

Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: Dr. William Banner, Jr., MD, PhD		
2. Your Title: Medical Director of the Oklahoma Center for Poison & Drug Information Board President of the American Association of Poison Control Centers		
3. The Entity(ies) You are Representing: American Association of Poison Control Centers		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No X
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2015. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. The Oklahoma Center for Poison & Drug Information has been a HRSA-Poison Control Program grant recipient in the following amounts for the noted years: 		
6. Please attach your curriculum vitae to your completed disclosure form.		

Signature: _____

Date: 3/19/18

CURRICULUM VITAE

Personal Data

Name: William Banner, Jr., M.D., Ph.D.

Date of Birth: May 29, 1952

Place of Birth: Detroit, Michigan, U.S.A.

Home Address:

[REDACTED]

Office Address:

[REDACTED]

Current Position

Attending Physician, Pediatric ICU,
Baptist Integris Medical Center, Oklahoma City, OK 2009-
current
Medical Director, The Oklahoma Center for Poison and Drug
Information - 2000-current

Education

01/1979 - 06/1981	Fellow, Clinical Pharmacology, Department of Internal Medicine, and Pediatrics, Arizona Health Sciences Center, University of Arizona, Tucson, Arizona
01/1977 - 12/1978	Residency (Straight Pediatrics), LeBonheur Children's Hospital, University of Tennessee, Memphis, Tennessee
06/1979 - 08/1982	Ph.D., Department of Pharmacology, College of Medicine, University of Arizona, Dissertation Title: "Changes in Vascular Alpha-Adrenergic Receptor Mechanisms During Maturation" Director: Sue Piper Duckles, Ph.D.
01/1974 - 12/1976	M.D., University of Tennessee College of Medicine, Memphis, Tennessee
1971 - 1973	B.S., Physical Science (cum laude), Memphis State University
1970 - 1971	Georgia Institute of Technology, Atlanta, Georgia

Medical Licensures and Professional Certification

1990-1997 1997-2004 2005-2011 2011-2018	Diplomate - Pediatric Critical Care Medicine
1984	Diplomate - American Board of Pediatrics
1981	Diplomate - American Board of Medical Toxicology
2003	Advanced Hazardous Life Support Instructor
1994	Oklahoma - 19204
1987	Utah - 8579-1001-4 (inactive)
1979	Arizona – 11132 (inactive)
1976	Tennessee – 10328 (inactive)

Faculty Appointments

02/2015 to present	Consultant- Southwest Center for Pediatric Environmental Health (SWCPEH) – Pediatric Environmental Health Specialty Units (EPA)
07/2006 to present	Adjunct Clinical Professor of Pediatrics, Oklahoma State University-College of Osteopathic Medicine
07/1999 – 2009	Clinical Professor of Pediatrics, Oklahoma University College of Medicine-Tulsa
01/2000 - present	Adjunct Professor of Pharmacy, Oklahoma University College of Pharmacy-Tulsa
08/1995 - 1999	Clinical Associate Professor of Pediatrics, Oklahoma University College of Medicine-Tulsa
01/1991 - 1994	Adjunct Associate Professor of Pharmacology and Toxicology University of Utah Medical Center, Salt Lake City, Utah
06/1987 - 1994	Associate Professor of Pediatrics, Division of Critical Care University of Utah Medical Center, Salt Lake City, Utah
08/1982 - 04/1987	Assistant Professor, Department of Pediatrics, College of Medicine, University of Arizona
08/1982 - 04/1987	Assistant Professor, Department of Pharmacology, College of Medicine, University of Arizona
06/1983 - 04/1987	Adjunct Assistant Professor, Department of Pharmacy Practice, College of Pharmacy, University of Arizona, Tucson, Arizona
04/1979 - 08/1982	Lecturer, Department of Pediatrics, Arizona Health Sciences Center, University of Arizona, Tucson, Arizona

Scholastic Honors and Awards

Fellow - American Academy of Pediatrics, 1984
Fellow - American Academy of Clinical Toxicology, 1987

Fellow - Society of Critical Care Medicine, 1992
Fellow - American College of Medical Toxicology

AAPCC Symposium: Mosquitoes, Zika, and Pesticides – Wednesday, September 14th
2016 . Presented at the North American Congress of Clinical Toxicology , Boston MA William
Banner, MD, PhD Framing the Problem: Some History of Mosquito-Borne Disease

9th Annual ACMT Spring Conference March 18-20, 2011 Presidential Keynote Address:
Pediatric Sedation in the ICU

The ACMT Matthew J Ellenhorn Award and Lecture Presented at the North American Congress
of Clinical Toxicology September 25, 2011, Washington, DC.

The AACT Lifetime Career Achievement Award and Lecture. Presented at the North American
Congress of Clinical Toxicology October 20, 2014, New Orleans, LA

Professional Activities

American Association of Poison Control Centers

Board of Directors 2010-2014

President-elect 2014-2016

President 2016-2018

The Children's Hospital at Saint Francis

Medical Director 2002-2008

Co-Director, Pediatric Intensive Care Unit 1998-2008

Advisory Committee on Childhood Lead Poisoning Prevention - Centers for Disease Control

Member - 9/30/02-05/31/05

American Academy of Clinical Toxicology

Past-President 1996-1998

President 1994-1996

President-Elect 1992-1994

Board of Trustees 1986-1991

Committee on Publications 1988 (Chairman 1989)

Finance Committee 1987

Membership Committee 1986

American Board (College) of Medical Toxicology

Past Chair 1994-1996

Chairman 1992-1994

Vice Chairman 1990-1992

Secretary/Treasurer 1988-1990

Board of Directors/Examiners 1984-1988

American Academy of Pediatrics

Committee on Drugs 1989-1993

World Health Organization

Joint IPCS/CEC Working Group on the Evaluation of Chelating Agents in
Poisoning - Munster, Germany, May 29-31, 1989.

