

CURRICULUM VITAE

BIOGRAPHICAL

NAME: P. David Adelson, MD, FACS, FAAP

BUSINESS ADDRESS: Phoenix Children's Hospital
Barrow Neurological Institute at Phoenix Children's Hospital
Building B, 4th Floor
1919 East Thomas Road,
Phoenix, Arizona 85016

CONTACT: Office: (602) 933-0923
FAX: (602) 933-0445
Email : dadelson@phoenixchildrens.com

MARITAL STATUS: Married; (Barbara Jean Adelson); 5 children

CURRENT POSITION: Director, Barrow Neurological Institute at Phoenix Children's Hospital
Chief, Department of Neurosurgery
Phoenix Children's Hospital

Chief, Pediatric Neurosurgery/ Neurosciences
Barrow Neurological Institute
Phoenix, AZ

EDUCATION AND TRAINING

UNDERGRADUATE

1978- 1982 Columbia College B.A., Philosophy/ Biology
Columbia University
New York, New York

GRADUATE

1982- 1986 College of Physicians and Surgeons M.D., Medicine
Columbia University,
New York, New York

POST GRADUATE

1986-1992 UCLA School of Medicine Resident in Surgery/ Neurosurgery
Los Angeles, California Dr. Donald P. Becker

1992-1993 UCLA School of Medicine, Chief Resident in Neurosurgery
Los Angeles, California Dr. Donald P. Becker

1993- 1994 Children's Hospital of Boston Fellow in Pediatric Neurosurgery
Harvard Medical School Dr. Peter McL. Black
Boston, Massachusetts Dr. R. Michael Scott

CURRENT APPOINTMENTS AND POSITIONS

- 2009 – Director, Phoenix Children’s Neuroscience Institute
Chief, Pediatric Neurosurgery/ Neurosciences, Phoenix Children’s Hospital,
Phoenix, AZ
- 2009 – Adjunct Faculty, School of Biological and Health Systems Engineering, Arizona
State University Tempe, AZ
- 2009 – Affiliate Research Faculty, Arizona Emergency Medicine Research Center,
University of Arizona, Tucson, AZ
- 2009 – Neurological Surgery Faculty, Barrow Neurological Institute, Phoenix, AZ
- 2010 – Clinical Professor of Surgery/Neurosurgery, University of Arizona, Phoenix, AZ
- 2011 – Chief, Pediatric Neurosurgery/Neurosciences, Barrow Neurological Institute,
Phoenix, AZ
- 2011 – Director, Barrow Neurological Institute at Phoenix Children’s Hospital, Phoenix, AZ

PREVIOUS APPOINTMENTS AND POSITIONS

- 2007 – 2008 A. Leland Albright Endowed Chair of Neurological Surgery/Pediatric Neurosurgery
- 2003 – 2008 Vice Chairman (Research), Department of Neurosurgery, University of Pittsburgh
Medical Center, Pittsburgh, PA (Reappointed 2007)
- 2003 – 2008 Professor of Neurosurgery, (Tenured), University of Pittsburgh School of Medicine,
Children’s Hospital of Pittsburgh, Pittsburgh, PA
- 1999 – 2003 Associate Professor of Neurosurgery, (Tenured), University of Pittsburgh School of
Medicine, Children’s Hospital of Pittsburgh, Pittsburgh, PA
- 1994 – 1999 Assistant Professor of Neurosurgery, Children's Hospital of Pittsburgh
University of Pittsburgh, Pittsburgh, PA
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- 2008 Director, Center for Injury Research and Control (CIRCL), University of
Pittsburgh, Pittsburgh, PA
- 2003 – 2008 Director, Walter L. Copeland Neurosurgical Research Laboratory, University of
Pittsburgh, Pittsburgh, PA
- 1997 – 1998 Associate Director, Center for Injury Research and Control (CIRCL), University of
Pittsburgh, Pittsburgh, PA
- 1995 – 2008 Director, University of Pittsburgh Brachial Plexus/ Peripheral Nerve
Injury Center, Pittsburgh, PA
- 1994 – 2008 Director, University of Pittsburgh Surgical Epilepsy Program, Pittsburgh, PA
- 1994 – 2008 Director, Children’s Hospital of Pittsburgh Pediatric Neurotrauma,
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- 1999 – 2008 Associate Director, General Clinical Research Center (GCRC), Children’s
Hospital of Pittsburgh, Pittsburgh, PA
- 1998 – 2005 Associate Medical Director, Benedum Trauma Center, Children’s Hospital

of Pittsburgh, Pittsburgh, PA

1995 – 2005 Director of Trauma Research, Benedum Trauma Center, Children’s Hospital of Pittsburgh, Pittsburgh, PA

1998- 1999 Member, Pittsburgh Adolescent Alcohol Research Center (PAARC)

1998- 1999 Member, Center for Education and Drug Abuse Research (CEDAR)

1995- 2008 Consultant Staff, The Rehabilitation Institute, Pittsburgh, PA

1995- 2008 Consultant Staff, Veteran's Administration Medical Center, Pittsburgh, PA

1995- 2008 Visiting Scientist, Safar Center for Resuscitation Research, Pittsburgh, PA

Privileges

2009 - Present Phoenix Children’s Hospital, Phoenix, AZ

2009 - Present St. Joseph's Children's Health Center, Phoenix, AZ

2009 - Present Barrow Neurological Institute, Phoenix, AZ

2011 – Present Maricopa Integrated Health Services, Phoenix, AZ

CERTIFICATION AND LICENSURE

Specialty Certification

November 2009 American Board of Pediatric Neurological Surgery, Recertified

April 27, 1998 American Board of Pediatric Neurological Surgery

November 12, 1997 American Board of Neurological Surgeons

1987 National Boards Part I, II, and III

1992 American Board of Neurological Surgery, Primary Exam

Advanced Trauma Life Support (ATLS)

Medical Licensure

1994 Pennsylvania MD-052592-L

2008 Arizona MD # 41252

VISITING PROFESSORSHIPS AND INVITED/ NAMED LECTURESHIPS

2012 2nd Annual J. Douglas Miller Lecturer, AANS/ CNS Section for Neurotrauma and Critical Care. American Association of Neurological Surgeons. Miami, FL. April 2012

2011 Invited Lecturer. 14th World Federation of Neurosurgical Society. Recife, Brazil. September 2011

- Invited Lecturer. EANS Training Course. Marseille France. August 2011
- Keynote Speaker. 6th World Congress of Pediatric Critical Care, Sydney, Australia, March 2011
- 16th Annual Congress of the Spanish Society of Neurosurgery, Madrid, Spain, May 2011
- 2010 Anthony Gallo Jr. Lectureship and Visiting Professorship, Oregon Health & Science University Portland, Oregon, February 2010
- Keynote Speaker. 5th Annual Traumatic Brain Injury Symposium, Barrow Neurological Institute, Phoenix, AZ, March 26, 2010
- Keynote Speaker, Karolinska University Stockholm, Sweden June 2010
- Visiting Professor, University of Florida, McKnight Institute and Department of Neurosurgery, Gainesville, Florida, June 2010
- Keynote Speaker. 14th International Intracranial and Brain Monitoring Symposium, Tubingen, Germany, September 14, 2010
- Peter N. Tandon Honored Lecturer. NEUROCON 2010 Neurosurgical Society of India and Congress of Neurological Surgeons, Jaipur, India, December 2010.
- 2008 Semmes Murphy Clinic, University of Tennessee, Department of Neurosurgery, Memphis, Tennessee, January, 2008
- Distinguished Visiting Neurosurgeon, University of Connecticut, Connecticut Children's Hospital, Hartford, Connecticut, April, 2008
- Visiting Professor, Phoenix Children's Hospital, Children's Neuroscience Institute, Phoenix, Arizona, June, 2008
- Visiting Professor, UCLA School of Medicine, Los Angeles, CA, December, 2008
- Visiting Professor, Children's Hospital of Los Angeles, Los Angeles, CA, December, 2008
- 2007 Keynote Speaker, University of Nevada, Las Vegas, 1st Annual Pediatric Trauma Symposium, Las Vegas, NV
- John and Sabina Frew Lectureship/ Visiting Professorship, Indiana Neurosurgical/ Indiana University, Indianapolis, Indiana
- Visiting Professor, Louisiana State University, Shreveport, Department of Neurosurgery, Shreveport, Louisiana
- Visiting Professor, Virginia Commonwealth University, Department of Anatomy, Richmond, Virginia
- 2006 Visiting Professor, University of Medicine and Dentistry, Department of Neurosurgery, New Jersey, Newark, New Jersey
- 2003 Visiting Professor, University of Florida, McKnight Institute and Department of Neurosurgery, Gainesville, Florida
- Visiting Professor, Schneider Children's Hospital, Department of Neurosurgery, Long Island, New York

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

- 2000 Visiting Professor, University of California, Los Angeles, Department of Neurosurgery, Los Angeles, California
- 1998 Visiting Professor, University of Arkansas, Department of Neurosurgery, Little Rock, Arkansas
- 1999 Visiting Professor, Valley Children's Hospital, Department of Pediatrics, University of California, San Francisco, California
- 1999 Visiting Professor, Temple University, Department of Neurosurgery, Philadelphia, Pennsylvania
- 1995 John Heberling Memorial Lecture, Pittsburgh, Pennsylvania
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MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Academy of Pediatrics
American Academy of Neurological Surgeons
American Association of Neurological Surgeons
American College of Surgeons
American Epilepsy Society
American Society of Pediatric Neurosurgeons
Congress of Neurological Surgeons
Hydrocephalus Association
International Neurotrauma Society
International Society for Pediatric Neurosurgery
Joint Section on Pediatric Neurosurgery (AANS/ CNS)
Joint Section on Neurotrauma and Critical Care (AANS/ CNS)
National Neurotrauma Society
Society of University Neurosurgeons

HONORS / AWARDS

- 2011 Best Doctors of America- Neurological Surgery (Top 1% in United States)
- 2011 Surgeon of the Year, Arizona Business Times
- 2010 Best Doctors of America-Neurological Surgery/Pediatric Neurosurgery
- 2010 Who's Who in America
- 2010 America's Top Doctor
- 2009 Who's Who Among Executives and Professionals
- 2009 Best Doctors of America-Neurological Surgery/Pediatric Neurosurgery
- 2008 Best Doctors of America-Neurological Surgery/Pediatric Neurosurgery
- 2007 Best Doctors of America-Neurological Surgery/Pediatric Neurosurgery
- 2006 Best Doctors of America-Neurological Surgery/Pediatric Neurosurgery
- 2002 Best Doctors of America- Neurological Surgery/ Pediatric Neurosurgery
- 2002 Honored Member, Strathmore's Who's Who Edition 2002-2003

- 2001 Outstanding Surgeon, Honorable Mention, Critical Care Staff Award
- 2000 Fellow, American Academy of Pediatrics
- 1999 Fellow, American College of Surgeons
- 1998 Young Investigator Award, Brain Injury Association
- 1998 Best Doctors of America- Neurological Surgery/ Pediatric Neurosurgery
- 1998 Congress of Neurological Surgeons Clinical Investigation Scholarship Award
- 1996 Best Doctors of America: Northeast- Neurological Surgery/ Pediatric Neurosurgery
- 1995 Dr. John A. Heberling Memorial Lecturer
- 1993 Outstanding Physician Award- UCLA Medical Center Nursing Service
- 1992 Giannini Foundation Postdoctoral Scholar
- 1992 Kenneth Shulman Award- Pediatric Section of AANS (Award for Excellence in Resident Research)
- 1991 New Medico Head Injury Sponsorship- (Award for Head Injury Research)
- 1981 Volunteer Service Award- Greater New York Services
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PUBLICATIONS

REFEREED ARTICLES

1. Marboe C, Schwartz RA, **Adelson D**, Escala E, Weiss M, Fenoglio J. Active myocarditis with fibrosis: Poor correlation of ejection fraction with histology of follow-up biopsy. European Heart Journal 8: Suppl. J: 1987.
2. Hovda DA, Villablanca JR, **Adelson PD**. Anatomical and metabolic cortico-tectal neuroplasticity after neonatal cerebral hemispherectomy: Correlations with visual field sparing. Brain Dysfunction 5:3-26, 1992.
3. **Adelson PD**, Peacock WJ, Chugani H, Comair Y, Vinters H, Shields WD, Shewmon DA. Temporal and extended temporal resection in early childhood. Pediatric Neurosurgery 18:169-178, 1992.
4. Sutton RL, Hovda DA, **Adelson PD**, Benzel EC, Becker DP. Metabolic changes following cortical contusion: Relationships to edema and morphological changes. Acta Neurochirurgica (Suppl.) 60: 446- 448, 1994.
5. **Adelson PD**, Black PMcL, Kramer U, Rockoff MA, Riviello J, Helmers SL, Mikati M, Holmes G, Madsen JR. The use of grid and strip electrodes to identify a seizure focus in children. Pediatric Neurosurgery 22: 174- 180, 1995.
6. **Adelson PD**, Hovda DA, Villablanca JR, Tatsukawa K. Development of a crossed corticotectal pathway following cerebral hemispherectomy in cats: A quantitative study of the projecting neurons. Developmental Brain Research 86 :81- 93, 1995.

