

CURRICULUM VITAE

Bracken James De Witt

EDUCATION

Undergraduate

Tulane University School of Engineering B.S.E. 1988-1992
Majors: Mechanical Engineering
Pharmacology

Graduate

Indiana University School of Medicine M. D. 1995-1999

Tulane University Graduate School Ph. D. 1992-1996
Pharmacology

Graduate Medical

Johns Hopkins University Medical Center 2000-2003
Department of Anesthesiology & Critical Care Medicine
Anesthesiology Resident

Tulane University Medical Center 1999-2000
Department of Family and Community Medicine
Transitional Resident

PROFESSIONAL LICENSES/CERTIFICATIONS

Louisiana Medical License #026342 Active
Indiana Medical License #01057215A Active
ACLS/BLS 2003

PROFESSIONAL APPOINTMENTS

Anesthesiologist 2003-Present
Delaware County Anesthesiologists
Muncie, Indiana

Adjunct Assistant Professor 1999-Present
Department of Anesthesiology and Pain Management
Texas Tech University
Lubbock, Texas

AWARDS, HONORS AND COMMITTEES

Alternate Delegate, Indiana Indiana Society of Anesthesiologists American Society of Anesthesiologists	2004-2005
Director, Board of Directors Indiana Society of Anesthesiologists	2004-2005
Member, Board of Directors Political Action Committee American Society of Anesthesiologists	2003-2004
Member, Subcommittee on Experimental Circulation American Society of Anesthesiologists	2003-2004
Member, Committee on Governmental Affairs American Society of Anesthesiologists	2003-2004
Member, Subcommittee on Anesthetic Action & Biochemistry American Society of Anesthesiologists	2002-2003
Member, Committee on Residents and Medical Students American Society of Anesthesiologists	2002-2003
Member, Committee on Research American Society of Anesthesiologists	2002-2003
Member, Committee on Membership American Society of Anesthesiologists	2002-2003
Chair, Resident Component American Society of Anesthesiologists	2002-2003
Finalist, Residents' Research Contest NYSSA, PGA 56	2002
Chair-Elect, Resident Component American Society of Anesthesiologists	2001-2002
Alternate Delegate, Resident Component Maryland Society of Anesthesiologists	2000-2001
University Grievance Committee Tulane University Medical Center	1999-2000
Educational Enhancement Award Indiana University	1998
Graduate School Research Travel Award Indiana University	1997
Hoffmann-Laroche Graduate Student Award Pharmacology '95	1995
President, College Department FBCNO	1994-1995
President, Graduate Students Department of Pharmacology Tulane University Graduate School	1994-1995
Tulane Dean's Fellowship Tulane University Medical School	1992-1995
Graduate School Tuition Scholarship Tulane University Graduate School	1992-1995
Student of the Week Tulane University	1992
Dean's List Tulane University School of Engineering	1991-1992

Numerous Presentations at Local, State, and National Meetings
Available on Request

1992-2004

PROFESSIONAL ORGANIZATIONS

American College of Physicians
American Lung Association
American Medical Association
American Physiological Society
American Society of Anesthesiologists
American Society of Regional Anesthesia and Pain Medicine
American Society for Pharmacology and Experimental Therapeutics
American Thoracic Society
Indiana State Medical Association
Indiana Society of Anesthesiologists
International Anesthesia Research Society

TEACHING EXPERIENCE

Indianapolis Public School Substitute Teacher, Indianapolis 1989-1992
Educational Resource Center, Tutor, New Orleans 1990
Medical Pharmacology Tutor and Instructor, New Orleans 1993-95, 99, 2000
Drugs and their Actions (Chemistry 305), Lecturer, New Orleans 1993-95, 99, 2000
Holy Cross College, Lecturer, New Orleans 1995
Medical Student Research Mentor, Indianapolis 1996-1999
Medical Student Anesthesia Elective, Baltimore 2001-2003

JOURNAL REVIEWS

Ad Hoc Reviewer for American Journal of Physiology, American Journal of Respiratory and Critical Care Medicine, Circulation, Circulation Research, European Journal of Pharmacology, Hypertension, Life Sciences, Journal of Applied Physiology, Journal of Cardiovascular Pharmacology, Peptides.