National Institute of Neurologic Diseases and Stroke

Member Ad Hoc Study Section - July 1990

Editorial Experience

Clinical Toxicology - Editorial Board - 1988-1998; Associate Editor 1990-1996

Medical Toxicology - Drug Safety - Editorial Board

Research Awards

Principal Investigator

Age-Related Changes of Vascular Receptor Mechanisms		
American Heart Association Arizona Affiliate	1982	\$11,853
	1983	\$15,000
Age-Related Changes in Calcium Channel Receptor Binding	1983	\$ 6,000
Biomedical Research Support Grant		
Development of Computer Assisted Graphics on the		
DEC System 20	1983	\$ 6,595
Biomedical Research Support Grant		
Evaluation of Esmolol in Poisoned Patients	1983	\$15,000
American Critical Care		
Use of N-acetylcysteine in Metal Intoxication	1984	\$ 3,000
Mead Johnson, Inc.		
Effects of Chronic Theophylline on Vascular Receptor Mechanisms	1984	\$16,000
American Heart Association, Arizona Affiliate		
Dopamine and Dobutamine Kinetics in	1985	\$68,300

Pediatric Patients National Heart, Lung and Blood Institute		
Effect of Albuterol on Pulmonary Function in Mechanically Ventilated Neonates Glaxo, Inc.	1988	\$39,002
Pharmacokinetic and Hemodynamic Interactions of Combinations of Catecholamines in the Dog American Heart Association - Utah Affiliate	1989	\$10,494
Atomic Absorption Spectrophotometry - University of Utah Equipment Grant	1989	\$25,920
Protein Binding and Catecholamine Kinetics in Pediatric Patients	1990	\$25,850
American Heart Association Grant-in-Aid	1991	\$26,510
	1992	\$27,170
Ketorolac Kinetics and Dynamics in Pediatric Patients Fidelity Foundation Martha E Edgar Spencer Ed. Fund Ben B and Iris M Margolis Fdn	1993	\$15,128
The Impact of Oral DMSA on Ongoing Exposure to Lead McNeil Consumer Products Company	1992	\$15,466
Pediatric Endoscopy Grant Kiwanis Club of Olympus	1992	\$ 1,500
A Study of Lead Poisoning in Utah Children Ben B and Iris M Margolis Foundation	1983	\$10,000

Co-Investigator

Pharmacokinetics of Tobramycin in Cystic Fibrosis Patients Eli Lilly & Company (K. McCoy: Principal Investigator)	1983	\$12,000
Safety and Efficacy of High Dose Tobramycin Therapy Eli Lilly & Company (ME Lund: Principal Investigator)	1983	\$ 3,000
Metoclopramide in Acetaminophen Intoxication McNeil Pharmaceutical (T Tong: Principal Investigator)	1983	\$10,000
Evaluation of the Cerebrospinal Fluid Penetration of Cefixime in the Presence of Inflamed and Non-Inflamed Meninges Lederle Laboratories (WM Gooch: Principal Investigator)	1988	\$25,000
Single-Dose Pharmacokinetics, Safety & Tolerance of SCH 39720 In Pediatric Patients Schering Plough, Inc. (WM Gooch: Principal Investigator)	1988	\$24,000

Original, Peer-Reviewed Publications

1. Gooch WM 3d. Kennedy J. Banner W Jr. McGuire HJ. Generalized arterial and venous thrombosis following intra-arterial paraldehyde. *Clin Toxicol* 15(1). 39-44 1979

2. Banner W Jr. Czajka PA. Acute caffeine overdose in the neonate. *Am J Dis Child* 1980; 134(5): 49-58.
3. Czajka PA. Anderson WH. Christoph RA. Banner W Jr. A pharmacokinetic evaluation of peritoneal dialysis for phenytoin intoxication. *J Clin Pharmacol* 1980; 20(10):565-69.
4. Banner W Jr. Gooch WM 3d. Burckart G. Korones SB. Pharmacokinetics of nafcillin in infants with low birth weights. *Antimicrob Agents Chemother* 1980; 17(4): 691-4.
5. Banner W Jr. Johnson DG. Walson PD. Jung D. Effects of single large doses of phenytoin on glucose homeostasis preliminary report. *J Clin Pharmacol*. 1982;22(23):79-81.
6. Banner W Jr. Clawson L. Failure of narcan to reverse clonidine toxicity. *Vet Hum Toxicol* 1981; 23(Suppl 1): 356.
7. Iserson KV. Banner W. Froede RC. Derrick MR. Failure of dialysis therapy in potassium dichromate poisoning. *J Emerg Med* 1983; 1(2):143-9.
8. Banner W Jr. Lund ME. Clawson L. Failure of naloxone to reverse clonidine toxic effect. *Am J Dis Child* 1983; 137: 1170-71.
9. Banner W Jr. Walson PD. Systemic toxicity following gasoline aspiration. *Am J Emerg Med* 1983; 1(3): 292-4.
10. *Lund ME. Banner W Jr. Finley PR. Burnham L. Dye JA. Effect of alcohols and selected solvents on serum osmolality measurements. *J Toxicol Clin Toxicol* 1983; 20(2): 115-32.
11. Duncan B. Banner W. Ruggill J. Emergency drills in a pediatric residency training program. *Ann Emerg Med*. 1983; 12(3): 164-6.
12. Likes K. Banner W Jr. Chavez M. Centruroides exilicauda in Arizona. *West J Med* 1984; 141(5): 634-7.
13. *Ratchesky IJ. Banner W Jr. Dansky J. Tong T. Treatments for Centruroides exilicauda envenomation. *Am J Dis Child* 1984; 138(12): 1136-39.
14. *Lund ME. Banner W Jr. Clarkson TW. Berlin M. Treatment of acute methylmercury ingestion by hemodialysis with N-acetylcysteine (Mucomyst) infusion and 2,3-dimercaptopropane sulfonate. *J Toxicol Clin Toxicol* 1984; 22(1): 31-49.
15. Rhoads PM. Tong TG. Banner W Jr. Anderson R. Anticholinergic poisonings associated with commercial burdock root tea. *J Toxicol Clin Toxicol* 1984-85.22(6): 581-4.
16. *Ferron PM. Banner W Jr. Duckles SP. Lack of specific (3H) prazosin binding sites in dog and rabbit cerebral arteries. *Life Sci* 1984; 35(21): 2169-76.
17. *Hynes MR. Banner W Jr. Yamamura HI. Duckles SP. Characterization of muscarinic receptors of the rabbit ear artery smooth muscle and endothelium. *J Pharmacol Exp Ther* 1986; 238(1): 100-5.
18. Banner W Jr. Koch M. Capin DM. Hopf SB. Chang S. Tong TG. Experimental chelation therapy in chromium, lead, and boron intoxication with N-acetylcysteine and other compounds. *Toxicol Appl Pharmacol* 1986; 83(1): 142-7.