7. **Adelson PD**, Scott RM. Pial synangiosis for Moyamoya in children. *Pediatric Neurosurgery* 23: 26-33, 1995.
8. Pollack IF, Albright AL, **Adelson PD**, Fitz C. The role of frameless stereotactic techniques in the treatment of pediatric central nervous system lesions. *Pediatric Neurology* 13: 209- 216, 1995.
9. Chiang V, **Adelson PD**, Young-Poussaint T, Parades A, Churchwell KB. Brain abscesses due to *Clostridium Septicum* as a complication of Hemolytic Uremic Syndrome. *The Pediatric Infectious Disease Journal*. 14: 1: 72- 74, 1995.
10. **Adelson PD**. The surgical treatment of epilepsy in children. *Contemporary Neurosurgery*. 17: 23: 1-8, 1995.
11. Furst SR, Sullivan LN, McDermott JS, Soriano S, **Adelson PD**, Rockoff MA. Effects of ondansetron on emesis in the first 24 hours after craniotomy in children. *Anesthesia and Analgesia* 83:325- 328, 1996.
12. Mathern GW, Leite JP, Babb TL, Pretorius JK, Kuhlman PA, Mendoza D, Fried I, Sakamoto AC, Assirati JA, **Adelson PD**, Peacock WJ. Aberrant hippocampal mossy fiber sprouting correlates with greater NMDAR₂ receptor staining. *Neuro Report* 7: 5: 1029- 1035, 1996.
13. Gerszten PC, **Adelson PD**, Kondziolka D, Pollack IF, Flickinger JC, Lunsford LD. Seizure control in children treated for arteriovenous malformations by radiosurgery. *Pediatric Neurosurgery* 24: 139-144, 1996.
14. **Adelson PD**, Robichaud RJ, Hamilton RL, Kochanek PM. A model of diffuse traumatic brain injury in the immature rat. *Journal of Neurosurgery* 85: 5: 877- 884, 1996.
15. Losken HW, Pollack IF, Singhal VK, **Adelson PD**. Endoscopic vascularized fronto-orbital advancement: Preliminary Report. *Craniofacial Surgery* 6: 253- 256, 1996.
16. **Adelson PD**, Firlik K, Firlik A, Hamilton RL. A thoracic extradural meningeal cyst presenting as prolonged paresis following an ankle injury. *Neuropediatrics*. 27: 207- 210, 1996.
17. Kondziolka D, **Adelson PD**. Technique of stereotactic biopsy in a 5 month old child. *Child's Nervous System*. 12: 615- 618, 1996.
18. Lowry DW, Lowry DL, Berga SL, **Adelson PD**, Roberts MM. Secondary amenorrhea due to hydrocephalus treated with endoscopic ventriculocisternostomy. Case report. *Journal of Neurosurgery*. 85: 1148- 1152, 1996.
19. Lynch J, Meza MP, Pollack IF, **Adelson PD**. Direct injury to the cervical spine of a child by a lap-shoulder belt resulting in quadriplegia: Case report. *Journal of Trauma-Injury Infection & Critical Care* 41: 747- 749, 1996.
20. **Adelson PD**. The surgical management of epilepsy in childhood. *Neurosurgery Quarterly*. 6(1): 1-20, 1996.
21. **Adelson PD**, Dixon CE, Robichaud RJ, Kochanek PM. Motor and cognitive functional deficits following diffuse traumatic brain injury in the immature rat. *Journal of Neurotrauma* 14: 99-108, 1997.
22. Bell M, Kochanek PM, Doughty LA, Carcillo JA, **Adelson PD**, Clark RSB, Wisniewski SR, Whalen MJ, DeKosky ST: Interleukin-6 and Interleukin-10 in Cerebrospinal Fluid after Traumatic Brain Injury in Children. *Journal of Neurotrauma* 14:451-457, 1997.

23. Lowry DW, Pollack IF, Clyde B, Albright AL, **Adelson PD**. Upper cervical spine fusion in the pediatric population. Journal of Neurosurgery 87: 671-676, 1997.
24. Bell MJ, Kochanek PM, Doughty LA, Carcillo JA, **Adelson PD**, Clark RSB, Whalen MJ, DeKosky ST. Comparison of the interleukin-6 and interleukin-10 response in children after severe traumatic brain injury or septic shock. Acta Neurochirurgica 70:96-97, 1997.
25. Mathern GW, Pretorius JK, Kornblum HI, Mendoza D, Lozada A, Leite JP, Chimelli LMC, Fried I, Sakamoto AC, Assirati JA, Levesque MF, **Adelson PD**, Peakcock WJ. Human hippocampal AMPA and NMDA mRNA levels in temporal lobe epilepsy patients. Brain 120:1937-1959, 1997.
26. **Adelson PD**, Clyde B, Kochanek PM, Wisniewski S, Marion DW, Yonas H. Cerebrovascular response in infants and young children following severe traumatic brain injury: A preliminary report. Pediatric Neurosurgery 26:200-207, 1997.
27. Bell M, Kochanek PM, Doughty LA, Carcillo JA, **Adelson PD**, Clark RSB, Wisniewski SR, Whalen MJ, DeKosky S. Interleukin-6 and Interleukin-10 in cerebrospinal fluid after traumatic brain injury in children. Journal of Neurotrauma 14:451-457, 1997.
28. **Adelson PD**, Nemoto EM, Painter M. The use of near-infrared spectroscopy (NIRS) in children after traumatic brain injury: A preliminary report: ICPX A Marmarou, R Bullock, et al. (eds). Acta Neurochirurgica Supplementum 71:250-254, 1998.
29. **Adelson PD**, Whalen M, Robichaud P, Carlos T, Kochanek P. Blood brain barrier permeability and acute inflammation in two models of traumatic brain injury in the immature rat: A preliminary report: ICPX A Marmarou, R Bullock, et al. (eds). Acta Neurochirurgica Supplementum 71:104-106, 1998.
30. **Adelson PD**, Kochanek PM. Head injury in children. Journal of Child Neurology. 13:2-15, 1998.
31. Mathern GW, Pretorius JK, Mendoza D, Lozada A, Leite JP, Chimelli L, Fried I, Sakamoto AC, Assirati JA, **Adelson PD**. Increased hippocampal APMA and NMDA receptor immunoreactivity in temporal lobe epilepsy patients. Journal of Neuropathology and Experimental Neurology 57:615-634, 1998.
32. Gerszten PC, Albright AL, Pollack IF, **Adelson PD**. Intraoperative hypothermia and ventricular shunt infections. Acta Neurochirurgica 140 (6): 591- 594, 1998.
33. Mathern GW, Pretorius JK, Kornblum HI, Mendoza D, Lozada A, Leite JP, Chimelli L, Born DE, Fried I, Sakamoto AC, Assirati JA, Peacock WJ, Ojemann GA, **Adelson PD**. Altered hippocampal kainate-receptor mRNA levels in temporal lobe epilepsy patients. Neurobiology of Disease, 5:151-176, 1998.
34. Whalen MJ, Carlos TM, Kochanek PM, Wisniewski SR, Bell MJ, Clark RSB, DeKosky ST, **Adelson PD**. Soluble adhesion molecules in CSF are increased in children with severe head injury. Journal of Neurotrauma. 15:777-787, 1998.
35. Mathern GW, Mendoza D, Lozada A, Pretorius JK, Danbolt NC, Dehnes Y, Nelson N, Leite JP, Chimelli LMC, Borne DE, Fried I, Sakamoto AC, Assirati JA, Peacock WJ, Ojemann GA, **Adelson PD**. Hippocampal GABA and glutamate transporter immunoreactivity in temporal lobe epilepsy patients. Neurology. 52: 453-472, 1999.
36. **Adelson PD**. Animal models of traumatic brain injury in the immature: A review. Experimental and Toxicologic Pathology 51:130-136, 1999.

37. Firlirk KS, **Adelson PD**. Large chronic cephalohematoma without calcification. *Pediatric Neurosurgery* 30:39-42, 1999
38. Bell MJ, Kochanek PM, Heyes MP, Wisniewski SR, Sinz EH, Clark RSB, Blight AR, Marion DW, **Adelson PD**. Quinolinic acid in the cerebrospinal fluid of children after traumatic brain injury. *Critical Care Medicine* 27:493-497, 1999.
39. Scarrow AM, Levy EI, Resnick DK, **Adelson PD**, Scwabassi RJ. Cervical spine evaluation in obtunded or comatose pediatric trauma patients: a pilot study *Pediatric Neurosurgery* 30:169-175, 1999.
40. Kanal E, Meltzer CC, **Adelson PD**, Scheuer MP. Platinum subdural grid: MR imaging compatibility testing. *Radiology* 211(3):886-888, 1999.
41. **Adelson PD**, Nemoto E, Scheuer M, Painter M, Morgan J, Yonas H. Noninvasive continuous monitoring of cerebral oxygenation peri-ictally using near infrared spectroscopy. *Epilepsia* 40 (11):1484-1489, 1999.
42. Albright AL, Pollack IF, **Adelson PD**, Solot J. Outcome data and analysis in pediatric neurosurgery. *Neurosurgery* 45(1):101-106, 1999.
43. Firlirk KS, **Adelson PD**. Co-existence of a Ganglioglioma and Rasmussen's Encephalitis: Case Report *Pediatric Neurosurgery* 30 (1):39-42, 1999.
44. Mathern GW, Pretorius JK, Mendoza D, Leite JP, Chimelli L, Born DE, Fried I, Assirati JA, Ojemann GA. **Adelson PD**, Cahan LD, Kornblum HL. Hippocampal N-methyl-D-aspartate receptor subunit mRNA levels in temporal lobe epilepsy patients. *Annals of Neurology*. 46 (3): 343-58, 1999.
45. Pollack IF, Albright AL, **Adelson PD**, Canady A, Black P, Boydston W, Kneirim D, Kaufman B, Walker M, Luciano M, Carmel P, Manwaring K, Heilbrun P, Abbott R, ReKate H. A Randomized, Controlled Study of a Programmable Shunt Valve Versus A Conventional Valve for Patients with Hydrocephalus. *Neurosurgery*, 45:1399-1408, 1999
46. Carmel P, Albright AL, **Adelson PD**, Canady A, Black PM, Boydston W, Kneirim D, Kaufman B, Walker M, Luciano M, Pollack IF, Manwaring K, Heilbrun P, Abbott IR, ReKate H, Incidence and management of subdural hematoma/hygroma with variable- and fixed- pressure differential valves: a randomized, controlled study of programmable compared with conventional valves. *Neurosurgical Focus*, 7(4): 1999.
47. Meltzer CC, **Adelson PD**, Brenner RP, Crumrine PK, Van Cott A, Schiff DP, Townsend DW, Scheuer ML. Planned ictal FDG PET imaging for localization of extratemporal epileptic foci. *Epilepsia*. 41(2): 193-200, 2000.
48. Whalen, MJ, Carlos, TM, Kochanek, PM, Wisniewski, SR, Bell, MJ, Clark, RSB, DeKosky, ST, **Adelson, PD**. Interleukin-8 is increased in cerebrospinal fluid of children with severe head injury. *Critical Care Medicine* 2000, 28(4): 929-934, 2000.
49. **Adelson PD**, Dixon CE, Kochanek PM. Long-term dysfunction following diffuse traumatic brain injury in the immature rat. *Journal of Neurotrauma*. 17(4): 273-82, 2000.
50. Stevenson KL, **Adelson PD**. The shaken baby syndrome and non-accidental trauma. *Contemporary Neurosurgery*. 22:4:1-8, 2000.
51. Kochanek PM, Clark RSB, Ruppel RA, **Adelson PD**, Bell, MJ, Whalen MJ, Robertson CL, Satchell MA, Seidberg NA, Marion DW, and Jenkins, LW: Biochemical, Cellular and Molecular Mechanisms in the

Evolution of Secondary Damage After Severe Traumatic Brain Injury in Infants and Children: Lessons Learned From the Bedside. Pediatric Critical Care Medicine. 1: 4- 19, 2000.