Reviewer Board,
Current Opinion in Clinical Experimental Research 1999-Present
Current Opinion in European Medicine 2000-Present

Editorial Board,
American Society of Anesthesiologists Web Site 2002-Present

RESEARCH PUBLICATIONS (PEER REVIEWED)

1. Cheng, D.Y., T.J. McMahon, **B.J. De Witt**, G.C. Carroll, S.S. Lee, W.A. Murphy, K.G. Bitar, D.H. Coy, P.J. Kadowitz. Comparison of responses to PACAP-38, PACAP-27, and VIP in the Pulmonary Vascular Bed of the Cat. Eur. J. Pharmacol. 243: 79-82, 1993.
2. Cheng, D.Y., **B.J. De Witt**, E.L. Dent, B.D. Nossaman, P.J. Kadowitz. Analysis of Responses to Angiotensin IV in the Pulmonary Vascular Bed of the Cat. Eur. J. Pharmacol. 261: 223-227, 1994.
3. Cheng, D.Y., **B.J. De Witt**, M. Wegmann, D.H. Coy, K.G. Bitar, W.A. Murphy, P.J. Kadowitz. Synthetic Human Adrenomedullin has Potent, Short-Lived Vasodilator

- Activity in the Pulmonary Vascular Bed of the Cat. Life Sciences 55(14): 251-256, 1994.
4. **De Witt, B.J.**, D.Y. Cheng, G.N. Caminiti, B.D. Nossaman, D.H. Coy, W.A. Murphy, P.J. Kadowitz. Comparison of Responses to Adrenomedullin and Calcitonin Gene-Related Peptide in the Pulmonary Vascular Bed of the Cat. Eur. J. Pharmacol. 257: 303-306, 1994.
 5. Cheng, D.Y., **B.J. De Witt**, T.J. McMahon, P.J. Kadowitz. Comparative Effects of L-NNA and alkyl esters of L-NNA on Pulmonary Vasodilator Responses to Ach, BK, and SP. Am. J. Physiol. 266(35): H2416-H2422, 1994.
 6. **De Witt, B.J.**, D.Y. Cheng, T.J. McMahon, B.D. Nossaman, P.J. Kadowitz. Analysis of Responses to Bradykinin in the Pulmonary Vascular Bed of the Cat. Am. J. Physiol. 266(35): H2256-H2267, 1994.
 7. Cheng, D. Y., **B.J. De Witt**, T.J. McMahon, P.J. Kadowitz. Analysis of Responses to Angiotensin I, II and III in the Pulmonary Vascular Bed of the Cat Am. J. Physiol. 266(35): H2247-H2255, 1994.
 8. **De Witt, B.J.**, D.Y. Cheng, P.J. Kadowitz. Des-Arg⁹-Bradykinin Produces Tone-Dependent Kinin B₁-Receptor-Mediated Responses in the Pulmonary Circulation. Circ. Res. 75: 1064-1072, 1994.
 9. Kaye, A.D., B.D. Nossaman, I.N. Ibrahim, **B.J. De Witt**, C.J. Feng, P. J. Kadowitz. Effects of GR32981 on Thromboxane Receptor Mediated Responses in the Pulmonary Vascular Bed of the Cat. Crit. Care Med. 23(1): 164-170, 1995.
 10. Nossaman, B.D., C.J. Feng, D.Y. Cheng, **B.J. De Witt**, D.H. Coy, W.A. Murphy, P.J. Kadowitz. Comparative Effects of Adrenomedullin, an Adrenomedullin Analog, and CGRP in the Pulmonary Vascular Bed of the Cat and Rat. Life Sciences 56(3): 63-66, 1995.
 11. Kaye, A.D., B.D. Nossaman, S. Kivlighn, I.N. Ibrahim, **B.J. De Witt**, P.J. Kadowitz. Responses to L-163,491, a Non-Peptide Angiotensin II Mimic, in the Pulmonary Vascular Bed of the Cat. Eur. J. Pharmacol. 287: 163-168, 1995.
 12. Cheng, D.Y., **B.J. De Witt**, C.F. Neely, F. Suzuki, P.J. Kadowitz. Adenosine A₁ and A₂ Receptors Mediate Tone-Dependent Responses in the Feline Pulmonary Bed. Am. J. Physiol. 270(39): H200-H207, 1996.
 13. Nossaman, B.D., C.J. Feng, A.D. Kaye, **B.J. De Witt**, D.H. Coy, W.A. Murphy, P.J. Kadowitz. Pulmonary Vasodilator Responses to Adrenomedullin are Reduced by NOS Inhibitors in Rats but not in Cats. Am. J. Physiol. 270(14): L782-L789, 1996.
 14. Smith, D.E., A.D. Kaye, B. Kang, C.J. Feng, **B.J. De Witt**, P.J. Kadowitz, B.D. Nossaman. Influence of HOE-140, a Bradykinin Receptor Antagonist, in the Isolated Mesenteric Vascular Bed of the Rat. Am. J. Ther. 3(7): 479-483, 1996.
 15. **De Witt, B.J.**, D.Y. Cheng, T.J. McMahon, J.R. Marrone, H.C. Champion, P.J. Kadowitz. Effects of U-37883A, a Vascular Selective K⁺_{ATP} Channel Antagonist, in the Pulmonary and Hindlimb Circulation. Am. J. Physiol. 271(15): L924-L931, 1996.
 16. Kaye, A.D., B.D. Nossaman, D.E. Smith, **B.J. De Witt**, M. Steinberg, I.I. Ibrahim, P.J. Kadowitz. Inhibitory Effects of LY-301,875 on Responses to Angiotensin II in the Pulmonary Vascular Bed of the Cat. Am. J. Ther. 3(8): 568-573, 1996.

