew Evan
Role in Project: Co-Investigator

Percent Effort: 65%

Agency: National Institutes of Health Grant, NHLBI
Title: Grant # R01-HL-42898-06A1, "Vascular Adaptation in Pathophysiology"
Annual Project Direct Cost: $ 119,090.00
Entire Project Direct Cost: $ 436,405.00
Funding Period: 8-1-97 to 7-31-01
Principal Investigator: Dr. Joe Unthank
Role in Project: Co-Investigator
Percent Effort: 20%

Agency: Physiologic Imaging Research Center Grant (from research investment fund) at Indiana University School of Medicine
Title: "PET Imaging to Assess Regional Changes in Renal Blood Flow Following Shock Wave Lithotripsy"
Entire Project Direct Cost: $ 22,747.20
Funding Period: 6-1-96 to 5-30-97
Principal Investigator: Dr. Lynn Willis
Role in Project: Co-Investigator
Percent Effort: 5%

Agency: National Institutes of Health Grant, NIDDK
Title: Program Project Grant # 1-P01-DK-43881-01A3, "Role of SWL in Renal Injury and Stone Comminution"
Entire Program Project Direct Cost: $ 2,649,476.00
Funding Period: 3-1-94 to 2-28-98
Principal Investigator: Dr. Andrew Evan
Role in Project: Assistant Scientist
Percent Effort: 14.5%

CONTRIBUTIONS TO TEXTBOOKS AND CHAPTERS

1. Micrographs In: Schauf, C.L., D.F. Moffett and S.B. Moffett: Human Physiology: Foundations and Frontiers, St. Louis: Times Mirror/Mosby College Publishing. 1990.

2. Front Cover Micrograph: American Journal of Physiology: Renal, Fluid and Electrolyte Physiology: The American Physiological Society, Bethesda, Maryland. Vol. 30 (July-December), 1991.

3. Micrographs In: Fawcett, D.W.: Bloom and Fawcett: A Textbook of Histology, 12th Edition, Philadelphia: W.B. Saunders Company. 1994.

4. Front Cover Micrograph: American Journal of Physiology: Cell Physiology: The American Physiological Society, Bethesda, Maryland. Vol. 40 (July-December), 1996.

PUBLICATIONS:

1. Evan, A.P., F.C. Luft, V.H. Gattone, **B.A. Connors**, D.A. McCarron and L.R. Willis. (1981) *The glomerular filtration barrier in the spontaneously hypertensive rat.* Hypertension 3(suppl. I):I-154-161.

2. Burnett, B.T., V.H. Gattone, **B.A. Connors**, A.P. Evan and D.L. Felten. (1981) *Scanning electron microscopy of the midline floor of the fourth ventricle of the rabbit.* Society of Neurosciences Abstracts 7:422. *abstract*

3. Evan, A.P., S.A. Mong, **B.A. Connors**, G.R. Aronoff and F.C. Luft. (1981) *Scanning electron microscopic changes in kidneys of alloxan diabetic rats.* In: Proceedings of the 8th International Congress of Nephrology p. 230A. *abstract*

4. Luft, F.C., G.R. Aronoff, A.P. Evan and **B.A. Connors**. (1981) *The effect of aminoglycosides on glomerular endothelium: A comparative study.* Research Communication in Chemical Pathology and Pharmacology 34(1)88-95.

5. Luft, F.C., G.R. Aronoff, A.P. Evan, **B.A. Connors**, M.H. Weinberger and S.A. Kleit. (1982) *The renin-angiotensin system in aminoglycoside-induced acute renal failure.* Journal of Pharmacology and Experimental Therapeutics 220(2):433-439.

6. Luft, F.C., G.R. Aronoff, A.P. Evan, **B.A. Connors**, D.L. Blase and V.H. Gattone. (1982) *Effects of moxalactam and cefotaximine on rabbit renal tissue.* Antimicrobial Agents and Chemotherapy 21(5):830-835. PMCID: PMC182020

7. McAteer, J.A., T.J. Cavanagh, **B.A. Connors** and A.P. Evan. (1982) *Alveolar epithelial differentiation in defined-medium serum-free culture.* Journal of Cell Biology 95:189A. *abstract*

8. Gattone, V.H., A.P. Evan, S.A. Mong, **B.A. Connors**, G.R. Aronoff and F.C. Luft. (1983) *The morphology of the renal microvasculature in glycerol and gentamicin induced acute renal failure.* Journal of Laboratory and Clinical Medicine 101:183-195.