52. Clark RSB, Kochanek PM, **Adelson PD**, Bell MJ, Carcillo JA, Chen M, Wisniewski SR, Janesko K, Whalen MJ, Graham SH. Increases in Bcl-2 Protein in cerebrospinal fluid and evidence for programmed-cell death in infants and children following severe traumatic brain injury. Journal of Pediatrics, 137: 197-204, 2000.
53. Henshall DC, Clark RSB, **Adelson PD**, Chen M, Watkins SC, Chen J, Graham SH, Simon RP. Bcl-2 and caspase gene family proteins regulating programmed cell death are expressed in human temporal lobe epilepsy. Neurology 55:250- 257, 2000.
54. Ruppel RA, Kochanek PM, **Adelson PD**, Rose ME, Wisniewski SR, Bell MJ, Clark RSB, Marion DW, Graham SH. Excitatory amino acid concentrations in ventricular cerebrospinal fluid after severe traumatic brain injury in infants and children: The role of child abuse. Journal of Pediatrics. 138: 18-25, 2001.
55. Robertson C, Minamino N, Ruppel R, Kangawa K, **Adelson PD**, Tsoji T, Wisniewski S, Ohta H, Janesko K, Kochanek P. Increased adrenomedullin in cerebrospinal fluid after traumatic brain injury in children: A preliminary report. Acta Neurochirurgica. (Suppl) 76: 419-421, 2001.
56. **Adelson PD**. Temporal lobectomy in children with intractable seizures. Pediatric Neurosurgery. 34: 268-77, 2001.
57. **Adelson, PD**, Jenkins LW, Hamilton RL, Robichaud BS, Tran MP, Kochanek PM. Histopathologic response of the immature rat to diffuse traumatic brain injury. Journal of Neurotrauma 18:10: 967- 976, 2001.
58. Robertson C, Minamino N, Ruppel R, Kangawa K, Wisniewski S, Tsuji T, Janesko K, Ohta H, **Adelson PD**, Marion DW, Kochanek P. Increased adrenomedullin in cerebrospinal fluid after traumatic brain injury in infants and children. Journal of Neurotrauma. 18:9: 861-868, 2001.
59. Amick JE, Yandora KA, Bell MJ, Wisniewski SR, **Adelson PD**, Carcillo JA, Janesko KL, DeKosky ST, Carlos TM, Clark RSB, Kochanek PM. The Th1 versus Th2 cytokine profile in cerebrospinal fluid after severe traumatic brain injury in infants and children. Pediatric Critical Care Medicine. 2:260-64, 2001.
60. Campbell TF, Dollaghan CA, **Adelson PD**, Janosky J, Balason D, Nash T, Rusiewicz H, Feldman H, Shriberg L, Moore C, Connaghan K, Brown SD, Pitcairn D, Reilly K. Speech change in young children after severe traumatic brain injury. Speech Motor Control in Normal and Disordered Speech. Proceedings from the 4th International Speech Motor Conference. Nijmegen, The Netherlands: 106- 109, 2001.
61. Mendelson SA, Dominick TS, Tyler-Kabara E, Moreland MS, **Adelson PD**. Early vs. late femoral fracture stabilization in multiply injured pediatric patients with closed head injury. Journal of Pediatric Orthopaedics. 21:594-599, 2001.
62. Robertson, CL, Bell MJ, Kochanek PM, **Adelson PD**, Ruppel RA, Wisniewski SR, Mi Z, Janesko KL, Clark Robert SB, Marion DW, Graham SH, Jackson, EK. Increased adenosine in cerebrospinal fluid after severe traumatic brain injury in infants and children: association with severity of injury and excitotoxicity. Critical Care Medicine. 29: 2287-2293, 2001.
63. Koebbe CJ, Horowitz M, Levy EI, **Adelson D**, Jungries C. Endovascular particulate and alcohol embolization for near-fatal epistaxis from a skull base vascular malformation. Pediatric Neurosurgery. 35: 257- 261, 2001.
64. Mathern GW, **Adelson PD**, Cahan LD, Leite JP. Hippocampal neuron damage in human epilepsy: Meyer's hypothesis revisited. Progress in Brain Research. 135: 237-251, 2002.
65. Han Y, Carcillo JA, Ruppel RA, **Adelson PD**, Wisniewski SR, Bell MJ, Janesko KL, Marion DW, Kochanek PM. Cerebrospinal fluid procalcitonin and severe traumatic brain injury in children. Pediatric Critical Care Medicine. 3:39-44, 2002.

66. Berger RP, Janesko KL, Wisniewski SR, **Adelson PD**, Clark RSB, Ruppel R, Pierce MC, Kochanek PM. Neuron-Specific Enolase and S100B in Cerebrospinal Fluid after Severe Traumatic Brain Injury in Infants and Children. Pediatrics. 109: 31, 2002.
67. Stevenson KL, Fields M, **Adelson PD**. Concussion in the pediatric athlete: When can they return to play? Contemporary Neurosurgery. 24:7: 1-8, 2002.
68. Perry V, Albright AL, **Adelson PD**. Operative nuances of myelomeningocele closure. Neurosurgery. 51: 719-724, 2002.
69. Jenkins LW, Peters GW, Dixon CE, Zhang L, Clark RSB, Skinner JC, Marion DW, **Adelson PD**, Kochanek PM. Conventional and functional proteomics using large format 2D gel electrophoresis 24 hours after controlled cortical impact (CCI) in postnatal day 17 rats. Journal of Neurotrauma. 19:6:715-740, 2002.
70. Mazzola C, **Adelson PD**. ABC's of pediatric head trauma. Seminars in Neurological Surgery/ Pediatric Neurosurgery for the General Neurosurgeon. 13:1: 29- 38, 2002.
71. Mazzola C, **Adelson PD**. Critical Care management of pediatric traumatic brain injury. Critical Care Medicine. 30: S393-401, 2002.
72. Berger RP, Pierce MC, Wisniewski SR, **Adelson PD**, Kochanek PM. Serum S100B concentrations are increased after closed head injury in children: A preliminary study. Journal of Neurotrauma. 19: 11: 1405- 1410, 2002.
73. Cassidy LC, Potoka D, **Adelson PD**, Ford HR. Development of a novel method to predict disability following head trauma in children. Journal of Pediatric Surgery. 38:3:482-485, 2003
74. Bayir H, Kagan VE, Tyruina YY, Tyurin VT, Ruppel RA, **Adelson PD**, Graham SH, Janesko K, Clark RSB, Kochanek PM. Assessment of antioxidant reserves and oxidative stress in cerebrospinal fluid after severe traumatic brain injury in infants and children. Pediatric Research. 51(5); 571-578, May 2002.
75. Mathern GW, Leiphart JL, De Vera A, **Adelson PD**, Seki T, Nader L, Leite JP. Seizures decrease postnatal neurogenesis and granule cell development in the human fascia dentata. Epilepsia 43(5) Suppl.: 68-73, 2002.
76. Bayir H, Kochanek PM, Liu SX, Arroyo A, Osipov A, Jiang J, Wisniewski S, **Adelson PD**, Graham SH, Kagan VE. Increased s-nitrosothiols and s-nitrosoalbumin in cerebrospinal fluid after severe traumatic brain injury in infants and children: Indirect association with intracranial pressure. Journal of Cerebral Blood Flow and Metabolism. 23(1):51-61, 2003.
77. **Adelson PD**, Bratton SL, Carney, NA, Chesnut RM, du Coudray HE, Goldstein B, Kochanek PM, Miller HC, Partington MD, Selden NR, Warden CR, Wright DW. Guidelines for the acute medical management of severe traumatic brain injury in infants, children, and adolescents. Pediatr Critical Care Medicine. 4(3 Suppl):S2-75, July 2003.
78. **Adelson PD**, Bratton SL, Carney, NA, Chesnut RM, du Coudray HE, Goldstein B, Kochanek PM, Miller HC, Partington MD, Selden NR, Warden CR, Wright DW. Guidelines for the acute medical management of severe traumatic brain injury in infants, children, and adolescents. Journal of Trauma. July 2003.
79. **Adelson PD**, Bratton SL, Carney, NA, Chesnut RM, du Coudray HE, Goldstein B, Kochanek PM, Miller HC, Partington MD, Selden NR, Warden CR, Wright DW. Guidelines for the acute medical management of severe traumatic brain injury in infants, children, and adolescents. Critical Care Medicine. July 2003.
80. Varma, S, Janesko, KL, Wisniewski, SR, Bayir, H, **Adelson, PD**, Thomas, NJ, Kochanek, PM. F₂-Isoprostane and Neuron-Specific Enolase in cerebrospinal fluid after severe traumatic brain injury in infants and children. Journal of Neurotrauma. 20(8): 781-786, 2003.

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133. Salonia R, Polyac S, Ruppel R, Klamerus M, Feldman K, **Adelson PD**, Brown D, Berger R, Bell M, Fink E, Clark R, Bayir H, Kochanek P. Therapeutic hypothermia exacerbates increases cerebrospinal fluid endothelin-1 levels in infants and children after severe traumatic brain injury. Journal of Neurotrauma 25(7): 892, 2008.
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135. Srinivas R, Brown, Chang Y, **Adelson PD**. Acute endocrine response following severe traumatic brain injury in children. Journal of Neurotrauma 25(7): 908, 2008.
136. **Adelson PD**, Srinivas R, Fellows-Mayle, W, Gobbel G. Effects of hypothermia treatment after experimental traumatic brain injury in the immature postnatal day (PND) 17 rat. Journal of Neurotrauma 25(7): 908, 2008.
137. Ochalski P, Fellows-Mayle W, Hsieh L, Srinivas R, Okonkwo D, Dixon C, **Adelson PD**. Flumazenil administration attenuates morris water maze dysfunction in the immature postnatal day (PND) 17 rat following controlled cortical impact. Journal of Neurotrauma 25(7): 909, 2008.