17. **De Witt, B.J.**, J.R. Marrone, D.B. McNamara, T.D. Giles, S.S. Greenberg, P.J. Kadowitz. Differential Effects of L-N⁵-(1-iminoethyl) ornithine on Tone and Endothelium-Dependent Vasodilator Responses. Am. J. Physiol. 273(17): L588-L594, 1997.
18. Presson, R.G., Jr., T.M. Todoran, **B.J. De Witt**, I.F. McMurtry, W.W. Wagner, Jr. Capillary Recruitment and Transit Time in the Rat Lung. J. Appl. Physiol. 83(2): 543-549, 1997.
19. Kaye, A.D., B.D. Nossaman, J.A. Santiago, **B.J. De Witt**, I.N. Ibrahim, P.J. Kadowitz. Differential Effects of the Thromboxane Mimic, U-46619, in the Pulmonary and Hindquarters Vascular Bed of the Cat. Eur. J. Pharmacol. 340: 187-193, 1997.
20. Banister, R.E., T. Davis, **B.J. De Witt**, A.D. Kaye. Review: Aspiration Pneumonia - Basic Science Providing Vital Information for Clinical Medicine. Curr. Opin. Clin. Exp. Res. 2: 87-99, 2000.
21. Kaye, A.D., **B.J. De Witt**, M. Anwar, D.E. Smith, C.J. Feng, P.J. Kadowitz, B.D. Nossaman. Analysis of Responses of Garlic Derivatives in the Pulmonary Vascular Bed of the Rat. J. Appl. Physiol. 89: 353-358, 2000.
22. **De Witt, B.J.**, E.A. Garrison, H.C. Champion, P.J. Kadowitz. L-163,491 is a Partial Angiotensin AT₁ Receptor Antagonist in the Hindquarters Vascular Bed of the Cat Eur. J. Pharmacol. 404: 213-219, 2000.
23. **De Witt, B.J.**, J.R. Marrone, P.J. Kadowitz. Comparison of Responses to Siguazodan, Rolipram, and Zaprinast in the Feline Pulmonary Vascular Bed. Eur. J. Pharmacol. 406: 233-238, 2000.
24. **De Witt, B.J.**, A.D. Kaye, I.N. Ibrahim, R.E. Banister, A.S. Arif, B.D. Nossaman. Effects of Protein Kinase C Isozyme Inhibitors on Constrictor Responses in the Feline Pulmonary Vascular Bed. Am. J. Physiol. 280: L50-L57, 2001.
25. Hyman, A.L., **B.J. De Witt**, B. Gumusel, Q. Hao, P.J. Kadowitz, H.L. Lippton. L-NAME Enhances Responses to Atrial Natriuretic Peptide in the Pulmonary Vascular Bed of the Cat. J. Appl. Physiol. 90: 2101-2108, 2001.
26. **De Witt, B.J.**, A.D. Kaye, I.N. Ibrahim, B.D. Nossaman. Influence of Bisindolylmaleimide I on Constrictor Responses in the Pulmonary Vascular Bed of the Cat. Curr. Opin. Clin. Exp. Res. 3: 162-171, 2001.
27. Bivalacqua, T.J., H.C. Champion, **B.J. De Witt**, J.E. Saavedra, J.A. Hrabie, L.K. Keefer, P.J. Kadowitz. Analysis of Vasodilator Responses to Novel Nitric Oxide Donors in the Hindquarters Vascular Bed of the Cat. J. Cardiovasc. Pharmacol. 38(1): 120-129, 2001.
28. Kaye, A.D., K.S. Kaye, **B.J. De Witt**, A. Fields, T. Richards. Chemotaxis in Eukaryotic Cells. Chem. Mig. 2(2): 28-34, 2001.
29. **De Witt, B.J.**, J.R. Marrone, A.D. Kaye, L.K. Keefer, P.J. Kadowitz. Comparison of Responses to Novel Nitric Oxide Donors in the Feline Pulmonary Vascular Bed. Eur. J. Pharmacol. 430: 311-315, 2001.
30. **De Witt, B.J.**, I.N. Ibrahim, E. Bayer, A.M. Fields, T.A. Richards, R.E. Banister, A.D. Kaye. Analysis of Responses to Levosimendan in the Pulmonary Vascular Bed of the Cat. Anes. Analg. 94: 1427-1433, 2002.
31. Bivalacqua, T.J., H.C. Champion, M.K. Shah, **B.J. De Witt**, E.W. Inscho, P.J. Kadowitz. Comparative Responses to α , β -methylene-ATP in the Pulmonary,