19. *Gaar GG, Banner W, Laddu, AR: The Effects of Esmolol on the Hemodynamics of Acute Theophylline Toxicity. *Ann Emerg Med* 1987; 16: 1334-9.
20. *Shubat PJ, Banner W, Huxtable RJ: Pulmonary Vascular Responses Induced by the Pyrrolizidine Alkaloid, Monocrotaline, in Rats. *Toxicon* 1987; 25(9): 995- 1002.
21. Banner W, Vernon D, Ward R, Sweeley J, Dean JM: Continuous Arterio-Venous Hemofiltration (CAVH) in Experimental Iron Intoxication. *Crit Care Med* 1989; 17: 1191-1193.
22. Banner W, Vernon D, Dean JM, Swenson E: Nonlinear Dopamine Pharmacokinetics in Pediatric Patients. *J Pharmacol Exp Ther* 1989; 249(1):131-133.
23. Vernon D, Banner W, Dean JM: Hemodynamic Effects of Experimental Iron Poisoning. *Ann Emerg Med* 1989; 18: 863-866.
24. Vernon DD, Banner W, Cantwell GP, Holzman BH, Bolte RG, Dean JM: *Streptococcus pneumoniae* bacteremia associated with near-drowning. *Crit Care Med* 1990; 18:1175-1176.
25. *Quaife E, Banner W, Vernon D, Christensen D: Failure of CAVH to remove digoxin-Fab complex in piglets. *J Tox Clin Tox* 1990; 28: 61-68.
26. Banner W, Vernon D, Minton S, Dean J: Nonlinear dobutamine elimination in a pediatric population. *Crit Care Med* 1991; 19:871-873.
27. Vernon D, Banner W, Garrett J, Dean J: Efficacy of dopamine and norepinephrine for treatment of hemodynamic compromise in amitriptyline intoxication. *Crit Care Med* 1991; 19:544-549.
28. Christensen DW, Vernon DD, Banner W, Dean JM: Skin necrosis complicating intraosseous infusion. *Pediatric Emergency Care* 1991;7:289.
29. Banner W, Bach P, Burk B, Freestone S, Gooch WM: Influence of Assay Methods on Serum Concentrations of Digoxin During Fab Fragment Treatment. *Clinical Toxicology* 1992; 30:259-267.
30. Swenson E, Pappas J, Gooch WM, Banner W: Compatability of Ticarcillin Disodium Clavulanate Potassium with Commonly Used Intravenous Solutions. *Current Therapeutic Research* 1990; 48:385-394.
31. Vernon DD, Garrett JS, Banner W, Dean JM: Hemodynamic effects of dobutamine in an intact animal model. *Crit Care Med* 1992;20:1322-1
32. Vernon DD, Dean JM, Timmons OD, Banner W, Allen EM: Modes of death in the pediatric ICU: Withdrawal and limitation of supportive care. *Crit Care Med* 1993; 21:1798-1802.
33. Allen-Webb EM, Ross MP, Pappas JB, McGough EC, Banner W, Jr.: Age Related Amrinone Pharmacokinetics in a Pediatric Population. *Crit Care Med* 1994; 22: 1016-1024
34. Osteyee JL, Banner W: Effects of Two Dosing Regimens of Intravenous Ranitidine on Gastric pH in Critically Ill Children. *Amer J of Crit Care* 1994; 3:267-272.