138. Caltagarone J, Gobble G, Srinivas R, Fellows-Mayle W, **Adelson PD**. Diffuse increases in cell proliferation following traumatic brain injury of the immature postnatal day (PND) 17 rat. Journal of Neurotrauma 25(7): 916, 2008.
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141. Smith R, Lin J. **Adelson PD**, Kochanek P, Fink E, Wisniewski S, Bayir H, Clark R, Brown D, Bell M. Effects of hyperglycemia and insulin administration on outcome in severe traumatic brain injury (TBI) in children. Critical Care Medicine 36(12); A45, 2008
142. Salonia R, Clark R, Brown D, **Adelson PD**, Bell M, Kochanek P, Empey P, Poloyac S, Klamerus M. The Effect of Therapeutic Hypothermia on Cerebrospinal Fluid Endothelin-1 (ET-1) in Children after Severe Traumatic Brain Injury (TBI). Critical Care Medicine 36(12); A121, 2008
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144. Salonia R, Bell M, Brown D, **Adelson PD**, Miller T, Poloyac S, Kochanek P, Identification of Arachidonic Acid (AA) Metabolites in Cerebral spinal Fluid (CSF) of Infants and Children after Traumatic Brain Injury (TBI). Critical Care Medicine 36(12); A122, 2008
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146. Empey P, Poloyac S, Salonia R, **Adelson PD**, Brown D, Kochanek P, Bell M. A UPLC-MS/MS method for Determination of CSF Fentanyl Concentrations in Pediatric TBI Patients receiving Therapeutic Hypothermia. Critical Care Medicine 36(12); A128, 2008
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148. Smith, R, Bayir H, **Adelson PD**, Smith C, Kochanek P, Clark R, Baltagi S, Wisniewski S, Beers S, Brown SD, Higgins K, Bell M. Effect of Severe TBI on Lipid Metabolism in Children Journal of Neurotrauma 26(8); 124, 2009
149. Smith R., Baltagi, **Adelson PD**, Smith C, Kochanek, Clark R, Bayir H, Wisniewski S, Beers S, Brown SD, Higgins K, Bell M. Understanding Metabolic Requirements of Children after Severe TBI Journal of Neurotrauma 26(8); 387, 2009
150. Garcia-Filion P, **Adelson PD**, Lavoie M. Neuropsychological Deficits Following Pediatric Traumatic Brain Injury Journal of Neurotrauma 26(8); 190, 2009
151. Smith C, **Adelson PD**, Yue-Fang C, Brown SD, Kochanek P, Clark R, Bayir H, Hinchberger J, Bell M. Brain-Systemic Temperature Gradient is temperature-Dependent in Children with Severe Traumatic Brain Injury (TBI) Journal of Neurotrauma 26(8); 178, 2009

152. Su ER, Bell MJ, **Adelson PD**, Kochanek PM, Kagan VE, Bayir H. Alpha synuclein levels are elevated in cerebrospinal fluid following traumatic brain injury in infants and children: The effect of therapeutic hypothermia. Critical Care Medicine, 2010. Dev Neuroscience 32(5-6)385-95 2010 Epub 2010 Dec2
153. Baltagi SA, Smith R, **Adelson PD**, Smith C, Kochanek PM, Clark SB, Bayir H, Wisniewski S, Bell MJ. Serum Amino Acids (AA) Concentrations Early after Severe Traumatic Brain Injury (TBI) in Children (abstract) Critical Care Medicine, 2010.
154. Mehta A, Kochanek PM, **Adelson PD**, Tyler-Kabara E, Wisniewski S, Berger R, Bayir H, Clark RSB, Bell MJ. The Relationship Between Intracranial Pressure (ICP) and Cerebral Perfusion Pressure (CPP) with Outcome in Young Children after Traumatic Brain Injury (TBI) (abstract) Critical Care Medicine, 2010. Dev Neuroscience 32(5-6)413-419 2010 Epub 2010 Sep15
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156. Smith R, Baltagi S, **Adelson PD**, Smith C, Kochanek PM, Clark SB, Bayir H, Wisniewski S, Bell MJ. Effect of traumatic brain injury (TBI) on serum lipid and lipoprotein concentrations in children (abstract) Critical Care Medicine, 2010.
157. Ochalski P, Hsieh L, Fellows-Mayle W, Srinivas R, Okonkwo D, Dixon CE, **Adelson PD**. Flumazenil administration attenuates cognitive impairment in immature rats following controlled cortical impact. Journal of Neurotrauma 27(3); 647-651, 2010
158. Garcia-Filion P, **Adelson PD**, Brown SD, Lavoie M. Inflicted traumatic brain injury: Evaluation of a Modified Marshall Grading System to predict mortality. Journal of Neurotrauma 27(5); A1-A97, 2010
159. Carpentieri D, **Adelson PD**, Ettl M, Rosenfeld A, Kaplan A, Coons S, Konstantinos P, Eschbacher J. Mass Spectrometry Proteomic Analysis of Formalin Fixed Paraffin Embedded Pediatric Brain Tumors. Journal of Neuro-Oncology 2011
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161. Buttram SDW, Garcia-Filion P, Youssfi M, Brown D, Dalton HJ, **Adelson PD**. CT versus MRI for Identifying lesions in pediatric traumatic brain injury. Journal of Neurotrauma 28(6); A1 - A134, 2011.
162. Treiman LJ, Perez RE, Salevitz NA, Tennyson C, Slattery CM, Treiman DM, **Adelson PD**. Controlled cortical impact lowers the threshold for post-traumatic epilepsy and pentylentetrazole (PTZ) -induced seizures in Kv1.1 knockout heterozygote mice. Epilepsia. (12): 2011.
163. Anderson TR, Goddeyne C, Nichols J, Yoshihio A, Perez R, Treiman L, **Adelson PD**. Enhanced cortical excitability in the peri-injury zone of immature rats after experimental traumatic brain injury. Journal of Neurotrauma. (In Press July, 2012)
164. **Adelson PD**, Beca J, Wisniewski SR, Beers SR, Hirtz D, Brown SD, Sherring C. Hypothermia Following Pediatric Severe Traumatic Brain Injury (Pediatric Traumatic Brain Injury Consortium: Hypothermia/ Cool Kids Trial): A Randomized Trial Journal of Neurotrauma. (In press July, 2012).

165. Bales
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INVITED ARTICLES

1. **Adelson PD.** Quick response makes a difference in near drowning. Response Time. June 1994.
2. **Adelson PD.** Head injury management in children. Physician's Quarterly. Fall, 1995.
3. **Adelson PD.** Pediatric head trauma. Trauma Rounds. 8 (1): 1-3, 1996.
4. Thompson T, **Adelson PD.** Brachial plexus injuries in children. Physician's Update. Spring: 1-4, 1997.
5. Quirk P, **Adelson PD.** Shaken baby syndrome and the EMS provider. EMS Magazine. September, 1997.
6. **Adelson PD.** Pediatric Injury Prevention. Trauma Rounds 1-3, June 1999.
7. **Adelson PD.** Think First Expands Outreach. Pediatric Neurosurgery Section Newsletter. December, 2000.
8. **Adelson PD.** Think First- Where we were, where we are, where we are going. Neurosurgery News. 2:1: 9, 2001.
9. **Adelson PD** Think First for Kids program shows efficacy and is identified as "best practice" for injury prevention education. Neurosurgery News 2:4: 7, 2001.
10. **Adelson PD** Epilepsy: A look at the surgical options. University of Pittsburgh Neurosurgery News. Fall, 2001.
11. **Adelson PD.** Name Mirrors Mission; Think First! National Injury Prevention Foundation Expands Program. AANS Bulletin. Winter 2001.
12. **Adelson PD.** Age related differences in TBI. Frontlines. 5: 3, Spring 2002.
13. **Adelson PD.** 3rd Annual CNS/ThinkFirst Golf Outing is Big Success. Neurosurgery News 3: 6: Fall 2002.
14. Bullock MR, **Adelson PD**, Marion DW, Orrico K, Ghajar J: The case for designated neurotrauma referral centers in the United States. Barrow Quarterly 19:7-10, 2003.
15. **Adelson PD.** B.J. MacPherson Becomes Voice of Injury Prevention for Think First. Neurosurgery News 4: 5:16, Fall 2003.
16. **Adelson PD.** Research and development: the future of neurological surgery. University of Pittsburgh Neurosurgery News. 5:1: 1, Winter 2004.
17. **Adelson PD.** The Walter L. Copeland Laboratory: Innovative research lab develops and tests therapies of tomorrow. University of Pittsburgh Neurosurgery News. 5:1: 4, Winter 2004.

EDITORIALS/ PUBLISHED LETTERS

1. **Adelson PD.** Shunt malfunction due to mischievous twisting the valve by patient: Case report. Neurosurgery (2004).

2. Berger RP, **Adelson PD**, Kochanek P. Serum neuron-specific enolase, S100B, and myelin basic protein concentrations after inflicted and non-inflicted traumatic brain injury in children. Letter to the Editor. Journal of Neurosurgery 2006; 104 (6 Suppl Pediatrics): 436.
3. Kochanek PM, Bell MJ. **Adelson PD**. Hypothermia after traumatic brain injury in children. Letter to the Editor. New England Journal of Medicine. 11: 1179, 2008.
4. Figaji A, **Adelson PD**. Does ICP monitoring in children with severe head injuries make a difference?. American Surgeon.75(5): 441-2, 2009.

In Submission

1. **Adelson PD**. Temporal lobectomy in children. in Albright AL, Pollack IF, **Adelson PD**. (Eds) Operative Techniques in Pediatric Neurosurgery. Thieme Medical Publishers: New York. (Submitted 2008)
2. Rotondi A, Spring M, **Adelson PD**, Beers SR, Gilkey S, Newhill CE, Polinko P, Brown D, Wade SL. An online multi-family group psycho-educational intervention for children with traumatic brain injury and their families. Journal of Head Trauma Rehabilitation (In submission, 2009)
3. Taylor CA, **Adelson PD**, Beers SR, Fabio A, Songer TJ, Wisniewski SR. Behavior and mood related outcomes of traumatic brain injury in children and adolescents. Journal of the American Academy of Child and Adolescent Psychiatry (In submission, 2011)
4. Thampatty BP, Klamerus MM, Oberly PJ, Feldman KL, Bell MJ, Tyler-Kabara EC, **Adelson PD**, Clark RS, Kochanek PM, Poloyac SM. Hypothermia decreases cerebrospinal fluid asymmetric dimethyl arginine levels in traumatic brain injury children. Pediatric Critical Care Medicine (In Submission, November 2011)
5. Campbell, TF, Dollaghan, CA, Janosky J, Rusiewicz HL, Small SL, Dick F, Vick J, Adelson PD, "Consonant Production after Severe Pediatric Traumatic Brain Injury: A Prospective Cohort Study" Journal of Speech, Language, and Hearing Research (In Submission, March 2012)
6. Adelson PD, Fellows-Mayle W, Kochanek P, Dixon CE. Morris Water Maze Function and Histologic Characterization of Two Age at Injury Experimental Models of Controlled Cortical Impact in the Immature Rat. Child's Nervous System. (In Submission, June 2012)

PROFESSIONAL ACTIVITIES

Teaching:

1. Pathophysiology of Head Trauma, Clinical Neuroscience Nursing Symposium- UCLA, September 1989.
2. Radiology of Head Trauma: Cerebral Contusion, Grand Rounds- Harbor UCLA, November 1989.
3. Cerebral Spinal Fluid Pathways, Neurosurgical Symposium on Hydrocephalus- UCLA, January 1990.
4. Clinical Pathologic Conference, Second Year Medical Student Pathology conference- UCLA, March 1990.

