

**BRADLEY M. PETERSON, M.D.**

**CURRICULUM VITAE**

**Office Address:** 3030 Children's Way  
Suite 115  
San Diego, CA 92123

**Home Address:** Post Office Box 1055  
Rancho Santa Fe, California 92067

**Positions:**

**2014-Present** Senior Consultant – Pediatric Critical Care  
Rady Children's Hospital – San Diego

**1978-Present** Medical Director, Transport Services  
Rady Children's Hospital – San Diego

**1985-2017** Medical Director, Critical Care Fellowship Program  
Rady Children's Hospital – San Diego

**1978-2014** Medical Director, Pediatric Intensive Care Units  
Children's Hospital and Health Center – San Diego

**1984-2008** Associate Director, Trauma  
Children's Hospital and Health Center – San Diego

Senior Staff, Pediatrics and Anesthesia  
Children's Hospital and Health Center – San Diego

Associate Clinical Professor, Pediatrics  
Anesthesia and Surgery – UCSD San Diego

**Education:**

**University:** BA, Northwestern University  
Evanston, Illinois 1962-1966

M.D., Northwestern University  
Chicago, Illinois 1966-1970

## **Post Graduate Education:**

**Internship:** University of Minnesota (Pediatrics)  
1970-1971

**Residency:** University of Minnesota (Pediatrics)  
1971-1972

U.S. Naval Hospital, San Diego, CA (Pediatrics)  
1972-1973

**Fellowship:** Children's Hospital, San Diego, CA (Neonatology)  
1973-1975

Stanford University, Stanford, CA (Anesthesiology)  
1975-1977

**Military Service:** U.S. Naval Hospital, San Diego, CA  
(Staff Pediatrician)  
1972-1973

**Medical Licensor:** California G 21961

**Board Certification:** American Board of Pediatrics, 1976  
American Board of Anesthesiology, 1981  
Pediatric Critical Care, 1987, Re-certification 1994, 2003, 2012

**Other Certifications:** PALS  
ACLS  
ATLS - Instructor

## **Membership in Societies:**

Member, Editorial Board of Pediatric Critical Care Medicine  
Fellow, American College of Critical Care Medicine  
American Society of Anesthesiology  
California Society of Anesthesiologists  
American Medical Society  
Fellow, American Academy of Pediatrics  
San Diego County Medical Society  
Society of Critical Care Medicine  
Southern California PICU Network  
Education Committee, Southern California PICU Network  
Society for Pediatric Trauma  
American Academy of Pediatrics- Transport Medicine Section  
Pediatric Critical Care Colloquium Steering Committee

## **Honors and Awards:**

American Heart Association Scholar  
BBB Biological Honorary - 1966  
UCSD - Senior Pediatric Residents Clinical Teaching Award -1986  
Poster Presentation Critical Care Society - Outstanding  
Presentation for Clinical Research – 1989  
Society of Critical Care Medicine National Meeting  
Best Clinical Study – 1989  
Society of Critical Care Medicine  
Educational Scholarship Award - 1998  
San Diego County Medical Society - Outstanding  
Contributions in delivery of Emergency Care - 1990  
America's Best Doctors - 1993  
America's Best Doctors – 1999  
San Diego "To Doctors" for 2006, 2007, 2008,2009,2010,2012  
RCHSD Award for Outstanding Excellence in Critical Care

## **SPECIAL HONORS**

**UCSD Pediatric Critical Care Fellowship Program  
Named after Dr. Bradley Peterson**

[www.ucsdpicu.org](http://www.ucsdpicu.org)

# UC San Diego, Pediatric Critical Care

THE BRADLEY PETERSON PEDIATRIC CRITICAL CARE FELLOWSHIP



## The Bradley Peterson Pediatric Critical Care Fellowship

Dr. Bradley Peterson established San Diego's first pediatric critical care unit, transport and trauma team. He is considered among the father's of modern pediatric critical care medicine and has dedicated his life to caring for critically ill children.

The Bradley Peterson Pediatric Critical Care Fellowship Program has trained and graduated 67 fellows.

### EXPLORING SAN DIEGO

[San Diego Beaches and Parks](#)

[San Diego Zoo](#)

[Balboa Park](#)

[La Jolla](#)

[Coronado](#)

[Go Padres!](#)

## **Name placed on Helicopter used for Transport of Critical Pediatric Patients**

For his dedication and effort to establish a transport system  
Serving all critically ill and injured children in SD County



### **TEACHING:**

Anesthesia at Senior Resident Level –1978-1984 in O.R.  
Pediatric Critical Care PGY4-PGY 6 Level at bedside 1977-2019  
Didactic Weekly Pediatric Critical Care Conference 1984-2019  
Chairman, PICU Morbidity and Mortality Conference 1978-2019  
Co-Chairman -Trauma Morbidity and Mortality Conference 1984 – 2004  
Chairman Transport Morbidity and Mortality Conference 1985-2019