- Mesenteric, and Hindquarters Vascular Bed of the Cat. J. Appl. Physiol. 93(4): 1287-1295, 2002.
32. Fields, A.M., A.D. Kaye, T.A. Richards, I.N. Ibrahim, J.E. Heavner, **B.J. De Witt**, E.Z. Bayer. Pulmonary Vascular Responses to Ma Huang Extract. J. Altern. Complement. Med. 9(5): 727-733, 2003.
 33. Nossaman, B.D., P.A. Dabisch, J.T. Liles, S.R. Baber, H.C. Champion, A.D. Kaye, C.J. Feng, M. Anwar, T.J. Bivalacqua, J.A. Santiago, **B.J. De Witt**, P.J. Kadowitz. Peroxyntirite does not Impair Pulmonary and Systemic Vascular Responses. J. Appl. Physiol. 96(2): 455-462, 2004
 34. Dull, R.O., **B.J. De Witt**, R. Dinavahi, L. Schwartz, C. Hubert, N. Pace, C. Fronticelli. Quantitative Assessment of Hemoglobin-Induced Endothelial Barrier Dysfunction. J. Appl. Physiol. 97(5): 1930-1937, 2004.
 35. **De Witt, B.J.**, R. Dinavahi, J.G.N. Garcia, R.O. Dull. Effects of Bradykinin on Indices of Pulmonary Permeability: Comparison of Macrovascular and Microvascular Cells. (Submitted AJP 2004).
 36. Kaye, A.D., R.E. Banister, **B.J. De Witt**, M. Anwar, M. Duban, R. Sabar, S. Arif, R. Hofbauer. Review: Basic Science Meets Clinical Science--Fast-tracking the Neurosurgical patient, the role for newer inhalational agents. Curr. Opin. Clin. Exp. Res. (In Press).