35. Pappas JB, Ahlquist JT, Allen EM, Banner, W Jr.: Oral Dimercaptosuccinic Acid and Ongoing Exposure to Lead: Effects on Heme Synthesis and Lead Distribution in a Rat Model. *Toxicology and Applied Pharm* 1995; 133, 121-129.
36. Burch GH, Jensen LR, Pappas J, Hammond EH, Banner W, Shaddy RE. Growth Factor Expression and Effects of Amrinone in Monocrotaline-Induced Pulmonary Hypertension in Rats. *Biochem and Molec Med* 1996; 58, 204-210.
37. Pappas JB. Allen EM. Ross M. Banner W Jr. HPLC micromethod for amrinone and metabolites in patients receiving concurrent cephalosporin therapy. *Clinical Chemistry*. 42(5):761-5, 1996 May.
38. Chyka PA, Banner W: The History of Poisoning in the Future: Lessons from Star Trek. *Clin Tox* 1999; 37, 793-799.
39. Lavonas EJ, Gerardo CJ, O'Malley G., Arnold TC Bush SP, Banner W, Steffens M. Kerns WP, "Initial Experience with Crotaline Fab Antivenom in the Treatment of Copperhead Snakebite", *Ann Emerg Med* 43(2) 2004
41. P N Johnson, L McGoodwin, W Banner . Utilisation of Crotalidae polyvalent immune fab (ovine) for Viperidae envenomations in children. *Emerg Med J* 2008;25:793-798
42. Dart RC, Paul IM, Bond GR, Winston DC, Manoguerra AS, Palmer RB, Kauffman RE, Banner W, Green JL, Rumack BH. Pediatric fatalities associated with over-the-counter (nonprescription) cough and cold medications. *Annals of Emergency Medicine* 2009;53:411-417.
43. B. Burns DO; W. Banner MD; E. Roper MD. A 60 Year Old Male With Bloody Diarrhea and Altered Mental Status Secondary to a Suspected Intravascular Crotalid Envenomation. *OSMA Journal* •August 2010 • p 370-372
44. Eric J Lavonas, Anne-Michelle Ruha, William Banner, Vikhyat Bebarta, Jeffrey N Bernstein, Sean P Bush, William P Kerns, William H Richardson, Steven A Seifert, David A Tanen, Steve C Curry, Richard C Dart . Unified treatment algorithm for the management of crotaline snakebite in the United States: results of an evidence-informed consensus workshop. *BMC Emergency Medicine* 2011, 11:2 <http://www.biomedcentral.com/1471-227X/11/2>
45. [Badillo, R., Banner, W., Morris, J. A. Jr., Schaeffer, S., 2011. A case study of lionfish sting-induced paralysis. *Aquaculture, Aquarium, Conservation & Legislation* 5\(1\):1-3.](#)
46. Bill Banner, Scott Schaeffer, Randal Bryan Badillo, Kimberly Hovseth, Beth Condley, And Reed Mcneely . Multiple lead appendoliths following ingestion of lead shot: Time course and removal by laparoscopic appendectomy, *Clinical Toxicology* (2012), 50, 266–267
47. Lavonas EJ, Banner W, Bradt P, Bucher-Bartelson B, Brown KR, Rajan P, Murrelle L, Dart RC, Green JL. Root causes, clinical effects, and outcomes of unintentional exposures to buprenorphine by young children. *J Pediatr* 2013.06.058
48. [Banner W, Kahn CM. Low blood lead level effects on intelligence: can a dose-response curve be determined from the epidemiological data? *Clin Toxicol \(Phila\)*. 2014 Feb;52\(2\):113-7.](#)

49. Kopec KT, Brent J, Banner W, Ruha AM, Leikin JB. Management of cardiac dysrhythmias following hydrocarbon abuse: clinical toxicology teaching case from NACCT acute and intensive care symposium. *Clin Toxicol (Phila)*. 2014;52:141-5.
50. Paul IM, Reynolds KM, Kauffman RE, Banner W, Bond GR, Palmer RB, et al. Adverse events associated with pediatric exposures to dextromethorphan. *Clin Toxicol (Phila)*. 2017;55:25-32.
51. Shawn Berry Sood, William Banner & Roger Phillip Barton. Extracorporeal cardiopulmonary resuscitation after brown recluse envenomation. *Clin Tox*, In Press
52. Johnson J, Williams K, Banner W, Jr. Adolescent with prolonged toxidrome. *Clin Toxicol (Phila)*. 2017;55:364-5.
53. Dart RC, Goldfrank LR, Erstad BL, Huang DT, Todd KH, Weitz J, et al. Expert Consensus Guidelines for Stocking of Antidotes in Hospitals That Provide Emergency Care. *Ann Emerg Med*. 2017.
54. Green JL, Wang GS, Reynolds KM, Banner W, Bond GR, Kauffman RE, et al. Safety Profile of Cough and Cold Medication Use in Pediatrics. *Pediatrics*. 2017;139.
55. Williams KL, Woslager M, Garland SL, Barton RP, Banner W. Use of polyvalent equine anti-viper serum to treat delayed coagulopathy due to suspected *Sistrurus miliarius streckeri* envenomation in two children. *Clin Toxicol (Phila)*. 2017;55:326-31.

* Denotes first author resident, fellow or student under supervision

Invited Reviews, Book Chapters, Letters

Articles

1. Duckles SP, Banner W: Changes in Vascular Smooth Muscle Reactivity During Development. *Ann Rev of Pharm and Tox* 1984; 24: 65-83.
2. Book Review: Clinical Management of Poisoning and Drug Overdose. Haddad LM, Winchester J. *Am J of Dis Child* 1983; 137:1135.
3. Editorial: Vancomycin in Perspective, Banner W, Ray CG. *Am J of Dis Child* 1984; 138:14-16.
4. Bedrick AD, Banner W, Balcom RJ, Bifano EM, Hakanson DO: Letter to Editor. Alert: Perioperative Neonatal Methemoglobinemia. *AJDC* 1984; 138: 889-890.
5. Banner W, Tong TG: Iron Poisoning. *Ped Clin North Am* 1986; 33:393-409.
6. Editorial: Banner, W: Why Read a Pharmacokinetic Article. *AJDC* 1986; 140:104-106.
7. Banner, W: Clinical Toxicology in the Neonatal Intensive Care Unit. *Med Tox* 1986; 1(3): 225-235.