## **PUBLICATIONS:**

1. Peterson B: Morbidity of childhood near drowning. *Pediatrics*. March 59(3): 364-370, 1977
2. Peterson B: Balloon directed pulmonary blood flow. *Critical Care Medicine*. July 9(7): 540-3.
3. Peterson B, Frankel L, Anas N, Perkin R, Seid AB, and Park SM: Use of the anterior cricoid split operation in infants with acquired subglottic stenosis. *Critical Care Medicine*. April 12 (4), 395-8, 1984
4. Peterson B: Guidelines for pediatric intensive care units. *Critical Care Medicine*, Vol. 11, No 9, 753, 1983
5. Peterson B, Lodge FA, Lamberti JJ, Winkler M, et al. Blood conservation during open-heart surgery in infants and children. *The Journal of Extra-Corporeal Technology*, Vol. 16, No 4, 1984
6. Kimmons HC and Peterson B: Management of acute epiglottitis in pediatric patients. *Critical Care Medicine*, Vol. 14, No 4, 1986
7. Murphy JL, Reznik VM, Mendoza S, Peterson B, et al. Use of a guide-wire inserted catheter for acute peritoneal dialysis in children. *International Journal of Pediatric Nephrology*, Oct-Dec; 8(4): 199-202. 1986
8. Hurt TL, Fisher B and Peterson B: Mandibular fractures in association with chin trauma in pediatric patients. *Pediatric Emergency Care*, June 1987
9. Wilson N, Ochs HD, Peterson B, et al: Abnormal primary antibody responses in pediatric trauma patients. *Journal of Pediatrics*, September 1989
10. Murphy J, Hurt TL, Peterson B, et al: Interference with creatinine concentration measurement by high dose furosemide infusion. *Critical Care Medicine*, September 1989
11. Fisher B, Zornow MH, Yaksh TL, and Peterson B: Antinociceptive properties of intrathecal dexmedetomidine in rats. *European Journal of Pharmacology*, June 1991
12. Wilson NW, Gooding A, and Peterson B, et al: Anergy in pediatric head trauma patients. *American Journal of Diseases in children*. Vol. 145(3):326-9. March 1991
13. Reznik VM, Griswold WR, Peterson B, et al: Peritoneal dialysis for acute renal failure in children. *Pediatric Nephrology*, November 5(6) 715-7. 1991

14. Seid AB, Godin MS, Pransky SM, Kearns DB, and Peterson B: The prognostic value of endotracheal tube-air leak following tracheal surgery in children. Arch Otolaryngol Head Neck Surg Vol. 117(8): 880-2. August 1991
15. Bradley JS, Schlievert PM, Peterson B: Toxic shock-like syndrome, a complication of strep throat. Letter to the Editor. The Pediatric Infectious Disease Journal Vol. 10(10): 790. October 1991
16. Fisher B, Thomas D, and Peterson B: Hypertonic saline lowers raised intracranial pressure in children after head trauma. Journal of Neurosurgical Anesthesiology Vol. 4(1): 4-10. January 1992
17. Fisher B, Peterson B, Hicks G: Use of brainstem auditory-evoked response testing to assess neurologic outcome following near drowning in children. Critical Care Medicine, May; 20(5): 578-585. 1992
18. Spear RM, Chadwick D, Peterson B: Fatalities associated with misinterpretation of blood cerebrospinal fluid in the "shaken baby syndrome." Am J Dis Child 146:1415-1417, 1992
19. Sheehan PB, Zornow MH, and Peterson B: The effects of fentanyl and sufentanil on intracranial pressure and cerebral blood flow in rabbits with an acute cryogenic brain injury. Journal of Neurosurgical Anesthesiology Vol. 4, No 4, October 1992
20. Mendoza SA, Griswold, Peterson B, et al: Acute peritoneal dialysis in critically ill infants and children. Dialysis and Transplantation, Vol. 22, No 3, March 1993
21. Reznik VM, Griswold WR, Randolph G. Peterson B, et al: Cost analysis of dialysis modalities for pediatric acute renal failure. Peritoneal Dialysis International, 13(4): 311-3. 1993
22. Goulin GD, Duthie Se, Zornow MH, Scheller MS, and Peterson B: Global cerebral ischemia: Effects of pentastarch following reperfusion. Anesthesiology, June 1993
23. Gooding AM, Bastian JF, and Peterson B, Wilson NW: Safety and efficacy of intravenous immunoglobulin prophylaxis in pediatric head trauma patients: A double blind controlled trial. Journal of Critical Care Medicine, December 1993
24. Gooding AM, Bastian JF, Peterson B, Wilson NW: Immunoglobulins and IgG subclasses in children following severe head injury. Intensive Care Medicine, July 1993
25. Reznik V, Peterson B, and Lemire JM: Optimizing acute peritoneal dialysis in children: The use of peritoneal equilibration curves. Dialysis and Transplantation, January 1994