ABSTRACTS

1. McMahon, T.J., R.K. Minkes, T.M. Spottswood, **B.J. De Witt**, L.J. Ignarro, P.J. Kadowitz Influence of Zaprinast (M&B 22,948) on Pulmonary Vascular Tone and Responses to Endogenously Released and Exogenous Acetylcholine. Circ. 86(6): 4, 1992.
2. Ibrahim, I.N., D.Y. Cheng, T.J. McMahon, S.Y. Osei, **B.J. De Witt**, A.D. Kaye, P.J. Kadowitz, B.D. Nossaman Influence of DuP 532 on Vasoconstrictor Responses to Angiotensin II in the Pulmonary Vascular Bed of the Cat. FASEB J. 7(3): 3139, 1993.
3. Santiago, J.A., G.S. Carroll, **B.J. De Witt**, D.Y. Cheng, T.J. McMahon, P.J. Kadowitz Comparison of Responses to Felodipine and Lemakalim in the Pulmonary and Hindquarters Vascular Beds of the Cat. The Pharmacologist 35(3): 178, 1993.
4. **De Witt, B.J.**, T.J. McMahon, D.Y. Cheng, I.N. Ibrahim, B.D. Nossaman, P.J. Kadowitz Inhibitory Effects of HOE 140 on Responses to Bradykinin in the Pulmonary Vascular Bed of the Cat. FASEB J. 7(4): 4969, 1993.
5. McMahon, T.J., R.K. Minkes, **B.J. De Witt**, S.Y. Osei, T.R. Higuera, P.J. Kadowitz Different Mechanisms Underlie Vasodilator Responses to Adenosine Triphosphate (ATP) in the Pulmonary and Systemic Vascular Beds: Role of Endothelium-Derived Relaxing Factor. FASEB J. 7(3): 285, 1993.
6. Minkes, R.K., T.J. McMahon, J.A. Santiago, T.R. Higuera, W.A. Murphy, D.H. Coy, **B.J. De Witt**, S.S. Lee, P.J. Kadowitz Cardiovascular and Pulmonary Vascular Effects of Pituitary Adenylate Cyclase Activating Polypeptide: Role of Adrenal Catecholamines. FASEB J. 7(3): 2406, 1993.
7. Carroll, G.S., **B.J. De Witt**, D.Y. Cheng, T.J. McMahon, B.D. Nossaman, P.J. Kadowitz Comparison of Responses to Felodipine and Lemakalim in the Pulmonary Vascular Bed of the Cat. FASEB J. 7(3): 1099, 1993.

8. Lee, S.S., J.A. Santiago, W.A. Murphy, D.H. Coy, S.Y. Osei, **B.J. De Witt**, T.J. McMahon, T.R. Higuera, P.J. Kadowitz Comparison of the Effects of PACAP 27, PACAP 38 and VIP in the Hindquarters and Pulmonary Vascular Beds of the Cat. FASEB J. 7(3): 3764, 1993.
9. **De Witt, B.J.**, T.J. McMahon, J.A. Santiago, D.Y. Cheng, M. Wegmann, J.A. Bellan, P.J. Kadowitz Role of Adrenal Catecholamines in the Pulmonary Vasoconstrictor Response to the Nitric Oxide Synthase Inhibitor N⁰-nitro-L-arginine methyl ester. Circ. 88(8): 478, 1993.
10. Kaye, A.D., B.D. Nossaman, I.N. Ibrahim, **B.J. De Witt**, C.J. Feng, P.J. Kadowitz Influence of the Protein Kinase-C Inhibitor Staurosporine on Vasoconstrictor Responses in the Pulmonary Vascular Bed of the Cat. FASEB J. 8(4): 2218, 1994.
11. Cheng, D.Y., **B.J. De Witt**, T.J. McMahon, J.A. Santiago, E.A. Garrison, P.J. Kadowitz Comparison of Vasoconstrictor Responses to Angiotensin I, II, III in the Pulmonary Vascular Bed of the Cat. FASEB J. 8(4): 244, 1994.
12. Garrison, E.A., J.A. Santiago, D.Y. Cheng, **B.J. De Witt**, A.R. Maldonado, W. Purnell, V. Ventura, P.J. Kadowitz Inhibitory Effects of L-158,809 on Responses to Angiotensin I, II, III in the Feline Hindquarters Vascular Bed. FASEB J. 8(5): 5022, 1994.
13. **De Witt, B.J.**, T.J. McMahon, D.Y. Cheng, M. Wegmann, E.A. Garrison, J.A. Santiago, P.J. Kadowitz Mechanism of Vasodilator Responses to Bradykinin in the Pulmonary Vascular Bed of the Cat. FASEB J. 8(5): 5914, 1994.
14. Santiago, J.A., E.A. Garrison, **B.J. De Witt**, D.Y. Cheng, W. Purnell, V. Ventura, P.J. Kadowitz Mechanism of Vasodilator Responses to Bradykinin in the Feline Hindquarter Vascular Bed: Role of Nitric Oxide. FASEB J. 8(5): 5009, 1994.
15. Kadowitz, P.J., **B.J. De Witt**, T.J. McMahon, D.Y. Cheng, E.L. Dent, M. Wegmann, E.A. Garrison, J.A. Santiago Comparison of Inhibitory Effects of L-NA, L-NAME, and L-NABE on Feline Pulmonary Vasodilator Responses. FASEB J. 8(4): 2106, 1994.
16. McMahon, T.J., J.A. Santiago, **B.J. De Witt**, D.Y. Cheng, E.A. Garrison, E.L. Dent, V. Ventura, W. Purnell, P.J. Kadowitz Comparison of Responses to PACAP-38, PACAP-27, and VIP in the Pulmonary and Systemic Vascular Beds of the Cat. FASEB J. 8(4): 243, 1994.
17. Kadowitz, P.J., D.Y. Cheng, E.A. Garrison, **B.J. De Witt**, H.C. Champion, R.E. Smith, J.A. Santiago Comparison of Responses to PACAP-38 in the Pulmonary and Systemic Vascular Beds of the Cat. Can. J. Physiol. Pharmacol. 72 (4): 19, 1994.
18. Santiago, J.A., R.E. Smith, H.C. Champion, E.A. Garrison, **B.J. De Witt**, D.H. Coy, K.G. Bitar, W.A. Murphy, D.Y. Cheng, P.J. Kadowitz Comparison of Responses to Adrenomedullin (ADM), ADM 15-52 and CGRP in the Cat Hindlimb. Can. J. Physiol. Pharmacol. 72 (4): 42, 1994.
19. **De Witt, B.J.**, S.S. Greenberg, T.D. Giles, P.J. Kadowitz Differential Effects on Tone and Vasodilator Responses to L-NAME and L-NIO in the Pulmonary Vascular Bed of the Cat. FASEB J. 9(3): 758, 1995.
20. Marrone, J.R., **B.J. De Witt**, D.Y. Cheng, P.J. Kadowitz Comparison of Adrenomedullin and Related Peptides in the Pulmonary Vascular Bed. Nat. Student Res. Forum 36: B-3, 1995. George I. Ellis Memorial Award Winner in Pharmacology.