8. Editorial: Banner W, Veltri J: The Case for Ipecac Syrup. *Am J Dis Child* 1988; 142: 596-7.
9. Guest Editors: Banner W, Bayer, M, Smith T: Digitalis Intoxication. *Am J of Em Med* 1991; 9(1); 1-34.
10. Editorial: Banner W: Succimer: Controversial Issues Involving the Release of a New Product. *Clinical Pharmacy* 1991; 10:942.
11. Banner W Jr. Vuignier BI. Pappas JB.: Mythology of lead poisoning. [letter; comment.]. Comment on: *Pediatrics*. 1992 Apr;89(4 Pt 1):614-8 ; 1313555, Comment on: *Pediatrics*. 1992 Apr;89(4 Pt 1):678-80 ; 1372971 *Pediatrics*. 91(1):161-2, 1993 Jan.
12. Banner W. Brent J. Garrettson LK. Lawrence RA. Rodgers GC. Shannon MW. Spyker DA. Tenenbein M. Vale JA. Weisman RS. What's in a name?--Regional Toxicology Treatment Centers. [letter; comment.].
Comment on: *J Toxicol Clin Toxicol*. 1993;31(2):211-7 ; 8492333
Journal of Toxicology - Clinical Toxicology. 31(2):219-20, 1993.
13. Banner W, Timmons OD, Vernon DD: Advances in the Critical Care of Poisoned Paediatric Patients. *Drug Safety* 1994; 10:83-92.
14. Banner W, Pentel PR: Medical Toxicology (Contempo 1994). *JAMA* 1994; 271: 1681-1682.
15. Banner W: Risks of Extracorporeal Membrane Oxygenation: Is there a role for use in management of the acutely poisoned patient? *Clin Tox* 1996; 34, 365-371.
16. Banner W. Of iron and ancient mariners. [letter; comment.]. Comment on: *Ann Emerg Med*. 1997 Nov;30(5):587-92 ; *Annals of Emergency Medicine*. 30(5):687-8, 1997 Nov.
17. Banner W Jr. A scorpion by any other name is still a scorpion. [letter; comment.]. Comment on: *Ann Emerg Med*. 1999 Nov;34(5):615-9 ; 10533009, Comment on: *Ann Emerg Med*. 1999 Nov;34(5):620-5 ; 10533010.
Annals of Emergency Medicine. 34(5):669-70, 1999 Nov.
18. Banner W Jr. Off label prescribing in children. *BMJ*. 2002 Jun 1;324(7349):1290-1
19. Banner W. "It is easier to denature plutonium than to denature the evil spirit of man" – Albert Einstein *Clinical Toxicology* 50:537-53, 2012
20. Howard Roemer, M.D., FACEP; William Banner, M.D., PhD; Vern L. Katz, M.D., FA, IMNG Medical News: Drugs of Abuse in Pregnancy
[http://www.acepnews.com/index.php?id=2049&type=98&tx_ttnews\[tt_news\]=1543&cHash=da03e20e36](http://www.acepnews.com/index.php?id=2049&type=98&tx_ttnews[tt_news]=1543&cHash=da03e20e36)

Statements from the Committee on Drugs of the American Academy of Pediatrics

21. The transfer of drugs and other chemicals into human milk January 1994 R.E. Kauffman, Banner W, C.M. Berlin Jr J.L. Blumer, R.L. Gormman, G.H. Lambert

22. Camphor revisited: Focus on toxicity January 1994 R.E. Kauffman, Banner W, C.M. Berlin Jr J.L. Blumer, R.L. Gorman, G.H. Lambert
23. Use of chloral hydrate for sedation in children January 1993 R.E. Kauffman, Banner W, C.M. Berlin Jr J.L. Blumer, R.L. Gorman, G.H. Lambert et al
24. Guideline for Monitoring and Management of Pediatric Patients During and After Sedation for Diagnostic and Therapeutic Procedure January 1992 R.E. Kauffman, Banner W, C.M. Berlin Jr J.L. Blumer, R.L. Gorman, G.H. Lambert et al
25. Naloxone dosage and route of administration for infants and children: Addendum to emergency drug doses for infants and children January 1990 R.E. Kauffman, Banner W, J.L. Blumer, R.L. Gorman, G.H. Lambert , Snodgrass W.
26. Treatment Guidelines for Lead Exposure in Children. Consultant: Banner W. Cheston M. Berlin, Jr. MD, Chairperson Richard L. Gorman, MD D. Gail May, MD Daniel A. Notterman, MD Douglas N. Weismann, MD Geraldine S. Wilson, MD John T. Wilson, MD. Pediatrics Vol. 96 No. 1 July 1995

Books/Chapters

1. Banner W: General Principles of Clinical Pharmacology of the Fetus in: *Clinical Pharmacology in Pregnancy*, Helmut P. Kuemmerle, Ed., George Thieme Verlag Stuttgart, New York, 1983.
2. Tong TG, Banner W: Iron Poisoning in: *Current Emergency Therapy 84"*. Spyker, Ded. Appleton-Century-Crofts, Norwalk, Connecticut, 1984. Revised 1985, 1986.
3. Seizure Disorders in Children. Ferry PC, Banner W, Wolf RA. Lippincott Publishing CO. Heinz Eichenwald Sr. Editor, 1985.
4. Banner W: Medication and their Effects on the Fetus in: *Medical Malpractice: Handling Obstetric and Neonatal Cases*, McGraw-Hill, Colorado Springs Colorado, 1986.
5. Banner W: Drug Administration During the Neonatal Period in: *Medical Malpractice: Handling Obstetric and Neonatal Cases*,: McGraw-Hill, Colorado Springs Colorado, 1986.