26. Duthie S, Goulin GD, Zornow M, Scheller M, Peterson B: The effects of THAM and sodium bicarbonate on intracranial pressure and mean arterial pressure in an animal model of focal cerebral injury. *Journal of Neurosurgical Anesthesiology*, January 1994
27. Grossed P, Peterson B, Griswold W, and Reznik V: Hemolytic uremic syndrome associated with pneumococcal pneumonia. *Pediatrics*, April 1995
28. Paulson T, Spear R, and Peterson B: New concepts in the treatment of children with acute respiratory distress syndrome. *Journal of Pediatrics*, Vol. 127, No 2, August 1995
29. Zuhdi M, Spear R, and Peterson B: Fatal air embolism as a complication of lung pneumatoceles in an infant with staphylococcal pneumonia. *The Pediatric Infectious Disease Journal*. 14(9) 811-2. September 1995
30. Duthie S, Peterson B, Cutler J: Successful organ donation in victims of child abuse. *Clinical Transplantation*, Vol 9(5), 415-418. October 1995
31. Zuhdi M, Spear R, Worthen HM, and Peterson B: Percutaneous catheter drainage of tension pneumatocele, secondarily infected pneumatocele, and lung abscess in children. *Critical Care Medicine*. 24(2): 330-3. February 1996
32. Turlapati K, Spear RM, and Peterson B: Percutaneous mediastinal tube placement for pneumomediastinum in children: Hemodynamic response and description of technique. *Critical Care Medicine*, Vol. 24 No 7, 1257-60. July 1996
33. Paulson T, Spear R, Silva T, and Peterson B: High frequency pressure control ventilation in children with acute respiratory distress syndrome. *Journal of Pediatrics*, October 1996
34. Khanna S, Spear RM, Peterson B, Bradley J, Soumekh B, Billman G, Kearns, D: A case of fatal rhinocerebral mucormycosis with new onset diabetic keto-acidosis. *Journal of Diabetes and Its Complications* 12(4):224-227, Jul-Aug 1998
35. Gross M, Spear R, and Peterson B: Helium-oxygen mixture decreases intrapulmonary shunting in mechanically ventilated children with bronchiolitis. *Critical Care Forum* Vol. 4 No. 3 pp188, May 2000
36. Stephanopoulos DE, Monge R, Schell K, Wyckoff P, and Peterson B: Continuous intravenous terbutaline for pediatric status asthmaticus. *Critical Care Medicine* Vol. 26, No. 10, 1998



37. Gross M, Lynch F, Canty T, Peterson B, and Spear R: Management of pediatric liver injuries: A thirteen year experience at a Pediatric Trauma Center. *Journal of Pediatric Surgery*, Vol. 34, No 5, May 1999
38. Schechter R, Peterson B, McGee J, and Idowu O, Bradley J: *Clostridium difficile* colitis associated with infant botulism: Near fatal case analogous to Hirschsprungs enterocolitis. *Clinical Infectious Diseases Journal*, 29(2): 367-74, August 1999
39. Peterson B and Khanna S: Prolonged hypernatremia controls elevated intracranial pressure in head injured patients. *Critical Care Medicine*, 28(4): 1136-43, April 2000
40. Khanna S, David D, Peterson B and Fisher B: Use of hypertonic saline (3% NaCl) in the treatment of severe refractory posttraumatic intracranial hypertension in pediatric traumatic brain injury. *Critical Care Medicine*, 28(4): 1144-51, April 2000
41. Akhtar J, Peterson B and Spear RM: Detection of traumatic brain injury with MRI and S-100 Protein in children despite a normal computer tomography of the brain. *Pediatric Critical Care Med*. Vol. 4. No 3. 391-2. July 2003
42. O'Brien N, DeMott MC, Suchard JR, Clark RF and Peterson B: Recurrent coagulopathy with delayed significant bleeding after crotaline envenomation. *Pediatric Emergency Care*. 25(7) 457-9, July 2009
43. Rafaat K, Spear R, Kuelbs C, Parsapour K and Peterson B: Cranial computed tomographic findings in a large group of children with drowning: Diagnostic, prognostic and forensic implications. *Pediatric Critical Care Medicine*. 2008 Nov;9(6): 567-72
44. O'Brien NF; Reuter-Rice KE; Khanna S; Peterson BM; Quinto KB: Vasospasm in children with traumatic brain injury. *Intensive Care Med* (2010) Apr; 36(4): 680-7
45. Niedner MF, Foley J, Riffenburgh RH, Bichell DP, Peterson BM and Rodarte A: B-Type natriuretic peptide in children: Perioperative patterns in Congenital Heart Disease. *Congenital Heart Disease* 5(3):243-255, May/June 2010
46. Swanson CA, Burns JC, Peterson BM. Low plasma D-dimer concentration predicts the absence of traumatic brain injury in children. *J Trauma*. 2010 May; 68(5):1072-7
47. Colasacco C, Worthen M, Peterson B, Lamberti J, Spear R: Near-infrared spectroscopy monitoring to predict post-operative renal insufficiency following repair of congenital heart disease. *World Journal for Pediatric and Congenital Heart Surgery* 2011; 2(4): 536-540