5. ICU Management of Neurosurgical Patients, ICU Nursing Teaching Conference- Wadsworth VAMC, October 1990.
6. Pathophysiology and Long Term Sequelae of Head Trauma, New Medico Rehabilitation Center- Apple Valley, CA, November 1990.
7. Translabyrinthine Approach to the Skull Base, Transoral Approach to the Clivus and the Atlantoaxial Complex, Cranial Base Workshop- Los Angeles, CA, September 1991.
8. Pathophysiology of Head Trauma and ICU Management of Neurosurgical Patients, Medical ICU Staff Conference, Boston, MA, September 1993.
9. Arteriovenous Malformation and Cerebral Hemorrhage in Children, Surgical Grand Rounds, Boston, MA, November 1993.
10. Cerebral Hemispherectomy in Children for the Treatment of Intractable Seizures, Surgical Grand Rounds- Boston, MA, June 10, 1994.
11. Functional Imaging, Temporal Lobectomy, Cerebral Hemispherectomy for the Treatment of Intractable Seizures in Children, Breakfast Seminar (Congress of Neurological Surgeons Annual Meeting)- Chicago, IL, October 4, 1994.
12. Surgical Treatment of Epilepsy in Children. Current Issues and Concepts in Pediatric and Adolescent Neuroscience Symposium- Pittsburgh, PA, October 25, 1994.
13. Head Injury in Children. Anesthesiology and Critical Care Medicine Rounds- Pittsburgh, PA, January 25, 1995.
14. Surgical Treatment of Epilepsy in Children. Combined Neuroscience Grand Rounds- Pittsburgh, PA, January 28, 1995.
15. Head Injury in Children. OR Staff Inservice Rounds- Pittsburgh, PA, February 8, 1995.
16. Focus Localization and Surgical Treatment of Epileptic Foci in Children. University of Pittsburgh Department of Neurophysiology Graduate Student Seminar- Pittsburgh, PA, March 28, 1995.
17. Current Status of the Surgical Treatment of Epilepsy in Young People. Pennsylvania Neurosurgical Society Annual Meeting, Philadelphia, PA, April 7, 1995.
18. Acute Traumatic Brain Injury in Children. Benedum Trauma Conference, Pittsburgh, PA, May 16, 1995.
19. Medically Speaking: The Treatment Of Childhood Epilepsy/ Seizure Disorders. The Epilepsy Foundation of Western Pennsylvania- Pittsburgh, PA, May 24, 1995.
20. The Surgical Management of Epilepsy in Childhood. The John Heberling Memorial Lecture. The Rehabilitation Institute- Pittsburgh, PA, June 1, 1995.
21. Acute Care of Pediatric Head Injury: Current Trends in Pediatric Trauma, Warrendale, PA, September 22, 1995.
22. Acute Care of Pediatric Head Injury: Current Trends in Pediatric Trauma, Greensburg, PA, September 29, 1995.
23. Head Injury in Children: Treatment and Recovery, Greater Pittsburgh Brain Injury Support Group, Pittsburgh, PA, November 7, 1995.
24. Neuroplasticity and Neural Recovery, Children's Hospital of Pittsburgh Second Annual Neuroscience Symposium, Pittsburgh, PA, November 18, 1995.
25. Acute Traumatic Brain Injury in Children, Anesthesia Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, January 17, 1996.
26. Acute Care of Pediatric Head Injury: Current Trends in Pediatric Trauma, East Liverpool, OH, February 2, 1996.
27. Epilepsy Surgery in Children, Anesthesia Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, March 13, 1996.
28. Pediatric Traumatic Brain Injury: Benedum Trauma Conference, Children's Hospital of Pittsburgh, Pittsburgh, PA, April 2, 1996.
29. Traumatic Brain Injury in Children: Pathophysiology and Management, Eastern Emergency and Trauma Forum, Pittsburgh, PA, April 13, 1996.
30. Surgical Management of Epilepsy, Epilepsy Nursing Service Rounds, University of Pittsburgh Medical Center, Pittsburgh, PA, April 16, 1996.
31. Pediatric Head Injury: Developmental Issues and Clinical Implications, Pathophysiology of Secondary Brain Injury and Implications for Contemporary Treatment, Pittsburgh, PA, May 18, 1996.
32. Head Injury in Children, Emergency Trauma Rounds, McKeesport Hospital, Pittsburgh, PA, August 13, 1996.
33. Endoscopic Shunt Placement, OR Staff Inservice Rounds- Pittsburgh, PA, October 28, 1996.
34. Head Injury in Children, Emergency Trauma Update, Westmoreland, PA, November 18, 1996.
35. Head Injury in Children, Emergency Trauma Update, Clarion, PA, November 25, 1996.

36. Brachial Plexus Injuries in Children, Pediatric Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, December 19, 1996.
37. Cerebrovascular Response of Children following Traumatic Brain Injury, Benedum Trauma Conference, Children's Hospital of Pittsburgh, Pittsburgh, PA, February 18, 1997.
38. Cerebrovascular Response of Children following Traumatic Brain Injury, Brain Trauma Research Group Conference, University of Pittsburgh, Pittsburgh, PA, March 23, 1997.
39. Head Injury Management in Children, Critical Care Practical Course, Congress of Neurological Surgeons Annual Meeting, Denver, CO, April 13, 1997.
40. Cerebral Hemispherectomy for Intractable Seizures, Neuroscience Grand Rounds, University of Pittsburgh, Pittsburgh, PA, April 30, 1997.
41. Brachial Plexus Injuries in Children, Grand Rounds, Passavant Hospital, Pittsburgh, PA, July 29, 1997.
42. Head Injury Management in Children, Critical Care for the Neurosurgeon, Congress of Neurological Surgeons, New Orleans, LA, September 27, 1997.
43. Unique aspects of head injury. Congress of Neurological Surgeons Annual Meeting, October 1, 1997.
44. Developmental animal models of traumatic brain injury. 15th Annual National Neurotrauma Society Symposium, October 24, 1997.
45. Epilepsy Surgery in Children, Intraoperative Mapping and Epilepsy Surgery Clinical Course, American Association of Neurological Surgeons Annual Meeting, Philadelphia, PA, April 25, 1998.
46. Pediatric Critical Care, Critical Care for the Neurosurgeon Practical Course, American Association of Neurological Surgeons Annual Meeting, Philadelphia, PA, April 25, 1998.
47. Diffuse TBI in the Immature Rat, The Safar Center Lecture, University of Pittsburgh, Pittsburgh, PA, May 13, 1998.
48. Diagnosing and Monitoring Epilepsy/Seizure Disorders, Third Annual Epilepsy Foundation of Western Pennsylvania Family Conference, Pittsburgh, PA, May 16, 1998.
49. Surgical Treatments for Epilepsy and Seizure Disorders, Third Annual Epilepsy Foundation of Western Pennsylvania Family Conference, Pittsburgh, PA, May 16, 1998.
50. Brain Tumors, University of Pittsburgh Ambulatory Sub-Specialties Course, Pittsburgh, PA, June 1, 1998.
51. Head Injury Management, University of Pittsburgh Ambulatory Sub-Specialties Course, Pittsburgh, PA, June 5, 1998.
52. Head Injury in Children, Anesthesia Grand Rounds, University of Pittsburgh/ Children's Hospital of Pittsburgh, Pittsburgh, PA, August 26, 1998.
53. Critical Care Management in Children, Critical Care - Pediatric Practical Course, Congress of Neurological Surgeons Annual Meeting, Seattle, WA, October 4, 1998.
54. Shaken Baby Syndrome, Trauma Section Session 1, Congress of Neurological Surgeons Annual Meeting, Seattle, WA, October 6, 1998.
55. Head Injury in Children, University of Pittsburgh School of Social Work, Child Development and Childhood Disabilities. Pittsburgh, PA, February 23, 1999.
56. Surgical Treatment of Epilepsy in Children. Valley Children's Hospital, University of California, San Francisco, Visiting Professor, Fresno, California, April 15-16, 1999
57. ICU Management of Pediatric Head Injury – Critical Care Practical Course – American Association of Neurological Surgeons, New Orleans, LA, April 25, 1999.
58. Pediatric Neuro Critical Care – Critical Care Practical Course – Congress of Neurological Surgeons, Boston, MA, October 30, 1999.
59. Epidemiology of Head Injury in Children, Luncheon Seminar, Congress of Neurological Surgeons, Boston, MA, October 31, 1999.
60. Pediatric Neurotrauma Made Simple, Plenary Session III Congress of Neurological Surgeons, Boston, MA, November 2, 1999.
61. Head Injury in Children, Neurosurgery Grand Rounds, University of California, San Diego, San Diego, CA, February 17, 2000.
62. Surgical Treatment of Epilepsy in Children, Society of Pediatric Anesthesia, Fort Myers, FL, February 27, 2000.
63. Head Injury in Children, EMS Institute Update, Seven Springs, PA, March 23, 2000.
64. Head Injury in Children, Pediatric Neurosurgery Review Practical Course, American Association of Neurological Surgeons, San Francisco, CA, April 8, 2000.
65. Epilepsy Surgery in Children, Pediatric Neurosurgery Review Practical Course, American Association of Neurological Surgeons, San Francisco, CA, April 8, 2000.

66. Physiologic Differences in Children, Impact on Management, Pediatric Critical Care Practical Course, American Association of Neurological Surgeons, San Francisco, CA, April 9, 2000.
67. Surgical Treatment of Children with Intractable Epilepsy, Functional Practical Course, American Association of Neurological Surgeons, San Francisco, CA, April 9, 2000.
68. Moderate Head Injury in Children: Discussant, American Association of Neurological Surgeons, San Francisco, CA, April 10, 2000.
69. Head Injury in Children. Timely Trauma Topics. Children's Hospital of Pittsburgh, Pittsburgh, PA, May 9, 2000.
70. ICU Management in Severely Head Injured Children, Pediatric Critical Care Course, Congress of Neurological Surgeons, San Antonio, TX, September 23, 2000.
71. Surgical Treatment of Children with Intractable Epilepsy, Functional Practical Course, Congress of Neurological Surgeons, San Antonio, TX, September 24, 2000.
72. Temporal Lobectomy in Children with Intractable Epilepsy, Congress of Neurological Surgeons, San Antonio, TX, September 26, 2000.
73. Head Injury in Children, Congress of Neurological Surgeons, San Antonio, TX, September 27, 2000.
74. Implantation of the Vagal Nerve Stimulator, Epilepsy Symposium of Pittsburgh. Pittsburgh, PA, November 2000.
75. Surgical Epilepsy in Children and Adults. Neurology Core Curriculum. Pittsburgh, PA, December 14, 2000.
76. Head Injury in Children, Neurosurgery Grand Rounds, University of California, Davis, Sacramento, CA, January 24, 2001.
77. Head Injury in Children, Neurosurgery Grand Rounds, University of California, San Francisco, San Francisco, CA, March 15, 2001.
78. Head Injury in Children: Approach and Management. Anesthesia Grand Rounds. Pittsburgh, PA, April 18, 2001.
79. Head Injury in Children: Considerations in the Approach to Management, Pediatric Critical Care Course, Congress of Neurological Surgeons, San Diego, CA, September 29, 2001.
80. Surgical Treatment of Children with Intractable Epilepsy, Functional Practical Course, Congress of Neurological Surgeons, San Diego, CA, September 30, 2001.
81. Corpus Callosotomy and other Palliative Procedures in Children with Intractable Epilepsy, Congress of Neurological Surgeons, San Diego, CA, October 2, 2001.
82. Kids and Sports: Frequently Asked Questions, Congress of Neurological Surgeons, San Diego, CA, October 4, 2001.
83. Brachial Plexus Injuries in Children. South Hills Medical Society. Pittsburgh, PA. February 26, 2002.
84. Neonate with Seizures. Neuroscience Grand Rounds. Pittsburgh, PA. May 1, 2002.
85. Neurosurgical Causes of Headaches. Neuroscience Symposium on Pediatric Headaches. Children's Hospital of Pittsburgh. Pittsburgh, PA. May 29, 2002.
86. Head Injury in Children: Considerations in management. Trauma Grand Rounds. Children's Hospital of Pittsburgh, Pittsburgh, PA. July 16, 2002.
87. Head Injury in Children: Considerations in the Approach to Management, Pediatric Critical Care Course, Congress of Neurological Surgeons, Philadelphia, PA, September 21, 2002.
88. Surgical Treatment of Children with Intractable Epilepsy, Functional Practical Course, Congress of Neurological Surgeons, Philadelphia, PA, September 21, 2002.
89. Complex Cases of Head Injury in Adults and Children, Luncheon Seminar, Congress of Neurological Surgeons, Philadelphia, PA, September 23, 2002.
90. Epilepsy Surgery in Children, Anesthesia Fellows Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, December 11, 2002.
91. Pediatric TBI Guidelines: An Update. American Society of Pediatric Neurosurgery. Kona, HI, January 2003.
92. Update on Pediatric Neurosurgery, American Association of Neurological Surgeons, San Diego, California, April 26, 2003.
93. Head Trauma: Current Treatment and Controversies, American Association of Neurological Surgeons, San Diego, California, April 27, 2003.
94. Critical Care Management of Children following Severe Traumatic Brain Injury. Royal Liverpool Children's Hospital, Alder Hey, Liverpool, September 22-26, 2003.
95. A Prospective Multicenter Randomized Phase II Trial for Hypothermia following severe pediatric TBI. Congress of Neurological Surgeons Annual Meeting, Denver, Colorado, October 20, 2003.
96. Traumatic Brain Injury: Lessons Learned and Future Direction. Congress of Neurological Surgeons Annual Meeting, Denver, Colorado, October 20, 2003.