21. **De Witt, B.J.**, S.S. Greenberg, T.D. Giles, D.B. McNamara, P.J. Kadowitz Comparative Effects of L-NAME and L-NIO in the Pulmonary Vascular Bed of the Cat. First European Congress of Pharmacology, Milan, Italy EPHAR 1: 12, 1995.
22. Baranco, B.N., J.A. Santiago, H.C. Champion, **B.J. De Witt**, P.J. Kadowitz Analysis of Responses to Kallidin and T-Kinin in the Hindlimb Vascular Bed of the Cat. FASEB J. 10(3): 4013, 1996.
23. Santiago, J.A., H.C. Champion, E.A. Garrison, **B.J. De Witt**, C.C. Erickson, P.J. Kadowitz Des-Arg⁹-Bradykinin and Des-Arg¹⁰-Kallidin Mediate Vasodilation by B₁ Receptors in the Hindlimb Vascular Bed of the Cat. FASEB J. 10(3): 4012, 1996.
24. Marrone, J.R., **B.J. De Witt**, M. Hsu, H.C. Champion, D.C. Underwood, P.J. Kadowitz Comparison of Vasodilator Responses to Siguazodan, Rolipram, and Zaprinast in the Pulmonary Vascular Bed of the Cat. FASEB J. 10(3): 613, 1996.
25. Hsu, M., **B.J. De Witt**, D.Y. Cheng, T.J. McMahon, J.R. Marrone, P.J. Kadowitz Analysis of the Effects of U-37883A, a Novel K⁺_{ATP} Channel Antagonist, in the Pulmonary Vascular Bed. Resp. Crit. Care Med. 153(4): A819, 1996.
26. Kadowitz, P.J., **B.J. De Witt**, D.B. McNamara Differential Effects of L-N⁵-(1-iminoethyl) ornithine on Tone and Endothelium-Dependent Vasodilator Responses in the Pulmonary Vascular Bed of the Cat. J. Vasc. Res. 33(S2) 47, 1996.
27. Presson Jr., R.G., T.M. Todoran, **B.J. De Witt**, B.R. Bunton, G.M. Zenk, W.W. Wagner Jr. Pulmonary Capillary Transit Time in the Rat. Resp. Crit. Care Med. 153(4): A817, 1996.
28. **De Witt, B.J.**, R.G. Presson Jr., M.T. Giannini, W.M. Wilson, W.W. Wagner Jr. Angiotensin II Constricts Pulmonary Microvessels FASEB J. 11(3): 1990, 1997.
29. Shah, M.K., D.G. Lambert, H.C. Champion, M.A. Czapla, **B.J. De Witt**, E.W. Inscho, P.J. Kadowitz Vascular Responses to α,β methyl-ATP, a P_{2x} Selective Agonist, are Organ Dependent in the Cat. FASEB J. 11(3): 2917, 1997.
30. **De Witt, B.J.**, W.M. Wilson, M.T. Giannini, R.G. Presson Jr., W.W. Wagner Jr. Angiotensin I Converting Enzyme Acts Upstream From the Pulmonary Microcirculation. Am. J. Resp. Crit. Care Med. 155(4): A114, 1997.
31. **De Witt, B.J.**, W.A. Baumgartner Jr., A.J. Peterson, R.G. Presson Jr., W.W. Wagner Jr. Intact Bradykinin Constricts Pulmonary Arterioles in the Rat. Am. J. Resp. Crit. Care Med. 155(4): A787, 1997.
32. Peterson, A.J., A.M. Lindeman, **B.J. De Witt**, W.A. Baumgartner Jr., W.W. Wagner Jr. Serotonin Constricts Pulmonary Microvessels. FASEB J. 12(5): 5273, 1998.
33. Haseltine, M.A., H.C. Champion, B.E. Winthrop, T.J. Bivalacqua, M.K. Shah, J.R. Marrone, **B.J. De Witt**, P.J. Kadowitz. NO Release and the Opening of K⁺_{ATP} Channels Mediate Vasodilator Responses to Histamine in the Rat. FASEB J. 13(4): 367.12, 1999.
34. **De Witt, B.J.**, A.D. Kaye, I.N. Ibrahim, B.D. Nossaman. Effects of Bisindolylmaleimide on Vasoconstrictor Responses in the Pulmonary Vascular Bed. FASEB J. 13(5): 825.2, 1999.
35. Kaye, A.D., **B.J. De Witt**, I.N. Ibrahim, B.D. Nossaman. Influence of Protein Kinase C Isozyme Inhibitors on Vasoconstrictor Responses in the Pulmonary vascular Bed of the Cat. FASEB J. 13(5): 825.3, 1999.