48. Gonda DD, Meltzer HS, Crawford JR, Hilfiker ML, Shellington DK, Peterson BM, and Levy ML: Complications associated with prolonged hypertonic saline therapy in children with elevated intracranial pressure. *Pediatric Critical Care Medicine*. 2013; 14 (6): 610-620
49. Reuter-Rice KE, Peterson BM. Conventional and Unconventional Life-saving Therapies in an Adolescent with Amlodipine Ingestion. *Crit Care Nurse*. 2016 Aug; 36(4):64-9. doi: 10.4037/ccn2016524. PMID: 27481803

### **Abstracts:**

1. Peterson B, Frankel LR: Intracranial pressure monitoring in pediatric head trauma. *Clinical Research Volume 32 #1, 116A* February 1984
2. Peterson B, Frankel LR: Non-accidental head injury in the pediatric patient: The use of intracranial pressure monitoring. *Clinical Research Volume 32 #1, 116A* February 1984
3. Scheller J, Peterson B, Trauner D, et al: Computed tomographic scans, Glasgow coma scale, and Outcome in childhood head trauma. *Annals of Neurology Volume 22 #3, September 1987*
4. Wilson N, Peterson B. et al: Alterations of cellular immunity in children after major trauma. *American College of Allergy, Boston, Nov. 1987; Journal of Allergy and Clinical Immunology, March 1988*
5. Lindsay JN, Rodarte A, and Peterson B, et al: Reduced staffing of a pediatric trauma center at night. *Annals of Emergency Medicine, 17:4, April 1988*
6. Wilson NW, Wu YP, Peterson B, et al: Selective IgG Subclass deficiency in pediatric head trauma patients. *Society for Pediatric Research, Washington, DC, May 1989*
7. Peterson B, Waltz T, et al: Use of hypertonic saline in the management of severe pediatric brain injury. *Journal of Emergency Medicine, June 1988*
8. Fisher B and Peterson B: Prospective study utilizing hypertonic saline to control raised intracranial pressure in children after head trauma. *The National Conference on Pediatric Trauma, Ann Arbor, Michigan, September 1989*
9. Mason J, Lynch F, Peterson B and Kitchen L: Cervical spine injuries in children. A four-year experience at a Pediatric Trauma Center. *The National Conference on Pediatric Trauma, Ann Arbor, Michigan, September 1989*

10. Reznik VM, Griswold WR, Peterson B, et al: Acute renal failure (ARF) in children: Is peritoneal dialysis (PD) the treatment of choice? The American Pediatric Society - The Society for Pediatric Research, January 1990
11. Park GS, Peterson B, Bradley JS: A simple prognostic score in acute meningococemia. Presented at the Pediatric Critical Care Colloquium, Waterville Valley, NH, October 1990
12. Sample TG, Spear RM, Peterson B: Blunt abdominal trauma in children: Correlation of serum alanine aminotransferase values with computer tomographic findings of hepatic injury. First World Congress of Pediatric Intensive Care, Baltimore, MD, June 1992
12. Stephanopoulos D, Mainwaring R, and Peterson B: Pediatric cardiac contusions: An 8-year retrospective review. National Conference on Pediatric Trauma, Indianapolis, IN, September 1992
13. Paulson TE, Spear RM, and Peterson B: Improved survival using high frequency pressure control ventilation with high PEEP in children with ARDS. (Presented at Sixth Pediatric Critical Care Colloquium, Philadelphia, PA, March 1993
14. Paulson TE, Spear RM, and Peterson B: Improved survival using high frequency pressure control ventilation with high PEEP in children with ARDS. Crit Care Med 21:S290, (Presented at meeting of Society of Critical Care Medicine, New York, NY, June 1993
15. Stephanopoulos D, Spear RM, Bradley J, and Peterson B: Peptic ulcer perforation in Neonates with dexamethasone adjuvant therapy for gram-negative bacillary meningitis. 93<sup>rd</sup> Meeting of American Society for Microbiology, Abstract A-54, Atlanta, 1993
16. Stephanopoulos D, Peterson B: Atrial natriuretic factor release in pediatric head injury patients causing clinically significant hyponatremia. Seventh Pediatric Critical Care Colloquium. Seattle, WA October 26-29, 1994
17. Zuhdi M, Spear RM, Worthen HM, and Peterson B: Percutaneous catheter drainage of infected pneumatocele and lung abscess in children. (Presented at meeting of Society of Critical Care Medicine, San Francisco, CA, February 1995)
18. Pautler M, Senac M, Spear RM, Peterson B: Delayed diagnosis of congenital Diaphragmatic hernia simulating pneumonia with empyema. (Presented at meeting of Society of Critical Care Medicine, San Francisco, CA February 1995)