6. Banner W, Elsberry VA: Pediatrics in: Computer Applications in Clinical Practice, Levinson D, ed. Macmillan Publishing Co., 1985.
7. Banner W: Toxicology in: *Principles of Pharmacology*, Raven Press, New York, 1986.
8. Banner W: Bites and Stings in the Pediatric Patient in: *Current Problems in Pediatrics*, Year Book Medical Publishers Inc., 1988.
9. Tong T, Banner W: Iron Poisoning; Drug Toxicity and Metabolism in Pediatrics in: *Clinical Toxicology*. CRC Press, Florida, 1990.
10. Banner W: Bites and Stings in the Pediatric Patient; in *Current Problems in Pediatrics*, Year Book Medical Publishers Inc., 1988.
11. Russell FR, Banner W: Snake Venom Poisoning in: *Conn's Current Therapy*. Rakel, E ed. Saunders, Philadelphia, PA, 1988.
12. Banner W: Scorpion envenomation; in Auerbach PS, Geehr EC (eds): *Wilderness and Environmental Emergencies*, C.V. Mosby Company, 1989.
13. Banner W: Bites and stings in: *Ambulatory Pediatrics*, Green M, Haggerty RJ (eds): 1990.
14. Banner W, Orsmond, G: Digoxin Toxicity; in Blumer JL (ed): *A Practical Guide to Pediatric Intensive Care*, St. Louis: The C.V. Mosby Company 1990.
15. Banner W: Anticonvulsant Drug Overdose; in Blumer JL (ed): *A Practical Guide to Pediatric Intensive Care*, St. Louis: The C.V. Mosby Company 1990.
16. Banner W: Tricyclic Antidepressant Toxicity; in Blumer JL (ed): *A Practical Guide to Pediatric Intensive Care*, St. Louis: The C.V. Mosby Company 1990.
17. Banner W, Orsmond, G: Cardiac Glycoside Intoxication; in Grossman M, Diekmann R (eds): *Quick Reference to Pediatric Emergencies* 1991.
18. Banner W: Cyclic antidepressant overdose; in Grossman M, Diekmann R (eds): *Quick Reference to Pediatric Emergencies* 1991.
19. Banner W: Enhancing the Elimination of Toxins; in Grossman M, Diekmann R (eds): *Quick Reference to Pediatric Emergencies* 1991.
20. Banner W, Vernon DD: Iron Intoxication; in Grossman M, Diekmann R (eds): *Quick Reference to Pediatric Emergencies* 1991.
21. Vernon DD, Banner W: Iron Poisoning; in Blumer JL (ed): *A Practical Guide to Pediatric Intensive Care*, St. Louis: The C.V. Mosby Company 1990.
22. Banner W, Rumack BG: Plant and Animal Poisonings; in Blumer JL (ed): *A Practical Guide to Pediatric Intensive Care*, St. Louis: The C.V. Mosby Company 1990.
23. McElwee N, Banner W: Vitamin Toxicity; in Harwood-Nuss A, et al (ed): *The Clinical Practice of Emergency Medicine*, Worcester: J.B. Lippincott Company 1991.

24. Banner W, Vernon DD: Interventions for specific toxins; in Fuhrman BP, Zimmerman JJ (eds), *Pediatric Critical Care*. St. Louis: The C.V. Mosby Company 1992.
25. Eland JM, Banner W: Assessment and Management of Pain in Children: *Nursing Care of the Critically Ill Child*, Hazinski MF ed, 2nd edition. St. Louis: Mosby Year Book, 1992
26. Berkowitz ID, Banner W, Rogers MC: Poisoning and the Critically Ill Child in Rogers MC (ed) *Textbook of Pediatric Intensive Care*. 2nd edition. Baltimore: Williams and Wilkins 1992.
27. Chyka PA, Banner W: Hematopoietic Agents in Dart RC (ed) *Medical Toxicology*, 3rd Edition, Philadelphia: Lippincott, Williams, and Wilkins 2004.
28. Banner W, Barton RP: Pediatric Toxicology in the Pediatric Intensive Care Unit. In Erickson TB et al (ed) *Pediatric Toxicology*, McGraw-Hill Companies 2005
29. Banner W: Pharmacokinetics and Pharmacodynamics in Hazinski MF (ed) *Nursing Care of the Critically Ill Child*. 3rd ed. pg 67-76 Elsevier St Louis MO 2013

Letters

1. Corneli HM, Banner W, Vernon DD, Swenson PH: Toddler eats clonidine patch and nearly quits smoking for life (letter). *JAMA* 1989; 261:42.
2. Banner W, Swenson E, Vernon DD, Dean JM, Gooch WM: Ceftazidime dosing in continuous arterio-venous hemofiltration (letter). *Clinical Pharmacy* 1989; 8:91.

Published as an Abstract Only

1. Banner W, Cardenas J, McCoy K, and Zind B: Combined Toxicity of Milk of Magnesia and Fleet's Phosphosoda. American Academy of Clinical Toxicology, Salt Lake City, Utah, August 3-7, 1981.
2. Jackson JE and Banner W: Tricyclic Antidepressant Overdose: Cardiovascular Responses to Catecholamines. American Academy of Clinical Toxicology, Salt Lake City, Utah, August 3-7, 1981.
3. Banner W, McCoy K, Seidner S, Taussig L, Davis T: Pharmacokinetics of chloramphenicol in cystic fibrosis patients. Society for Pediatric Research, Washington, D.C., May 11-14, 1982.
4. McCoy K, Banner W, Erickson J, Taussig L: Pharmacokinetics of tobramycin in cystic fibrosis patients. Society for Pediatric Research, Washington, D.C., May 11-14, 1982.
5. Valdes-Cruz L, Sahn D, Horowitz S, Fisher D, Banner W, Allen H, Goldberg S: Transpulmonary passage of biologically safe echo contrast agents (E/C) and potential applicability for detection of left-to-right (LR) shunts: A canine study. Society for Pediatric Research, Washington, D.C., May 11-14, 1982.
6. Jackson JE and Banner W: Tricyclic antidepressant intoxication: Effects of physostigmine and bicarbonate. 1982 International Congress of Clinical Toxicology, Snowmass, Colorado, August 9-13, 1982.