9. Evan, A.P., S.A. Mong, **B.A. Connors**, G.R. Aronoff and F.C. Luft. (1984) *The effect of alloxan and alloxan induced diabetes on the kidney.* Anatomical Record 208:33-47.

10. Evan, A.P., S.A. Mong, V.H. Gattone, **B.A. Connors**, G.R. Aronoff and F.C. Luft. (1984) *The effect of streptozotocin*

and streptozotocin-induced diabetes on the kidney. Renal Physiology 7:78-89.

11. Kenner, C.H., A.P. Evan, **B.A. Connors**, G.R. Aronoff and F.C. Luft. (1984) *Protein intake and chronic renal failure in rats.* Kidney International 25:247. *abstract*

12. McAteer, J.A., D.J. Welling, A.P. Evan, **B.A. Connors** and L.D. Welling. (1985) *Determination of growth rate for MDCK-cysts cultured within collagen gel.* Federation Proceedings 44:1039. *abstract*

13. Weinberger, H.D., B.A. Martin, V.H. Gattone, A.P. Evan, **B.A. Connors**, F.C. Luft and L.R. Willis. (1986) *The effect of angiotensin II on glomerular function and morphology in the rat.* Journal of Submicroscopic Cytology 18(1):29-34.

14. Miller, B.G., **B.A. Connors**, H.G. Bohlen and A.P. Evan. (1987) *Cell and wall morphology of intestinal arterioles from 4 to 6 and 17 to 19-week-old Wistar-Kyoto and spontaneously hypertensive rats.* Hypertension 9:59-68.

15. Evan, A.P., **B.A. Connors** and J.A. McAteer. (1989) *Three dimensional organization of the collecting tubule of the rabbit kidney.* In: Motta, P.M.(ed.): Progress in Clinical and Biological Research, Vol. 295, Cells and Tissues: A Three-Dimensional Approach by Modern Techniques in Microscopy, New York: Alan R. Liss, Inc. pp. 189-202.

16. Evan, A.P., J.A. McAteer, C.P. Steidle, L.R. Willis, N. Hockley, **B.A. Connors**, S.A. Kempson and J.E. Lingeman. (1989) *Renal damage induced by ESWL in the mini-pig.* Presented at the 5th Annual Symposium on Shock Wave Lithotripsy: Urinary and Biliary. *abstract*

17. Evan, A.P., J.A. McAteer, C.P. Steidle, L.R. Willis, N. Hockley, **B.A. Connors**, S.A. Kempson, J.E. Lingeman. (1989) *Acute renal damage induced by ESWL in the mini-pig.* Journal of Urology 141:228A. *abstract*

18. Evan, A.P., J.A. McAteer, C.P. Steidle, L.R. Willis, N. Hockley, R. Saint, A. Hawk, **B.A. Connors**, S.A. Kempson and J.E. Lingeman. (1989) *The mini-pig: An ideal large animal model for studies of renal injury in ESWL research.* In: Lingeman, J.E., and D.M. Newman (eds.): Shock Wave Lithotripsy, Vol. 2, Urinary and Biliary Lithotripsy, New York: Plenum Press, Inc. pp. 35-40.

19. Evan, A.P., J.A. McAteer, L.R. Willis, **B.A. Connors**, S.A. Kempson, and J.E. Lingeman. (1989) *ESWL-induced renal*

tubular and vascular injury in the mini-pig. Kidney International 37:412. *abstract*

20. Evan, A.P., L.R. Willis, **B.A. Connors**, R. Saint, J.A. Mcateer and J.E. Lingeman. (1990) *ESWL induces dose dependent changes in renal structure and function in the young mini-pig.* Journal of Urology 143(4):232A. *abstract*

21. Evan, A.P., L.R. Willis, **B.A. Connors**, J.A. McAteer and J.E. Lingeman. (1990) *SWL induces more severe renal structural and functional changes in juvenile vs adult minipig kidney.* Journal of Endourology 4:S58. *abstract*

22. Evan, A.P., L.R. Willis, **B.A. Connors**, J.A. McAteer and J.E. Lingeman. (1991) *Renal injury following extracorporeal shock wave lithotripsy.* Journal of Endourology 5(1):25-35.