19. Zuhdi M, Spear RM, and Peterson B: Management of respiratory failure in children with myasthenia gravis. (Presented at meeting of Society of Critical Care Medicine, San Francisco, CA, February 1995)
20. Turlapati KM, Spear RM, Peterson B: Mediastinal tube placement in children: Hemodynamic changes and description of technique. (Presented at meeting of Society of Critical Care Medicine, San Francisco, CA, February 1995)
21. Yu HC, Zuhdi M, Spear RM, and Peterson B: Complications of bedside pulmonary artery catheter in children. (Presented at the Eighth Pediatric Critical Care Colloquium, Sea Island, Georgia, October 1995)
22. Stephanopoulos D, Schell K, Wyckoff P and Peterson B: High dose intravenous terbutaline in pediatric status asthmatics. (Oral presentation at the Eighth Annual Pediatric Critical Care Colloquium, Sea Island, Georgia, October 11, 1995)
22. Monge R, Spear RM, Peterson B, Zuhdi M: Low incidence of complications from percutaneous subclavian central venous catheter insertion in infants and children less than 2 years of age. (Poster presentation at the Ninth Annual Pediatric Critical Care Colloquium, Milwaukee, Wisconsin, September 1996)
23. Yu HC, Spear RM, Mullany JP, and Peterson B: Dose-response of inhaled nitric oxide (INO) in children with severe acute lung disease. (Presented at the Ninth Annual Pediatric Critical Care Colloquium, Milwaukee, Wisconsin, September 1996)
24. Nemerson SF, Mullany JP, and Peterson B: The fastrac method for securing endotracheal tubes in the Pediatric Intensive Care Unit. (Poster presentation at the 7<sup>th</sup> World Congress of Intensive and Critical Care Medicine, Ottawa, Canada, July 1997)
25. Fagan M, James HE, and Peterson B: Results of intracranial pressure monitoring: A clinical report on methods employed in the 1996 year and future projections. (Poster presentation at the Tenth Annual Pediatric Critical Care Colloquium, Hot Springs, Arkansas, September 1997)
26. Khanna K, Fisher B, Peterson B: Prolonged Hyponatremia Safely Controls Elevated Intracranial Pressure in Pediatric Head Injury Patients. (Poster presentation at the Society of Critical Care Medicine, 27<sup>th</sup> Educational and Scientific Symposium, San Antonio, Texas February 2-8, 1998)
27. Khanna S, Davis D, Fisher B, Peterson B: Use of Hypertonic Saline (3%NaCl) in the Treatment of Resistant Intracranial Hypertension in Pediatric Head Injured Patients. (Oral presentation to the Section on Critical Care of the American Academy of Pediatrics, San Francisco, CA October 1998)

28. Gross M, Lynch F, Canty T, Peterson B, and Spear R: Management of Pediatric Liver Injuries: A thirteen-year experience at a Pediatric Trauma Center. (Oral presentation at the 50<sup>th</sup> anniversary meeting of the Surgical Section of the American Academy of Pediatrics, San Francisco, CA October 1998)
29. Powel V, Peterson B, Griswold W: Continuous Venovenous Hemodiafiltration with Citrate Anticoagulant in Critical Ill Pediatric Patients. (Poster presentation at the Society of Critical Care Medicine, San Francisco, CA January 1999)
30. Khanna S, Davis D, Fisher B, Peterson B: Use of Hypertonic Saline (3% NaCl) in the Treatment of Severe Refractory Posttraumatic Intracranial Hypertension in Pediatric Head Injured Patients. (Poster presentation at Society of Critical Care Medicine, San Francisco, CA January 1999) Paper received 1998 Educational Scholarship Award.
31. Gross M, Spear R, and Peterson B: Helium-oxygen mixture decreases intrapulmonary shunting in mechanically ventilated children with bronchiolitis. (Presented at Society of Critical Care Medicine's 28<sup>th</sup> Educational and Scientific Symposium, San Francisco, CA. January 1999)
32. Franzon D, Duthie S and Peterson B: Comparing calf blood pressure measurements with direct arterial measurements in a pediatric intensive care unit. (Presented at the Fourteenth Annual Pediatric Critical Care Colloquium, San Diego, CA October 2-5,2002)
33. Parsapour K, Fathi A, Rafaat K and Peterson B: 3% Hypertonic saline may improve concussive symptoms. (Poster presentation at the SCCM Critical Care Congress, San Francisco, CA, January 2006) Critical Care Medicine. December 2005; 33(12):A49 (183-S)
34. Parsapour K, Fathi A, Rafaat K and Peterson B: 3% Hypertonic saline may improve concussive symptoms: (Oral presentation at the 16<sup>th</sup> Pediatric Critical Care Colloquium, Snowbird, Utah, February 2006) Pediatric Critical Care Medicine. Abstract Translations 7(5): 514, September 2006
35. Fathi A, Parsapour K, Rodarte A, and Peterson B: Aerosolized Prostacyclin (PGI<sub>2</sub>) vs. Inhaled nitric oxide (iNO) in acute respiratory distress syndrome in pediatric patients: A randomized controlled pilot trial. (Poster presentation at the 16<sup>th</sup> Pediatric Critical Care Colloquium, Snowbird, Utah, February 2006) Pediatric Critical Care Medicine. Abstract supplement 7(5) 507, September 2006
36. Colasacco C, Worthen M, Peterson B, Lamberti J and Spear R: Near-infrared spectroscopy (NIRS) monitoring predicts post-operative renal insufficiency following repair of congenital heart disease. Poster Presentation at the 37<sup>th</sup> Critical Care Congress in Honolulu, Hawaii, February 2-6, 2008. Critical Care Medicine. Abstract Supplement: 35(12) A87, December 2007