97. Hypothermia, Joint Section on NeuroTrauma and Critical Care Resident Course, UPMC, Pittsburgh, Pennsylvania, February 28-29, 2004.
98. Pediatric Guidelines Review, Joint Section on Neurotrauma and Critical Care Resident Course, UPMC, Pittsburgh, Pennsylvania, February 28-29, 2004.
99. Epilepsy Surgery in Children, Anesthesia Fellows Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, April 7, 2004.
100. Pediatric Head Injuries-Practical Applications for the Non-Pediatric Neurosurgeon, Practical Course, American Association of Neurological Surgeons, Annual Meeting, Orlando, Florida. May 1, 2004,
101. Pediatric Head Injuries Management, Trauma Conference. Children's Hospital of Pittsburgh. July 13, 2004.
102. Epilepsy Surgery in Children, Neurosurgery Resident Board Review, University of Pittsburgh, Pittsburgh, PA, August 11, 2004.
103. Guidelines in Pediatric Head Injury. Argentine Critical Care Video Conference, Buenos Aires, Argentina, October 1, 2004.
104. Guidelines in Pediatric Head Injury. Section on Pediatric Neurosurgery, AANS/CNS Annual Meeting. San Francisco, CA, December 9, 2004.
105. Hypothermia following TBI, Joint Section on NeuroTrauma and Critical Care Resident Course, UPMC, Pittsburgh, Pennsylvania, February 26-27, 2005.
106. Pediatric Guidelines Review, Joint Section on Neurotrauma and Critical Care Resident Course, UPMC, Pittsburgh, Pennsylvania, February 26- 27, 2005.
107. Hypothermia following Traumatic Brain Injury in Children: Where are we and where are we going. Brain Trauma Research Center Conference, Pittsburgh, PA, May 29, 2005.
108. Randomized Clinical Trials in Children following Traumatic Brain Injury. Neurosurgery Grand Rounds, Pittsburgh, PA, June 8, 2005.
109. Severe Traumatic Brain Injury in Children: Recent Advances and Future Directions. Pediatric Grand Rounds, Pittsburgh, PA, July 7, 2005.
110. Brachial Plexus Injury and Management. Neurosurgery Grand Rounds. University of Pittsburgh, Pittsburgh, PA, September 14, 2005.
111. Issues of Acute Trauma, Age at Injury, and Future Investigations. International Symposium: Finding the "Cure" for Brain Injury. Johnstown, PA, October 14, 2005.
112. Birth Brachial Plexus Injuries: Evaluation and Management. Neonatology Grand Rounds. Magee Women's Hospital, Pittsburgh, PA. January 5, 2006.
113. Epilepsy Surgery in Children. Anesthesia Grand Rounds. Children's Hospital of Pittsburgh. Pittsburgh PA, March 28, 2006.
114. Incorporating guidelines into your practice. Congress of Neurological Surgeons Annual Meeting. Chicago, IL. October 8, 2006.
115. Traumatic Brain Injury: Lessons Learned and Future Directions. Congress of Neurological Surgeons Annual Meeting. Chicago, IL. October 10, 2006.
116. Pediatric TBI Guidelines Review. University of California, San Francisco, Neurotrauma Review Course. San Francisco, CA, November 12, 2006.
117. Evaluation and Management of Pediatric TBI. Benedum Trauma Grand Rounds. Children's Hospital of Pittsburgh. January 16, 2007.
118. Brachial Plexus and Peripheral Nerve Injury. Neurosurgery Resident Board Review Conference. University of Pittsburgh, January 17, 2007.
119. Pediatric Trauma: Neurosurgical Emergencies. 7th Annual John M. Templeton Pediatric Trauma Symposium, Pittsburgh, PA, March 2, 2007.
120. Pediatric Traumatic Brain Injury Management, American Association of Neurological Surgeons, Washington DC, April 14, 2007.
121. Brachial Plexus Injury: Diagnosis and Management. Physical Therapy Grand Rounds. Children's Hospital of Pittsburgh, August 20, 2007.
122. Pediatric Head Trauma: Present and Future Management. Brain Awareness Event 2008. Pittsburgh, PA, March 27, 2008.
123. The Surgical Treatment of Epilepsy in Children. Grand Rounds, Phoenix Children's Hospital, Phoenix, AZ, June 2, 2009.
124. Temporal Lobectomy. 4th Annual CNS Senior Resident Anatomy Workshop. St. Louis, MO, August 15, 2009.
125. Management of Acute Traumatic Brain Injury. Arizona Emergency Medicine Systems. Mesa, AZ September 16, 2009

126. Pediatric Traumatic Brain Injury – Present and Future Management. Graduate Student Seminar Series Arizona State University Tempe, AZ. October 9, 2009
127. Brachial Plexopathy. Pediatric Neurosciences Grand Rounds, St. Joseph's Hospital & Medical Center Phoenix, AZ, November 9, 2009
128. Neurotrauma Emergencies. Advanced Pediatric Life Support Course, Phoenix Children's Hospital Phoenix, AZ, November 15, 2009
129. Pediatric Traumatic Brain Injury Management: Present and Future Considerations. Oregon Health & Science University Portland, OR February 4, 2010
130. Management of Severe Pediatric Traumatic Brain Injury. Brain Trauma Foundation Webinar February 12, 2010
131. Acute Trauma Management of Pediatric TBI. 5th Annual Traumatic Brain Injury Symposium. Barrow Neurological Institute March 26, 2010
132. The Surgical Treatment of Epilepsy in Children. Neuroscience Grand Rounds, Mayo Hospital, Phoenix, AZ, April 7, 2010
133. Pediatric Traumatic Brain Injury Management: Present and Future Considerations. McKnight Brain Institute Gainesville, FL May 20, 2010
134. Surgical Treatment of Epilepsy in Children. McKnight Brain Institute Gainesville, FL May 21, 2010
135. Management of Severe Pediatric Traumatic Brain Injury. 10th Annual EMS Odyssey Conference. Mesa, AZ June 3, 2010
136. Brain PET versus Ictal SPECT: An Incremental Diagnostic Neuroimaging Approach in Epilepsy Society of Nuclear Medicine Salt Lake City, UT June 6, 2010
137. The Management of Pediatric Traumatic Brain Injury: Age at Injury Considerations. Phoenix Children's Hospital: Neuroscience Pediatric Resident Conference Phoenix, AZ July 8, 2010
138. Pediatric Traumatic Brain Injury – Present Day Management of Pediatric Neurotrauma. Arizona Emergency Medicine Services, Phoenix, Arizona, November 8 and 9, 2010
139. Pediatric Neurotrauma: Neurosurgical Emergencies. Air Evacuation Clinical Update. Phoenix, AZ March 4, 2011.
140. Pediatric Traumatic Brain Injury – Present Considerations and Future Vision. Basic Medical Sciences Seminar Series, University of Arizona College of Medicine- Phoenix, Phoenix, AZ, April 7, 2011.
141. Pediatric Traumatic Brain Injury: Trials and Tribulations. American Academy of Pediatrics, Nevada Chapter 4th Annual Meeting. Las Vegas, NV, August 12, 2011.
142. Spine and Spinal Cord Injury in Children. Trauma Grand Rounds. Phoenix Children's Hospital. Phoenix AZ, December 3, 2011.
143. Controversies in the Pediatric Neuro ICU on the topic of Placement of Intracranial Monitors: Should it be Done? 41st Critical Care Congress. Houston, TX. February 7, 2012.
144. Concussion in Children and Adolescents. Arizona State University Sports Medicine and Concussion Symposium. Phoenix AZ, April 28, 2012.
145. Pediatric Traumatic Brain Injury: Trials and Tribulations. 38th Annual Barrow Neurological Symposium, Phoenix AZ, May 16, 2012.
146. Concussion in Children and Adolescents. Phoenix Children's Hospital Sports Medicine Symposium. Phoenix AZ, May 18, 2012.
- 147.

Course Directorships:

1. "Anterior Approaches to the Skull Base"- Resident Course Director- (Practical Course), Congress of Neurological Surgeons, October 1990.
2. "Surgery of the Brachial Plexus and Peripheral Nerve"- Resident Course Director, January 1991.
3. Pediatric Spinal Trauma Conference, 1995- 1997
4. "Current Concepts of Pediatric Brain Injury"- Co-Director, Children's Hospital of Pittsburgh 2nd Annual Neuroscience Symposium, November 18, 1995.
5. "Pediatric Head Injury - Critical Care Course for Neurosurgeons", Congress of Neurological Surgeons, Seattle, WA, October, 1998.

6. Critical Care in Pediatric Neurotrauma, American Association of Neurologic Surgeons, New Orleans, LA, April 25, 1999.
7. "Pediatric Neuro-Critical Care", Congress of Neurological Surgeons, Boston, MA, October 30, 1999.
8. Critical Care in Pediatric Neurotrauma, American Association of Neurological Surgeons, San Francisco, CA, April 9, 2000.
9. Pediatric Neurotrauma Critical Care Course, Congress of Neurological Surgeons, San Antonio, TX, September 23, 2000.
10. Head Injury in Children, Luncheon Seminar, Congress of Neurological Surgeons, San Antonio, TX, September 27, 2000.
11. Pediatric Neurotrauma Critical Care Course, Congress of Neurological Surgeons, San Diego, CA, September 29, 2001.
12. Epilepsy in Children, Luncheon Seminar, Congress of Neurological Surgeons, San Diego, CA, October 2, 2001.
13. Pediatric Neurotrauma. Practical Course, Congress of Neurological Surgeons, Philadelphia, PA, September 21, 2002.
14. Case Management of Complex Head Trauma in Adults and Children. Luncheon Seminar, Congress of Neurological Surgeons, Philadelphia, PA, September 23, 2002.
15. Craniospinal Trauma in Childhood, Practical Course, Congress of Neurological Surgeons, Denver, CO, October 18, 2003.
16. TBI: Lessons Learned and Future Directions. Luncheon Seminar. Congress of Neurological Surgeons. Chicago, IL, October 10, 2006.
17. 16th Annual Children's Neuroscience Symposium. Barrow Neurological Institute at Phoenix Children's Hospital, Phoenix AZ, March 8-9, 2012.

Student/ Post Doctoral Supervision:

1. Nancie Tormey, M.S., Clinical Co-Mentor- Predoctoral Student, Thesis title: "Post-traumatic Stress Disorder in Children after Traumatic Brain Injury", October 1997- July 1999. Psychologist in Private Practice
2. Theresa Tran. Senior Thesis Sponsor -; Undergraduate Student, Thesis Title: "Histopathologic Response of the Immature Rat to Diffuse Traumatic Brain Injury," January 1999 - August 1999. Medical Student- 2002- 2006.
3. Kevin Stevenson, M.D., Post Doctoral Research Sponsor – "Inhibition of the Inflammatory IL-1B Response Following a Severe Focal Traumatic Brain Injury in the Immature Rat: Effect on Histopathology and Functional Outcome," July 1999 – June 2001. Pediatric Neurosurgeon, Atlanta GA.
4. Annalhees Rodriguez. Undergraduate Mentor – "Traumatic Brain Injury in the Immature." January 2001- January 2002.
5. Julie Guentner. Undergraduate Student Sponsor –Pennsylvania State University. "Cerebral Oxygenation and Physiology following Traumatic Brain Injury in Children." Children's Hospital Student Research Training Program. June – August 2001.
6. Dana Vanino, Student Sponsor –University of Pittsburgh. "Differential Effect of Traumatic Brain Injury in the Immature." University of Pittsburgh Student Research Seminar. January- May 2003.
7. Dana Vanino, Senior Thesis Sponsor –University of Pittsburgh. Thesis Title: "Synaptic Connectivity following Traumatic Brain Injury in the Immature." University of Pittsburgh Student Research Seminar- Honors Thesis Project. September 2004- May 2005. Presently Research Assistant II, University of Pittsburgh. Dr. David Adelson's Lab. Accepted to Medical School, Fall 2008.