7. Banner W, Duckles SP, Yamamura HI: Differentiation of Vascular Alpha¹ and Alpha² Adrenergic Receptor Sites Using Radioligand Binding Techniques. American Heart Association (A.H.A.) 55th Scientific Sessions, Dallas, Texas, November 15-18, 1982.
8. Lund ME, Banner W, Taussig LM: Safety of High Concentration Tobramycin Therapy In Cystic Fibrosis (CF). The Society for Pediatric Research, Washington, D.C., May 4-10, 1983.
9. Jackson JE, Bentley JB, Glass S, Banner W, Plachetka JD: The Effects of H₂ Blockers on Lidocaine Disposition. American Society for Clinical Pharmacology and Therapeutics, San Diego, California, March 7-11, 1983.
10. Banner W, Duckles SP: Changes in Vascular Alpha-Adrenergic Mechanisms During Maturation. The International Symposium on Developmental Pharmacology, Toronto, Ontario, Canada, October 3-6, 1982.
11. Banner W, Dyer J: Anticholinergic Toxicity in Northern Mexico. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, Boston, Massachusetts, August 6-11, 1983.
12. Hynes, MR, Banner W, Yamamura HI, Duckles SP: Effect of Endothelial Removal on ³H Quinuclidinyl Benzilate Binding in Rabbit Ear Artery. The Pharmacologist 25:136, 1983.
13. Holmes W, Banner W, Tong TG: Effect of Charcoal Dilution on Nasogastric Transit Time. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984
14. Banner W, Clausen L, Moriarity S, Tong T, Gaar G: Risk Factors in Petroleum Distillate Product Exposure. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984.
15. Tong T, Banner W, Graham A, Lund M: Metaclopramide Effect on Acetaminophen Intoxication and Response to N-acetylcysteine Treatment. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984.
16. Gaar G, Banner W: Esmolol in the Treatment of Theophylline Toxicity. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984.
17. Goldstein FE, Draelos M, Tong T, Banner W, Sullivan JB: Rhabdomyolysis and Acute Renal Failure: Secondary Complications Following Centipede Envenomation. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984.
18. Banner W, Russell F, Barton B, Schwager E: Fatal Rattlesnake Bite in a Child. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12, 1984.
19. Ransom S, Sparling M, Fischler L, Tong T, Banner W: Training to Deal Effectively with Work-related Stress for Poison Information Specialists. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, October 7-12,

1984.

20. Gaar, G, Banner W: Propranolol in the Treatment of Theophylline Toxicity. American Academy of Clinical Toxicology/AAPCC/ABMT Annual Scientific Meeting, San Diego, California, 1984.

21. Hynes MR, Banner W, Yamamura HI, Duckles SP: Characterization of Muscarinic Receptors of the Rabbit Ear Artery Using the Selective Antagonist Pirenzepine. The Pharmacologist 26:166, 1984.

22. Banner W, Koch M, Hopf S, Yates M, Goldstein J, Tong T: N-acetylcysteine in the Chelation of Zinc Sulfate. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

23. Goldstein JE, Banner W, Tong TG: N-acetylcysteine Treatment of Acute Mercuric Chloride Intoxication. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

24. Gaar GG, Banner W, Laddu AR: Effects of Esmolol on Hemodynamics of Acute Cocaine Intoxication. AACT/AAPCC/ABMT/ Annual Scientific Meeting, Kansas City, Missouri, 1985.

25. McNally J, Griffith L, Testa-Erickson J, Tong TG, Banner W, Gaar G: Poison Center Information in Management of Crotalus (Rattlesnake) Envenomation Facilitated by Specific Protocol and Surveillance of Case Experience. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

26. Rhoads M, Banner W, Tong TG, O'Neill R: Unanticipated Neurologic Symptoms Following Ingestion of Bee Pollen. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

27. Gaar GG, Banner W, Laddu AR: Esmolol in the Treatment of Amitriptyline Toxicity. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

28. Banner W, Lipsy R: Anticonvulsant Effects of Beta Adrenergic Antagonists in Toxic Seizures. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Kansas City, Missouri, 1985.

29. Merritt KA, Vernon D, Banner W: Salt Poisoning Due to Ingestion of Soy Sauce. AACT/AAPCC/ABMT/CAPCC Annual Scientific Meeting, Baltimore, Maryland, 1988.

30. Gooch MW, Banner W, Swenson E: Timentin Pharmacokinetics in Critically Ill Pediatric Patients. American Society of Clinical Pharmacology and Therapeutics- Annual Meeting, Nashville Tenn March 1989.

31. Ross MP, Banner W, Vernon DD, Pappas J: Charcoal Hemoperfusion in Experimental Iron Intoxication. Annual Scientific Meeting of the American Academy of Clinical Toxicology, September 1990, Tucson, Arizona

32. Ross MP, Banner W, Vernon DD, Pappas J. Treatment of experimental iron intoxication with charcoal hemoperfusion enhances iron removal. Critical Care Medicine (Supplement)1991, 19:S44.