37. Rafaat K and Peterson B: Computed tomographic findings in a large group of children with near-drowning. Poster Presentation at the 37<sup>th</sup> Critical Care Congress in Honolulu, Hawaii, February 2-6, 2008. Critical Care Medicine. Abstract Supplement 35(12) A176, December 2007
38. Khanna S, Mauro M, Foley J, Peterson B, Spear R and Estarziou M. Elevation of serum magnesium concentration with continuous infusion has no major adverse hemodynamic effects in children with traumatic brain injury. Presented at the 17<sup>th</sup> Annual Pediatric Critical Care Colloquium, Whistler BC, February 2008. Pediatric Critical Care Medicine. Abstract Supplement: 9(3): 357, May 2008
39. Murdock-Vlautin T, Peterson B, Foley J, Riffenburgh R: Helium-Oxygen Gas as an Adjuvant Therapy in Pediatric Patients with Acute Respiratory Distress Syndrome. Poster presentation at the 17<sup>th</sup> Annual Pediatric Critical Care Colloquium, Whistler BC, February 2008. Pediatric Critical Care Medicine. Abstract Supplement: 9(3): 358, May 2008
40. Mannheimer A, Foley J, Khanna S, Lamberti J, and Peterson B: Does Mannitol decrease cerebral venous congestion and post-operative irritability in Pediatric Bi-Directional Cavopulmonary Shunt Patients? Poster Presentation at Cardiology 2009 in the Bahamas, February 2009
41. Swanson C, Burns J, and Peterson B: Low plasma d-dimer predicts the absence of brain injury in children. Poster presentation at the Canadian Critical Care Conference, Whistler, BC, February 2009
42. Swanson C, Burns J, and Peterson B: D-dimer and brain injury in children: Clinical implications. Poster Presentation at the American Thoracic Society Conference. San Diego, CA. May 2009. Am J Respir Crit Care Med 179, 2009: A1609
43. Recalde F, Fisher B, Spear, R, Peterson B: Serum D-Dimer Level Predicts Absence of Significant Brain Injury After Trauma In Children. Poster presentation at the American Academy of Pediatrics National Conference and Exhibition. Boston, MA October 15-18, 2011.
44. Frugoni B, Khanna S, Bush R, Peterson B, Shellington D: Endotracheal Tube Exchange in Pediatric Patients after Transfer from Non-Pediatric Facilities. Poster presentation at the Society of Critical Care Medicine, 42nd Critical Care Congress, San Juan, Puerto Rico, January 19-23, 2013. Critical Care Medicine. 40(12):445, December 2012.
45. Harvey H, Malicki D, Bush R, Hilfiker M, Peterson B, Shellington D: Thromboelastography Reveals Abnormalities Not Detected on Traditional Coagulation Studies After Pediatric Traumatic Brain Injury. Poster presentation at the Society of Critical Care Medicine, 42nd Critical Care Congress, San Juan, Puerto Rico, January 19-23, 2013. Critical Care Medicine. 40(12):227, December 2012

46. Bui PN, Foley J, Lamberti J, Nigam V; Vaughn G, Peterson B, Duthie S, Shellington D. Intracranial Hemorrhage After Cardiopulmonary Bypass for Correction of Congenital Heart Disease. Poster presentation at the Society of Critical Care Medicine, 44th Critical Care Congress, Phoenix, AZ, January 17-21, 2015. Crit Care Med 42(12) (Supplement 1): A1499, December 2014.
47. Kim A, Foley J, Kantor E, Hilfiker M, Peterson B, Shellington D. Secondary Brain Insults During Interfacility Transport After Pediatric Traumatic Brain Injury. Poster presentation at the Society of Critical Care Medicine, 44th Critical Care Congress, Phoenix, AZ, January 17-21, 2015. Crit Care Med 42(12) (Supplement 1): A1499, December 2014.
48. Harvey H, Duthie S, Cannavino C, Hilfiker M, Peterson B, Shellington D. Infectious complications after open, depressed skull fractures do not vary with choice of antibiotic prophylaxis regimen. Poster presentation at the 2015 Surgical Infection Society meeting in Westlake Village, CA, April 15 – 18, 2015. Surgical Infections. Apr 2015, 16(S1): S-33, p. 41
49. Guardenier, A, Hilfiker M, Peterson B, Shellington D. 1261: Acute Paraplegia after Minor Trauma due to Artery of Ademkiewicz Thrombosis. Poster presentation at the Society of Critical Care Medicine, 45th Critical Care Congress, Orlando, FL. Feb 20-24, 2016. Crit Care Med 43(12) (Supplement 1):317, December 2015
50. Guardenier A, Peterson B, Hilfiker M, Shellington D. 1170: Acute Renal Failure in Pediatric Patients after Moderate to Severe Traumatic Brain Injury. Poster presentation at the Society of Critical Care Medicine, 45th Critical Care Congress, Orlando, FL. Feb 20-24, 2016. Crit Care Med 43(12) (Supplement 1):294, December 2015
51. Law W, Duthie S, Peterson B, Shellington D. 395: Acquired Antithrombin 3 Deficiency in Pediatric Patients with Peritoneal and Pleural Drainage. Poster presentation at the Society of Critical Care Medicine, 45th Critical Care Congress, Orlando, FL. Feb 20-24, 2016. Crit Care Med 43(12) (Supplement 1):100, December 2015