8. Christopher Bonfield, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Molecular Basis of Synaptic Dysfunction following Traumatic Brain Injury in the Immature.” University of Pittsburgh School of Medicine Student Research Program. April 2004- 2007. Accepted into Neurosurgery Residency, University of Pittsburgh, 2007.
9. Ashley Grosvenor, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Near Infrared Spectroscopy following Pediatric Traumatic Brain Injury.” University of Pittsburgh School of Medicine July 2004- 2006. Accepted into Neurosurgery Residency, Stanford University, 2006
10. Ravi Srinivas, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Cerebral Blood Flow Changes following Pediatric Traumatic Brain Injury.” University of Pittsburgh School of Medicine January 2005- 2008. Accepted into Neurosurgery Residency, University of Pittsburgh, 2009.
11. Carey Wilson. Undergraduate Student Sponsor, Clarion University, Outcomes of children following traumatic brain injury. June- August 2005.
12. Ashley Demarco, Undergraduate Student Sponsor. Emory University, Physiologic response of children following traumatic brain injury, June- August 2005.
13. Frances Zhang, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Synaptic connectivity following Traumatic Brain Injury in the immature rat.” University of Pittsburgh School of Medicine June 2006- 2008. Accepted into Neurology Residency, Northwestern University, 2008.
14. Adam Wright, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Molecular response on synaptic function to experimental Traumatic Brain Injury in the rat.” University of Pittsburgh School of Medicine June 2006- 2007.
15. Christopher Taylor, PhD. Dissertation Committee- University of Pittsburgh. Neuropsychiatric response of traumatic brain injury in children. 2006- 2009. Obtained PhD. Accepted into CDC Post Doctoral Position, University of Pittsburgh, 2009.
16. Heather Derry- Undergraduate Student Sponsor. Endocrine dysfunction following severe traumatic brain injury in children, June- August, 2007.
17. Ravi Srinivas, Medical Student Sponsor –University of Pittsburgh, School of Medicine/ NIMH Student Awardee. “Synaptic Plasticity following experimental pediatric traumatic brain injury.” University of Pittsburgh School of Medicine June 2007- May 2008. Accepted into Neurosurgery Residency, University of Pittsburgh, 2009.
18. Christopher Deibert, Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Post Traumatic Epilepsy in Children following TBI.” University of Pittsburgh School of Medicine November 2007- December 2008. Accepted into Neurosurgery Residency, University of Pittsburgh, 2010.
19. Matthew Durst Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Cerebral Autoregulation in Children following TBI.” University of Pittsburgh School of Medicine February 2008- December 2008.
20. Phillip Lee Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Neurogenesis following experimental pediatric TBI.” University of Pittsburgh School of Medicine February 2008- December 2011. Accepted into Neurosurgery Residency, University of Pittsburgh, 2011.
21. Veronica Ortiz Medical Student Sponsor –University of Pittsburgh, School of Medicine. “Biochemical changes following pediatric TBI.” University of Pittsburgh School of Medicine June 2008- December 2008.

22. Lily Hsieh Medical Student Sponsor –University of Pittsburgh, School of Medicine. “The use of Flumazenil following experimental pediatric TBI.” University of Pittsburgh School of Medicine February 2008- December 2008.
23. Al-Wala Awad, Medical Student Sponsor –University of Arizona, College of Medicine. “The development of Beta Amyloid following experimental pediatric TBI.” October 2010- present.
Awardee: American Association of Neurological Surgeons Medical Student Summer Study Grant- 2011
24. Erin Dixon, Medical Student Sponsor –Meharry School of Medicine. “Hippocampus histopathology in a mouse model of post traumatic epilepsy” June – August 2012.
Awardee: American Pediatric Society and Society for Pediatric Research Medical Student Summer Study Grant- 2011

RESEARCH

CURRENT GRANTS:

Principal Investigator:

- | | |
|---------------------|--|
| 4/1/2007- 6/30/13 | Pediatric Traumatic Brain Injury Consortium: Hypothermia. R01 NS052478, Principal Investigator: P. David Adelson, MD. \$11,500,000.00, (Direct Funds)/ \$14,000,000 (Total Funds) 40% effort |
| 7/01/2010-6/30/13 | A Practical Brain-Computer Interface Based on Micro-ECoG Technology. Arizona Biomedical Research Commission. Principal Investigator: P. David Adelson, MD. \$468,765. |
| 12/1/2010-1/30/12 | Experimental Post-Traumatic Epileptogenesis. Baxter Foundation. Principal Investigator: P. David Adelson, MD. \$123,863. |
| 6/1/2010-5/31/11 | A Retrospective Review to Determine the Efficacy of Vagus Nerve Stimulation in Pediatric Epilepsy Population. Cyberonics. Principal Investigator: P. David Adelson, MD. \$15,000. |
| 1/1/2011-12/31/11 | Post-Traumatic Epileptogenesis Research Awards Committee at Phoenix Children’s Hospital. Principal Investigator: P. David Adelson, MD. \$30,000. |
| 1/1/2011 – 12/31/13 | Clinical Research Infrastructure Development . Integra Foundation. Principal Investigator: P. David Adelson, MD. \$150,000. |

Co-Investigator:

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| 04/01/08- 03/31/13 | Oxidative Lipidomics in Pediatric Traumatic Brain Injury: NIH RO1. Principal Investigator: Hulya Bayir, M.D., \$1,856,250. 5% effort |
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PAST GRANTS:

Principal Investigator:

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| 7/1/92 - 6/30/93 | Neurometabolic and neurochemical changes following severe brain injury, Bank of America- Gianinni Foundation Award for Medical Research, |
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P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

	\$20,000
7/1/94 - 6/30/96	Pathophysiological sequelae following severe brain injury in the neonatal rat, Children's Hospital of Pittsburgh Institutional funding, \$60,000
10/1/94 - 6/30/95	Molecular fluxes following severe brain injury in the neonatal rat, Copeland Foundation, \$20,000
10/1/96 - 6/30/99	Pathophysiological sequelae following severe diffuse traumatic brain injury in immature rats, Copeland Foundation, \$50,000
7/1/96 - 6/30/97	Cerebrovascular response following severe traumatic brain injury in children, Laerdal Foundation, \$15,000
12/12/96 - 11/30/01	Severe diffuse traumatic brain injury in the immature rat, National Institute of Health (NIH) #KO8 NS01809-01, \$498,700 (Direct Funding)
2/1/97 – 1/30/99	End to side "Jump" grafts in a rodent model of peripheral nerve injury and recovery, Children's Hospital of Pittsburgh Research Advisory Funding, \$9,119
8/1/97 - 7/31/98	Cerebrovascular response to diffuse traumatic brain injury in immature rats, Competitive Medical Research Fund, University of Pittsburgh, \$25,000
10/1/97 - 9/30/98	Cerebrovascular response in the immature rat following diffuse severe traumatic brain injury, Beth Frieberg Research Fund, \$5,000
1/1/98 - 12/31/00	Functional and cerebrovascular response to severe diffuse traumatic brain injury in immature rats, Pittsburgh Foundation, \$50,000
7/1/98 - 6/30/00	Clinical investigation of severe traumatic brain injury in children, Congress of Neurological Surgeons Clinical Investigation Scholarship Award, \$54,000
11/1/98 - 10/31/99	Cerebral oximetry monitoring of cerebrovascular dynamics after severe traumatic brain injury in infants and children, GCRC NIH# 5MO1 RR00084, \$18,000
11/1/99 – 10/31/00	Attenuation of the Excitotoxic and Inflammatory Response Utilizing Hypothermia In The Treatment Of Severe Head Injury In Children, GCRC NIH# 5MO1 RR00084, Supplement \$6,045
12/1/00 – 11/31/01	Excitotoxic Response as measured in microdialysate utilizing Hypothermia In The Treatment Of Severe Head Injury In Children, GCRC NIH# 5MO1 RR00084, \$15,000.
7/1/01 – 6/30/02	Differential Age at Injury Response following TBI in Immature Rats, Pittsburgh Foundation (D2001-0280) \$24,840.00
12/1/01 – 11/31/03	Efficacy of Hypothermia in Pediatric TBI: Local cerebral biochemical secondary mediators and ischemia following severe brain injury. GCRC NIH# 5MO1 RR00084, \$15,000, Percent effort included in R01 NS42298.
7/15/99 - 6/30/04	Hypothermia for severe traumatic brain injury in children, Phase II Multicenter Pilot Clinical Trials grant, NIH R01 NS#34884-01(Clinical), \$1,753,634 Direct funding, 10%
5/1/00 – 4/1/04	Data Management Center For Pediatric Neural Injury Center, Federation of Independent School Alumnae, \$197,578

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

- 4/1/04-3/31/05 Planning Grant for Phase III Hypothermia Clinical Trial for Children following Severe TBI. NIH R21 NS #43293. \$150,000 Direct funding,
- 3/1/02 – 3/31/05 Efficacy of Hypothermia on Pediatric TBI, NIH RO1 NS #42298. \$1,118,193, Direct Funding.
- 4/1/99 - 3/31/07 Efficacy of Hypothermia in Pediatric TBI: Hypothermia in the Treatment of Severe Head Injury in Children. Children’s Hospital of Pittsburgh (Supplemental Project) PCTRC NIH# 5MO1 RR00084, **\$25,000**. Principal Investigator: P. David Adelson, MD.
- 6/30/2003- 7/1/2009 Neurologic Injury and Violence in Women and Youth. Center for Injury Research and Control (CIRCL) CDC #R49/CCR323155, Principal Investigator: P. David Adelson, MD. \$853,000 (Direct Funds)

Co-Investigator:

- 1/1/94 - 12/31/94 Odansentron and its use in Pediatric Neurosurgical patients, Principal Investigator: Sheldon Furst, MD, \$5,000
- 1/1/95 - 12/31/95 Positron emission tomography for the evaluation of children with seizures, University of Pittsburgh Institutional funding, Principal Investigator: Bryan Lynch, MD, \$10,000
- 7/1/95 - 6/30/96 The role of Adenosine in the development of cerebrovascular failure following severe head injury in children, GCRC, Children's Hospital of Pittsburgh, Principal Investigator: Michael Bell, MD, \$7,350
- 1/1/96 - 12/31/96 CSF Indices of Inflammation and Tissue Injury to Pediatric Head Injury: Prognostic Implications, Laerdal Foundation, Principal Investigator: James R. Goss, Ph.D., \$15,000
- 1/1/97 - 12/31/99 Efficacy of preclude dura substitute as compared with biological tissue used for dural repair in tethered cord syndrome. WL Gore, Inc., Principal Investigator: A. Leland Albright, M.D., \$31,500
- 4/1/97 - 3/31/98 Accuracy tests of forward and inverse solutions of multichannel EEG, Whitaker Foundation, Principal Investigator: Mingui Sun, Ph.D., \$70,000
- 7/1/97 - 6/30/98 Injury Control Research Center, Center for Disease Control, Principal Investigator: Donald Marion, M.D., \$235,000
- 9/1/97 - 9/1/98 End-to-side “jump” grafts in a rodent model of peripheral nerve injury and recovery, Departmental Research Development Funds, Principal Investigator: Eugene A. Bonaroti, M.D., \$4,000
- 10/1/98 - 9/30/03 Center For Injury Research and Control, Center for Disease Control, Principal Investigator: Donald Marion, M.D., \$4,250,000
- 7/1/99 - 6/30/00 Histopathologic, Neurochemical, and Molecular Response of the Immature Rat Brain to Severe Focal Traumatic Brain Injury. The Pittsburgh Foundation, Principal Investigator: Kevin Stevenson, M.D. \$15,825
- 9/1/99 – 8/31/00 Acute protein changes after pediatric traumatic brain injury (TBI), Emma Winters Foundation, Principal Investigator: Larry W. Jenkins, Ph.D., \$5,000
- 7/1/01 - 6/30/02 Using Biochemical Markers of Injury to Assess Children Less than 3 Years Old Presenting with Signs and Symptoms Consistent with Undiagnosed Head Injury. Children’s Hospital of Pittsburgh Research Foundation. Principal Investigator: Rachel Berger, MD. \$44,490.