33. Ross MP, Banner W, Pappas J. Charcoal hemoperfusion in experimental dichromate poisoning. *Veterinary and Human Toxicology* 1991; 33:355A.
34. Clark RSB, Burch GH, Vernon DD, Ross MP, Banner W, Jr. Hemodynamic effects of amrinone infused concurrently with dopamine or dobutamine in an intact canine model. *Pediatric Critical Care Colloquium*, Abstract #13, Snowbird, Utah, 1992.
35. Ross MP, Pappas JB, McGough EC, Banner W, Jr., Allen EM. Thrombocytopenia in children receiving amrinone: A pharmacokinetic analysis. *Pediatric Critical Care Colloquium*, Abstract #16, Snowbird, Utah, 1992.
36. Ross MP, Pappas JB, McGough EC, Banner W, Jr., Allen EM. Thrombocytopenia in children receiving amrinone: A pharmacokinetic analysis. *Critical Care Medicine*, (Supplement) 1992; 20:S14.
37. Vuignier B I, Pappas J B, Banner W Jr., Beaudoin D, Ahlquist J T, Bitters A, Winn P, Slattery M L, Thurman D J: "A Study of Lead Poisoning Among Utah Children." Annual Scientific Meeting AAPCC/AACT/ABMT/CAPCC, Tampa, Florida, September 19-22, 1992.
38. Vuignier B I, Pappas J B, Banner W Jr., Beaudoin D, Slattery M L, Mori M: "A Lead Poisoning Screening Project. California Association of Toxicologists. Oct 10-16, 1993 Phoenix Az.
39. Banner W, McGoodwin PL, Badillo R. Carbetapentane toxicity presenting as a pseudo-parkinsonian reaction [abstract]. *J Toxicol Clin Toxicol*. 2004;42(5):728.
40. McGoodwin PL, Schaeffer SE, Banner W, Badillo RB, "Respiratory Arrest and Generalized Paralysis Secondary to Therapeutic Misadventure with Epsom Salts. *Clinical Toxicology*. 2005; 43(6):725.
3. McGoodwin PL, Dang K, Banner W. Trends in Healthcare Utilization of PCC Services *Clinical Toxicology* 48(6):640-640 · July 2010
4. McGoodwin PL , Hommel H, Banner W. The Value of Poison Center Data in Predicting Poisoning Trends. *Clinical Toxicology* 47(7):702-702 · January 2009
41. Green JL, Banner W, Bond R, Kauffman R, Manoguerra A, Palmer R, Paul I, Rumack B, Winston D, and Dart RC. Characterizing pediatric fatalities related to over-the-counter (OTC) cough and cold medications. *Clinical Toxicology* 2008; 46(5):356.
42. Green JL, Banner W, Bond R, Kauffman R, Manoguerra A, Palmer R, Paul I, Rumack B, Winston D, Dart RC. Dangers of Opioid-containing cough and cold drug use in children less than six years of age. *Clinical Toxicology* 2008; 46(7):600-1.
43. Yin S, Blair R, Green JL, Dart RC, Pediatric Cough/Cold Medication Safety Surveillance Team. Child abuse with cough/cold medications. *Clinical Toxicology* 2009; 47(7):761.

44. Green JL, Banner W, Bond R, Kauffman R, Manoguerra A, Palmer RB, Paul IM, Rumack B, Winston DC, and Dart RC. Malicious use of cough and cold medications in children. American Academy of Forensic Sciences Annual Conference, Denver CO, February 2009, platform presentation.
45. Burns BD, Banner W. A 60 Year-Old Male with Hemoconcentration, Bloody Diarrhea, and Altered Mental Status Secondary to Intravascular Crotalid Envenomation *J. Med. Toxicol.* (2010) 6:238-239
46. Banner W, Baxter L, Akins J. Envenomations Due To Pygmy Rattlesnakes in Oklahoma: Treatment Options. *Journal Of Medical Toxicology*, Volume 4, Number 1 March 2008, Page 44
47. Kristie L. Williams, PharmD, Stephanie L. Garland, PharmD, Roger P. Barton, MD, Megan Wolslager, MD, William Banner, MD, Ph.D. Use of Polyvalent Equine Anti-Viper Serum to Treat Delayed Coagulopathy in Two Children *Clinical Toxicology*. 2016;54(8):671.
- Jami Johnson, Pharm.D., Kristie L. Williams, Pharm.D., William Banner, MD, Ph.D. Endoscopic Removal of a Radiodense Pharmacobezoar Following Ingestion of Diphenhydramine *Clinical Toxicology*. 2016;54(8):751-752.
- 48.
49. William Banner, MD, Ph.D., Kristie L. Williams, Pharm.D., Scott Schaeffer, R.Ph. Severe Methemoglobinemia In An Infant Following The Use Of An Herbal Remedy *Clinical Toxicology*. 2016;54(8):674-675.
50. William Banner, MD, Ph.D., Shawn Sood, MD, Megan Wolslager, MD, Roger P. Barton, MD Case Report of a Child Requiring Extracorporeal Membrane Oxygenation after a Brown Recluse Bite *Clinical Toxicology*. 2016;54(8):675.
51. RL Lucas, KM Reynolds, William Banner, MD, Ph.D., JL Green Trends in Liquid Laundry Detergent Packet Exposures in Children Reported to US Poison Centers from 2012-2015 *Clinical Toxicology*. 2016;54(8):682.
- 52.

Visiting Professor

University of California - Berkeley

Pharmacology Visiting Professor, Clinical Toxicology

August 1985

August 2-9, 1986

August 3-8, 1987

August 8-12, 1988

Hospital Escuela - Tegucigalpa, Honduras

Visiting Lecturer - Project Hope - April 15-30, 1986

San Juan de Dios Hospital- Guatemala City, Guatemala

Visiting lecturer/Central American Pediatric Society - May 1992

Community Activities

Board of Directors - Cerebral Palsy Foundation School, 1983-1984

Emergency Medical Services Council - Tucson, Arizona, 1985-1987.

Project Hope Alumni Association - 1987-present

Citizens Advisory Committee on Chemical Weapons Demilitarization - 1992-1994

Dugway Technical Advisory Committee on Bioweapons - 1993- 1994

Advisory Panel on Lead Screening in Utah- Utah Medicaid Program - 1993- 1994

Board of Directors- The Indian Health Care Resource Center – 2005 -2007

2005 Great Spirit Award- Tulsa March of Dimes Gourmet Gala and Chef's Auction

2007 Honorary Co-Chair – IHCRC Two Moons Over Paradise Annual Fund Raiser