### **Book Chapters:**

1. Chadwick DL and Peterson B: Evaluating Critically Ill and Injured Children for Intentional Injury. In: Bradley P. Fuhrman and Jerry J. Zimmerman. *Pediatric Critical Care*. St. Louis, Missouri: Mosby-Year Book, December 1991

2. Moulton S, Lynch F and Peterson B: Decision making and Trauma Management: A team approach. Chapter: Resuscitation of the pediatric trauma victim. In: Mancini B, Klein J, eds. Philadelphia: BC Decker, 1991
3. Peterson B and Hurt T: Vascular access and monitoring of the critically injured child. Textbook of the Management of Pediatric Trauma. William L. Buntain, MD (editor) W.B. Saunders, December 1993
4. Peterson BM, Chadwick DL. Evaluating critically ill and injury children for intentional injury. 2<sup>nd</sup> Edition – In: Bradley P. Fuhrman and Jerry J. Zimmerman. *Pediatric Critical Care*. 2<sup>nd</sup> Ed. Chapter 7. St. Louis, Missouri: Mosby-Year Book; 1998.
5. Peterson B and Duthie S: Chapter 248 - Pediatric Trauma, Textbook of Critical Care, 5<sup>th</sup> Edition. Edited by Fink, et al. 2005
6. Peterson B, Duthie S. Pediatric Trauma. In JL Vincent, et al (Eds.), Textbook of Critical Care, 6th Edition (Chapter 210, pp 1529-1542). Philadelphia: Elsevier Saunders, 2011
7. Nathalang D, Peterson B, Pulmonary Edema. In: *Textbook of Clinical Pediatrics, 2<sup>nd</sup> Edition*. Edited by AY Elzouki, HA Harfi and H Nazer, FB Stapleton, W Oh, RJ Whitley. Springer-Verlag Berlin and Heidelberg GmbH & Co. K, pp. 2163-2170, 2012.

**Presentations:** Regional/National/International

Morbidity of Near Drowning, Western Society of Pediatric Research, Carmel, CA, May 1975

American Academy of Pediatrics, Section on Anesthesia and Critical Care, Cerebral Resuscitation of Near Drowning Victims, April 1977

Hospital for Sick Children, Toronto, Canada, Conference on Cerebral Resuscitation, November 1981, Cerebral Resuscitation in Near Drowning

Internal Conference on Pediatric Surgical Care, Mexico. Treatment of Septic Shock in Children, 1980, Medical, Mexico

San Diego-Tijuana Binational Pediatric Conference, Septic Shock, 1982

Federation of Western Societies of Neurological Science. Management of Pediatric Head Injury, San Diego, CA, February 1985

American Association of Critical Care, San Diego, CA. Near Drowning, May 1985



Coconino County Medical Society, Flagstaff, Arizona  
Acute Head Injuries            1985  
Near Drowning                    1985

American Academy of Pediatrics Spring Meeting, Orlando Florida.  
Directed seminar on Intensive Care, April 1986

California Health Service Conference: Current trends in childhood injuries and strategies for Drowning Prevention in California, Pediatric Trauma Care System. Sacramento, CA, September 1986

National Pediatric Trauma Conference 1986: The Practice and the Controversies:  
Panel: ICU Determinants of Mortality and Morbidity  
Panel: Head Injury in Children  
Panel: Controversies in Pediatric Resuscitation: Complications of Central Venous Lines.  
San Diego, CA, September 1986

Meeting of the American Academy of Pediatrics, Washington, DC  
Directed seminar on Intensive Care, November 1986

National Conference on Pediatric Trauma: Use of Hypertonic Saline in the management of Severe Pediatric Brain Injury. Boston, Ma, September 1987

The Critical Link Conference: Children's Hospital-Los Angeles and Children's Hospital-San Diego: Cerebral Resuscitation, San Diego, CA, May 1988

National Pediatric Critical Care Nursing Conference: San Diego, CA. Hyper osmotic therapy and use of 3% saline for the child with head injury. October 1988

Society of Critical Care Meeting: Pediatric Critical Care Review Series - Part I. Anoxic Encephalopathy - Near Drowning. New Orleans, LA, June 1989

Poster Presentation: Determination of neurological recovery by brainstem auditory evoked responses after near drowning in children. (Selected as best clinical research)  
New Orleans, LA, June 1989

Pediatric Critical Care Colloquium: Waterville Valley, NH. A simple prognostic score in acute meningococemia. October 1990

American Academy of Pediatrics - Spring Session. Chair, Pathophysiology and Management of Trauma. San Diego, CA, March 1991

American Academy of Pediatrics - Spring Session. Prognosis in Near Drowning. San Diego, CA. March 1991

XXVII Congreso Nacional de Cirugia Pediatrica. Resuscitation of the Trauma Patient. (Resucitacion del paciente traumatizado) Tijuana, B.C.N. September 1994