23. Evan, A.P., L.R. Willis, **B.A. Connors**, G. Reed, J.A. McAteer and J.E. Lingeman. (1991) *Shock wave lithotripsy-induced renal injury.* American Journal of Kidney Diseases 17(4):445-450.

24. Evan, A.P., L.M. Satlin, V.H. Gattone, **B.A. Connors** and G.J. Schwartz. (1991) *Postnatal maturation of the rabbit renal collecting duct. II. Morphologic observations.* American Journal of Physiology 30(1):F91-F107.

25. Bizuneh, M., H.G. Bohlen, **B.A. Connors**, B.G. Miller and A.P. Evan. (1991) *Vascular smooth muscle structure and juvenile growth in rat intestinal venules.* Microvascular Research 42:77-90.

26. Bizuneh, M., H.G. Bohlen, **B.A. Connors**, B.G. Miller and A.P. Evan. (1991) *Structural alterations in vascular smooth muscle cells of intestinal venules during the growth of juvenile rats.* Proceedings of the 5th World Congress for Microcirculation p. 8. *abstract*

27. **Connors, B.A.**, H.G. Bohlen and A.P. Evan. (1991) *Quantitation of morphological changes observed in the vascular wall of diabetic rat intestinal vessels.* Proceedings of the 5th World Congress for Microcirculation p. 17. *abstract*

28. Willis, L.R., A.P. Evan, **B.A. Connors** and J.E. Lingeman. (1991) *Verapamil moderates the bilateral effects of extracorporeal shock wave lithotripsy (ESWL) on renal plasma flow on pigs.* Journal of the American Society of Nephrology 2:657. *abstract*

29. Gardner, K.D., J. Burnside, **B.A. Connors** and A.P. Evan. (1991) *Are there two renal phenotypes in autosomal dominant polycystic kidney disease (ADPKD).* Journal of the American Society of Nephrology 2:252. *abstract*

30. Willis, L.R., A.P. Evan, **B.A. Connors**, J. Lai and J.E. Lingeman. (1992) *Verapamil moderates the bilateral effects of extracorporeal shock wave lithotripsy (ESWL) on renal plasma flow (RPF) and glomerular filtration rate (GFR) in minipigs.* Journal of Urology 147:258A. *abstract*

31. Gardner, K.D., J.S. Burnside, B.J. Skipper, S.K. Swan, W.M. Bennett, **B.A. Connors** and A.P. Evan. (1992) *On the probability that kidneys are different in autosomal dominant polycystic disease.* Kidney International 42:1199-1209.

32. Evan, A.P., V.H. Gattone and **B.A. Connors**. (1992) *Ultrastructural features of the rabbit proximal tubule.* Archives of Histology and Cytology 55(supplement):139-145.

33. Rivers, R.L., J.A. McAteer, **B.A. Connors**, A. Evan and J.C. Williams. (1993) *Membrane water permeability of apical-out epithelial cysts derived from MDCK cells.* Biophysical Journal 64(2):A81. *abstract*

34. Rivers, R.L., J.A. McAteer, J.L. Clendenon, **B.A. Connors**, A.P. Evan and J.C. Williams. (1993) *Water and urea permeability of the water-tight apical membrane of renal epithelium.* Journal of the American Society of Nephrology 4(3):859. *abstract*

35. Burdmann, E.A., T. Andoh, J. Lindsley, A.P. Evan, **B.A. Connors**, T.M. Coffman, L.W. Elzinga and W.M. Bennett. (1993) *Effects of the blockade of the renin-angiotensin system (RAS) in a model of chronic cyclosporine A (CSA) nephrotoxicity.* Presented at the 12th Annual Meeting of the American Society of Transplant Physicians. *abstract*

36. Burdmann, E.A., T.F. Andoh, C. Nast, J. Lindsley, A. Evan, **B. Connors**, T. Coffman and W.M. Bennett. (1993) *Dissociation between functional and structural changes in chronic cyclosporine (CSA) Nephrotoxicity.* Journal of the American Society of Nephrology 4(3):751. *abstract*

37. **Connors, B.A.**, H.G. Bohlen and A.P. Evan. (1994) *Quantitation of the 3-dimensional changes observed in the vascular wall of diabetic rat intestinal vessels.* FASEB Journal 8(5):A1036(M30). *abstract*

38. **Connors, B.A.**, H.G. Bohlen and A.P. Evan. (1995) *Vascular endothelium and smooth muscle remodeling accompanies hypertrophy of intestinal arterioles in streptozotocin diabetic rats.* Microvascular Research 49(3):340-349.