36. Kaye, A.D., **B.J. De Witt**, H.C. Champion, J.A. Youngberg. Vasodilator Activity of Naloxone in the Pulmonary Circulation of the Rat: Influence of μ , κ , and δ Opioid Receptors. 12th World Congress of Anaesthesiologists, World Congress Book of Abstracts 2000.
37. Hyman, A.L., **B.J. De Witt**, B. Gumunsel, Q. Hao, P.J. Kadowitz, H.L. Lippton. L-NAME Enhances Responses to Atrial Natriuretic Peptide in the Pulmonary Vascular Bed of the Cat. FASEB J. 14: 8-A3, 2000.
38. **De Witt, B.J.**, J.R. Marrone, P.J. Kadowitz Comparison of Responses to Siguzodan, Rolipram, and Zaprinast in the Feline Pulmonary Vascular Bed. 12th Annual Health Research Day, Tulane University Health Research Program Book 2000.
39. Hyman, A.L., **B.J. De Witt**, B. Gumunsel, Q. Hao, P.J. Kadowitz, H.L. Lippton. Atrial Natriuretic Peptide Responses are Enhanced by L-NAME in the Pulmonary Vascular Bed of the Cat. ASPET J. (supplement) 2000.
40. **De Witt, B.J.**, A.D. Kaye, I.N. Ibrahim, B.D. Nossaman. Analysis of Responses to Defibrotide in the Feline Pulmonary Vascular Bed. Anesthesiology, ASA Abstracts A-599, 2000.
41. Kaye, A.D., **B.J. De Witt**, I.N. Ibrahim, B.D. Nossaman. Analysis of Responses to Levosimendan in the Pulmonary Vascular Bed of the Cat. Anes. Analg. 92(2S): S315, 2001.
42. Fields, A.M., I.N. Ibrahim, T.A. Richards, **B.J. De Witt**, A.D. Kaye. Valerian is Mediated by a GABA Sensitive Pathway in the Feline Pulmonary Vascular Bed. Anes. Anal. 94(2S): S23, 2002.
43. Fields, A.M., T.A. Richards, I.N. Ibrahim, **B.J. De Witt**, R. Hofbauer, A.D. Kaye. A Proposed Mechanism of Action for the Treatment of Pulmonary Hypertension Using the Opioid Remifentanyl-A Study in the Feline Pulmonary Vascular Bed. Anes. Anal. 94(2S): S24, 2002.
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