Emergency Medical Services: Vision for Tomorrow - A model for emergency and critical care services for children. Panel: Specialized Centers (PCC, PTC, GTC and Rehab) San Francisco, CA. April 1995

10<sup>th</sup> Annual California Trauma Conference: Managing Head Injured Children – The Pediatric Intensivist. Catamaran Resort Hotel, San Diego, CA. January 14, 2000

3<sup>RD</sup> World Congress on Pediatric Intensive Care: ICU Management Has Altered Outcomes of Brain Injury Over the Past Decade (Debate Session) Montreal, Canada. June 24-29, 2000

3<sup>rd</sup> World Congress on Pediatric Intensive Care: Traumatic Injury of Brain: Management Strategies (Workshop Session) Montreal, Canada. June 24-29, 2000

Pediatric Academic Societies' Annual Meeting: Secondary Cerebral Swelling and the Use of Hypertonic Saline. Baltimore, Maryland, April 28 – May 1, 2001

First San Diego Pediatric Trauma Conference: Moderator and Panelist. Encephalopathy, Cerebrovascular and Others) - San Diego, California. October 2-5, 2002

First San Diego Pediatric Trauma Conference: Trauma Session II: Management of the Critically Injured Child. Critical Care of the Pediatric Trauma Patient – A Critical Care Physician's Perspective. San Diego, California. October 2-5, 2002

Society of Critical Care Medicine – 33<sup>rd</sup> Critical Care Congress: Hypertonic Saline for Cerebral Edema. Orlando, Florida, February 19-25, 2004

Critical Care Colloquium: Moderator and Panelist. ICU In-House 24-Hour Care. New York, New York. October 2004

Society of Critical Care Medicine – 33<sup>rd</sup> Critical Care Congress: Hypertonic Saline for Cerebral Edema. Orlando, Florida February 19-25, 2004

Critical Care Colloquium: Moderator and Panelist. ICU In-House 24-Hour Care. New York, NY. September 30-October 2, 2004

Scuola Internazionale di Scienze Pediatriche, Istituto Giannina Gaslini, Genova Italy: Pathophysiology of Traumatic Brain Injury. December 6, 2006

Society of Critical Care Medicine – 36<sup>th</sup> Critical Care Congress: Osmolar Therapy in Traumatic Brain Injury. Orlando, Florida, February 16-21, 2007

## **Presentations: Local**

University of California, San Diego. Invasive Monitoring in Pediatrics, 1980

University of California, San Diego. Intensive Care for Neurological Injuries and Head Trauma in Children, June 1981

University of California, San Diego. Conference on Neurological Intensive Care, December 1981

University of California, San Diego. Pediatric Grand Rounds

Near Drowning 1975

Adult Respiratory Distress Syndrome 1979

Head Trauma in Children 1980

Children's Hospital Grand Rounds:

Cerebral Resuscitation 1979

Head Trauma 1981

Tri City Hospital and North City Health Center:

Head Trauma in Pediatric 1983

City Wide Trauma Conference, Scripps Hospital:

Head Trauma in Pediatrics 1984

Children's Hospital - San Diego

Pediatric Trauma 1981

Pediatric Trauma 1984

University of California, San Diego

Trauma Management 1984

Neurological Intensive Care of Head Injured Children:

Children's Hospital Trauma Grand Rounds 1984

Joanna Maida Leukemia Foundation - Telethon Board, San Diego, CA. April 1986

San Diego Chapter of the American Association of Critical Care Nurses:

Neuro Trauma: A Critical Care Update. Mercy Hospital San Diego, CA. May 1986

Grand Rounds Summer Series: Drowning and other injuries in Children.

Children's Hospital - San Diego, CA. July 1993

## **Lectures at Rady Children's Hospital – San Diego**

Diffuse Brain Swelling: Osmotic Therapy  
Hypertonic Saline : physiology and pathophysiology  
Hypertonic Saline and Cerebral Pathophysiology  
Lund Concept and Brain Swelling  
Pulmonary Edema  
Acute Respiratory Distress Syndrome  
High frequency – low stretch ventilation  
Non-conventional ventilation  
Systolic Function of Heart  
Diastolic Function of Heart  
Management of Post Cardiac Bypass – Cardiac Dysfunction  
Myocarditis  
Shock  
Cardiogenic Shock  
Distributive Shock  
Septic Shock  
Meningococemia  
Toxic Shock Syndrome  
DVT and Pulmonary Embolus in Pediatric Patients  
Renal Failure and CRRT  
Hemolytic Uremic Syndrome  
Management of Hyperammonemia  
Management of Cardiac Arrest  
Cardiopulmonary Cerebral Resuscitation  
BSER for Determination of Prognosis in Cardiac Arrest  
CT Head for Determination of Prognosis in Near Drowning Cardiac Arrest  
Brain Death  
Near Drowning: Pathophysiology  
Pediatric Trauma Resuscitation  
Pathophysiology of Traumatic Brain Injury  
Blunt Chest Trauma  
History of Pediatric Critical Care