39. Willis, L.R., A.P. Evan, **B.A. Connors** and J.E. Lingeman. (1995) *Kidney size as a determinant of shock-wave lithotripsy-induced impairment of renal hemodynamics.* Journal of the American Society of Nephrology 6(3):687. *abstract*

40. Evan, A.P., D.P. Henry, **B.A. Connors**, P. Summerlin and W-H. Lee. (1995) *Analysis of insulin-like growth factors (IGF)-I, & -II, type II IGF receptor and IGF-binding protein-2 mRNA and peptide levels in normal and nephrectomized rat kidney.* Kidney International 48(5):1517-1529.

41. Helveston, E.M., M. Oberlander, A.P. Evan, **B. Connors** and J. Clendenon. (1995) *Ultrastructure of the superior oblique tendon.* Journal of Pediatric Ophthalmology and Strabismus 32(5):315-316.

42. Evan, A.P., **B.A. Connors**, L.R. Willis, A. Trout and J.E. Lingeman. (1995) *Kidney size as a determinant of structural/functional injury following shock-wave treatment of pigs.* Journal of the Acoustical Society of America 98(5):2943. *abstract*

43. Burdmann, E.A., T.F. Andoh, C.C. Nast, A.P. Evan, **B.A. Connors**, T.M. Coffman, J. Lindsley and W.M. Bennett. (1995) *Prevention of experimental cyclosporine-induced interstitial fibrosis by losartan and enalapril.* American Journal of Physiology 269:F491-F499.

44. **Connors, B.A.**, A.P. Evan, V. Westmoreland, L.R. Willis and J.E. Lingeman. (1996) *Shock-wave lithotripsy adversely effects renal hemodynamics and tubular function in contralateral (untreated) kidneys following SWL treatment.* FASEB Journal 10(3):A375. *abstract*

45. **Connors, B.A.**, W-H. Lee, G. Wang, A.P. Evan and H.G. Bohlen. (1996) *Aldose reductase and IGF-I gene expression in aortic and arteriolar smooth muscle during hypo- and hyperinsulinemic diabetes.* Presented at the annual meeting of the Microcirculatory Society. *abstract*

46. Evan, A.P., L.R. Willis, **B.A. Connors** and J.E. Lingeman. (1996) *Effect of lesion size on the renal tubular and hemodynamic response to SWL in the at-risk kidney.* Journal of Urology 155(5):360A. *abstract*

47. Evan, A.P. and **B.A. Connors.** (1996) *Morphometric analysis of vascular smooth muscle cells by scanning electron microscopy.* International Review of Experimental Pathology 36:31-52.

48. Rivers, R.L., J.A. McAteer, J.L. Clendenon, **B.A. Connors**, A.P. Evan and J.C. Williams. (1996) *Apical membrane permeability of MDCK cells.* American Journal of Physiology 271:C226-C234.

49. Tanner, G.A., N. Gretz, **B.A. Connors**, A.P. Evan and M. Steinhausen. (1996) *Role of obstruction in autosomal dominant polycystic kidney disease in rats.* Kidney International 50:873-886.

50. Willis, L.R., A.P. Evan, **B.A. Connors** and J.E. Lingeman. (1996) *Relationship between kidney size and acute impairment of renal hemodynamics by shock wave lithotripsy in pigs.* In: Pak, C., Resnick, M. and Preminger, G. (eds.): Proceedings of the 8th International Symposium on Urotithiasis, Dallas: Millet The Printer, Inc. pp. 378-380.

51. Willis, L.R., A.P. Evan, **B.A. Connors** and J.E. Lingeman. (1996) *Effects of extracorporeal shock wave lithotripsy to one kidney on bilateral glomerular filtration rate and PAH clearance in minipigs.* Journal of Urology 156:1502-1506.

52. **Connors, B.A.**, S. Youzhi, A.P. Evan, L.R. Willis, J.E. Lingeman and D.A.Lifshitz. (1996) *Morphological changes observed in the renal vasculature immediately following shock-wave lithotripsy.* Journal of the American Society of Nephrology 7(9):1730. *abstract*

53. Evan, A.P., **B.A. Connors**, J.E. Lingeman, P. Blomgren and L.R. Willis. (1996) *Branching patterns of the renal artery of the pig.* The Anatomical Record 246(2):217-223.

54. Evan, A.P., D.A. Lifshitz, **B.A. Connors**, L.R. Willis, J.E. Lingeman, R.O. Cleveland and L.A. Crum. (1996) *In-vivo measurements of lithotripsy shock waves in pigs.* Journal of Endourology 10:S57. *abstract*

55. Cleveland, R.O., L.A. Crum, D.A. Lifshitz, **B.A. Connors** and A.P. Evan. (1996) *In vivo measurements of lithotripsy shock waves in pigs.* Journal of the Acoustical Society of America 100(4):2617. *abstract*

56. Willis, L.R., A.P. Evan, **B.A. Connors**, N.S. Fineberg and J.E. Lingeman. (1997) *Effects of SWL on glomerular*

filtration rate and renal plasma flow in uninephrectomized minipigs. Journal of Endourology 11(1):27-32.

57. **Connors, B.A.**, W-H. Lee, G-M. Wang, A.P. Evan and H.G. Bohlen. (1997) *Aldose reductase and IGF-1 gene expression in aortic and arteriolar smooth muscle during hypo- and hyperinsulinemic diabetes.* Microvascular Research 53:53-62.

58. **Connors, B.A.**, S. Youzhi, A.P. Evan, L.R. Willis, J.E. Lingeman, A. Trout and D.A. Lifshitz. (1997) *Shock-wave lithotripsy induced acute ultrastructural changes in the renal vasculature of the pig.* Journal of Urology 157(4):S33. *abstract*

59. Willis, L.R., A.P. Evan, **B.A. Connors** and J.E. Lingeman. (1997) *Dose-response relationship between shock wave voltage and renal tubular impairment.* Journal of Urology 157(4):S85. *abstract*

60. Willis, L.R., A.P. Evan, **B.A. Connors**, N.S. Fineberg and J.E. Lingeman. (1997) *Kidney size as a determinant of shock-wave lithotripsy-induced impairment of renal hemodynamics.* Journal of Urology 157(4):S207. *abstract*

61. Evan, A.P., P.M. Blomgren, **Connors, B.A.**, L.R. Willis, and J.E. Lingeman. (1997) *Quantitation of renal lesion induced by shock wave lithotripsy (SWL) in small vs large pig kidneys.* Journal of Urology 157(4):S249. *abstract*

62. **Connors, B.A.**, A.P. Evan, L.R. Willis, V. Westmoreland and J.E. Lingeman. (1997) *Change in regional renal tubular function following shock-wave lithotripsy.* Journal of Urology 157(4):S410. *abstract*

63. Lifshitz, D.A., J.C. Williams, B. Sturtevant, **B.A. Connors**, A.P. Evan and J.A. McAteer. (1997) *Quantitation of shock-wave cavitation damage in-vitro.* Ultrasound in Medicine and Biology 23(3):461-471.

64. Blomgren, P., **B.A. Connors**, J.E. Lingeman, L.R. Willis and A.P. Evan. (1997) *Quantitation of shock wave lithotripsy-induced lesion in small and large pig kidneys.* Anatomical Record 249(3):341-348.

65. Cleveland, R.O., L.A. Crum, D.A. Lifshitz, **B.A. Connors**, L.R. Willis and A.P. Evan. (1997) *B-scan ultrasound minitoring of cavitation activity in and around the kidney during shock wave lithotripsy.* Journal of the Acoustical Society of America 102:3154. *abstract*.

66. Cleveland, R.O., D.A. Lifshitz, **B.A. Connors, A.P. Evan, L.R. Willis and L.A. Crum. (1998)** ***In vivo*** *measurements of lithotripsy shock waves in pigs.* Ultrasound in Medicine and Biology 24(2):293-306.

67. **Connors, B.A.**, A.P. Evan, L.R. Willis, J.A. McAteer, J.E. Lingeman, R.O. Cleveland, M. Bailey and L.A. Crum. (1998) *Separation of SWL-induced cavitation and renal injury from impairment of renal hemodynamics.* Journal of Urology 159(5):S32. *abstract*.

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SUBMITTED ABSTRACTS AND PAPERS

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