- 7/1/01- 6/30/02 Efficacy of Amantadine Hydrochloride after Pediatric Traumatic Brain Injury. National Brain Injury Research Treatment and Training Foundation. Principal Investigator: Sue Beers, PhD. \$90,000.
- 7/1/00 – 6/30/03 Gamma Knife Radiosurgery for Temporal Lobe Epilepsy: Multicenter Trial, NIH RO1. Principal Investigator: Nicholas Barbaro, M.D., 3% (UCSF)
- 4/1/00 - 3/31/04 Protein Synthesis Memory and Pediatric Brain Injury, NIH R21 NS40049, Principal Investigator: Larry W. Jenkins, Ph.D., \$561,979, 5%
- 4/1/99 - 3/31/04 Speech and language disorders following severe traumatic brain injury in children, NIH R01 DC3608, Principal Investigator: Thomas Campbell, Ph.D., \$1,158,270, 5%
- 7/1/01- 6/30/03 Efficacy Of Amantadine Hydrochloride After Pediatric Traumatic Brain Injury. NIH. Principal Investigator: Sue Beers, PhD. \$438,000, 10%.
- 4/1/99 - 3/31/07 Children’s Hospital of Pittsburgh PCTRC NIH# 5MO1 RR00084, Principal Investigator: David Perlmutter, MD, \$37,875.00, 3%
- 07/1/00 - 3/31/08 Training Grant in Pediatric Neurointensive Care and Resuscitation Research, NIH Principal Investigator: Patrick M. Kochanek, M.D., \$1,217,405.00, 3%
- 7/1/02 - 6/30/07 Training Grant in Childhood Neurodevelopmental and Degenerative Disease, NIH. Principal Investigator: Nina F. Schor, MD, Ph.D/ Ira Bergman, MD, PhD \$913,378.00
- 04/01/03-03/31/08 Using Biochemical Markers to Detect Abusive Head Trauma. NIH K23HD043843 Principal Investigator: Rachel Berger, MD.
- 07/01/07-06/30/12 Research Training in Anesthesiology and Pain Management. NIH T32GM075770 Principal Investigator: Yan Xu, MD. 3%
- 04/01/07-03/31/12 Traumatic Brain Injury in Latin America: Lifespan Analysis. NIH RO1. Principal Investigator: Randall Chestnut, MD.
- Consultant:*
- 7/1/00 – 6/30/01 Inhibition of the Inflammatory IL-1B Response Following a Severe Focal Traumatic Brain Injury in the Immature Rat: Effect on Histopathology and Functional Outcome. Principal Investigator: Kevin Stevenson, M.D. \$40,000
- 6/1/99 - 5/31/02 Variation in Pediatric Head Trauma Therapy and Outcomes, Agency for Health Care Policy and Research, Principal Investigator: John M. Tilford, Ph.D., \$1,658,294. (Arkansas)
- 5/1/99 - 4/30/04 Drug Abuse Vulnerability: Mechanisms and Manifestations, NIDA Center Grant #DA05605, Principal Investigator: Ralph E. Tartar, Ph.D., \$12,508,116.
- 9/1/02- 8/31/02 EMSC Targeted Issues Grants 5 H34 MC 00105-02. Maternal and Child Health Bureau. Principal Investigator: John M. Tilford (Arkansas)
- 2/1/02 – 1/31/07 Cooperative Multicenter Traumatic Brain Injury. NIH. Principal Investigator: Ross Zafonte, MD. \$1,116,000.00
- 2/1/02 – 1/31/07 Cooperative Multicenter Traumatic Brain Injury. NIH. Principal Investigator: Ross Bullock, MD. (Medical College of Virginia)

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

4/1/07- 3/30/10 Brain Injury in Infants and young children: Determinants of outcome. NIH Principal Investigator: Kent Hymel, MD. (Inova Hospitals Virginia)

Pending Grants:
Co-Investigator:

PENDING Impact of Implementing the EMS Traumatic Brain Injury Treatment Guidelines in Children: EPIC4Kids Study. Daniel Spaite, Robert Bobrow \$1,084,043

PENDING Therapeutic Hypothermia and Nitrosative Stress after Severe Traumatic Brain Injury in Infants and Children: Hulya Bayir, M.D., \$13,800.

SEMINARS, SYMPOSIA, AND INVITED LECTURESHIPS RELATED TO RESEARCH

1. Himori T, Ohnuma T, **Adelson D**, Holland J. Differential cell killing and terminal differentiation of a human acute myelogenous leukemia cell line (HL-60) *in vitro*. Proceedings of the American Association of Cancer Research, May 1981.
2. **Adelson PD**, Peacock WJ, Chugani H, Comair Y, Vinters H. Temporal lobectomy in young children. Proceedings of the Pediatric Section of the AANS, December 1990.
3. Johnson JP, **Adelson PD**, Martin NA, Thomas K, Duckwiller G, Becker DP. Dissecting intracranial aneurysms of the posterior circulation: Approach to diagnosis and management. American Association of Neurological Surgeons Annual Meeting, April 1991.
4. DeSalles AD, Swartz B, **Adelson PD**, Johnson JP, Delgado-Escueta A, Tomayasu U, Becker DP. Chronic an acute electrocorticography in epilepsy surgery. Congress of Neurological Surgeons Annual Meeting, October 1991.
5. **Adelson PD**, Hovda DA, Villablanca JR, Tatsukawa K. Sparing of visual fields following neonatal cerebral hemispherectomy: Reorganization of the cortical-tectal pathway. Congress of Neurological Surgeons Annual Meeting, October 1991.
6. **Adelson PD**, Hovda DA, Villablanca JR, Tatsukawa K. Reorganization of the cortical-tectal pathway following neonatal hemispherectomy in cats. Proceedings of the Pediatric Section of the AANS, December 1991.
7. DeSalles AD, Swartz B, **Adelson PD**, Johnson JP, Delgado-Escueta A, Tomayasu U, Becker DP. Electrocorticography in the evaluation of epilepsy patients. American Epilepsy Society, December 1991.
8. Caron M, **Adelson PD**, Hovda DA Becker DP. Metabolic derangements following concussive brain injury. Proceedings of the Richard Lende Winter Neurosurgical Meeting, February 1992.
9. Johnson JP, **Adelson PD**, Martin NA, Thomas K, Duckwiller G, Becker DP. Diagnosis and management of dissecting intracranial aneurysms of the posterior circulation. Proceedings of the Richard Lende Winter Neurosurgical Meeting, February 1992.
10. **Adelson PD**, Hovda DA, Villablanca JR, Tatsukawa K. Reorganization of the cortical-tectal pathway following neonatal hemispherectomy in cats. Kenneth Shulman Award Presentation, American Association of Neurological Surgeons Annual Meeting, April 1992.

11. **Adelson PD**, Ogawa H, Hovda DA, Caron MJ, Becker DP. Acute alterations in cerebral metabolism and glutamate concentrations following suction-ablation injury. American Association of Neurological Surgeons Annual Meeting, April 1992.
12. **Adelson PD**, Hovda, Loopujit L, Villablanca JR. Prenatal cortical injury: Metabolic and anatomical effects in the cat. Proceedings of the Pediatric Section of the AANS, December 1992.
13. **Adelson PD**, Black PMcL, Kramer U, Rockoff MA, Riviello J, Helmers SL, Mikati M, Holmes G, Madsen JR. Subdural monitoring for identifying a seizure focus in children. American Association of Neurological Surgeons Annual Meeting, April 1994.
14. Furst SR, Soriano S, Sullivan LN, **Adelson PD**, McDermott JS, Rockoff MA. Postoperative emesis following craniotomy in children. Proceedings of the American Society of Anesthesiology Annual Meeting, October 1994.
15. **Adelson PD**, Scott RM. Pial synangiosis for Moyamoya in children. Proceedings of the Pediatric Section of the AANS, December 1994.
16. Scott RM, **Adelson PD**. Pial synangiosis for Moyamoya in children. Proceedings of the American Society of Pediatric Neurosurgeons, January 1995.
17. Scott RM, **Adelson PD**. Pial synangiosis for Moyamoya in children. American Association of Neurological Surgeons Annual Meeting, April 1995.
18. Losken HW, Pollack IF, Singhal VK, **Adelson PD**. Endoscopic vascularized fronto-orbital advancement. Proceedings of the VIth International Congress of Craniofacial Surgery, October 1995.
19. Scott RM, **Adelson PD**. Pial synangiosis for Moyamoya in children. Congress of Neurological Surgeons Annual Meeting, October 1995.
20. **Adelson PD**, Albright AL, Gerszten P, Crumrine P, Vries J. Focus localization using depth electrodes in children. American Epilepsy Society Annual Meeting, December 1995.
21. **Adelson PD**, Albright AL, Gerszten P, Crumrine P, Vries J. Stereotactic depth electrodes for localizing seizure foci in children. Proceedings of the Pediatric Section of the AANS, December 1995.
22. Gerszten PC, **Adelson PD**, Kondziolka D, Pollack IF, Flickinger JC, Lundsford LD. Seizure control in children treated for arteriovenous malformations by radiosurgery. Proceedings of the Pediatric Section of the AANS, December 1995.
23. Bell M, **Adelson PD**, Jackson E, Clark R, Mi Z, Carcillo J, Kochanek P. Adenosine concentrations in cerebrospinal fluid after severe traumatic brain injury in children. Proceedings of the Society for Critical Care Medicine, February, 1996.
24. **Adelson PD**, Clyde B, Kochanek PM, Yonas H, Marion DW. Cerebral blood flow and CO₂ vasoresponsivity following severe traumatic brain injury in children. American Association of Neurological Surgeons Annual Meeting, April 1996.
25. Meltzer CC, Jadali F, Mintun MA, Towbin RB, Crumrine P, **Adelson PD**, Fitz C. Comparisons of FDG- PET, SPECT, and MRI in pediatric epilepsy. Proceedings of the Society for Nuclear Medicine, June, 1996.

26. **Adelson PD**, Clyde B, Kochanek PM, Yonas H, Marion DW. Cerebral blood flow and CO₂ vasoreactivity in children following severe traumatic brain injury. Proceedings of the International Conference on Recent Advances in Neurotraumatology, September, 1996.
27. **Adelson PD**, Bell M, Jackson E, Clark R, Mi Z, Carcillo, Kochanek P. Increased adenosine concentrations in cerebral spinal fluid after severe traumatic brain injury in children. Proceedings of Congress of Neurological Surgeons Annual Meeting, October 1996.
28. Bell M, **Adelson PD**, Doughty LA, Carcillo JA, Clark RSB, DeKosky S, Kochanek PM. Interleukin-6 (IL-6) and Interleukin-10 (IL-10) in cerebrospinal fluid following severe traumatic brain injury in children. Proceedings of the 10th International Symposium for Brain Edema, October 1996.
29. Gerszten PC, Albright AL, Pollack IF, **Adelson PD**. The relationship between intraoperative hypothermia and ventricular shunt infections. Proceedings of the Pediatric Section of the AANS Annual Meeting, December 1996.
30. Lowry DW, Pollack IF, Clyde B, **Adelson PD**, Albright AL. Upper cervical spine fusion in the pediatric population. Proceedings of the Pediatric Section of AANS/ CNS Annual Meeting, December 1996.
31. **Adelson PD**, Clyde B, Kochanek PM, Wisniewski S, Yonas H, Marion DW. Cerebrovascular response following severe traumatic brain injury in infants and young children. Proceedings of the American Society of Pediatric Neurosurgeons 20th Annual Meeting, St. Croix, VI, January 29, 1997.
32. **Adelson PD**, Whalen M, Robichaud P, Carlos T, Kochanek P. Blood brain barrier permeability and acute inflammation in two models of TBI in the immature rat. Proceedings of the Tenth International Symposium on Intracranial Pressure and Neuromonitoring in Brain Injury, May, 1997.
33. **Adelson PD**, Nemoto E, Painter M. The use of near infrared spectroscopy in children after severe head injury. Proceedings of the Tenth International Symposium on Intracranial Pressure and Neuromonitoring in Brain Injury, May 26, 1997.
34. **Adelson PD**, Clyde B, Kochanek PM, Wisniewski S, Yonas H, Marion DW. Cerebrovascular response following severe traumatic brain injury in infants and young children. Proceedings of the 1997 IVth International Symposium on Xenon CT Cerebral Blood Flow, June 12, 1997.
35. Bonaroti EA, Rose RD, Thompson TP, **Adelson PD**. Histopathologic and electrophysiologic analysis of end to side nerve anastomosis. Congress of Neurological Surgeons Annual Meeting, October 1, 1997.
36. **Adelson PD**. Developmental animal models of traumatic brain injury. 15th Annual National Neurotrauma Society Symposium, October 24, 1997.
37. Sun M, Scheuer ML, Qian S, Baumann SB, **Adelson PD**, Sclabassi RJ. Time- frequency analysis of high-frequency activity at the start of epileptic seizures. International Conference of the IEEE Engineering in Medicine and Biology Society, October 31-November 2, 1997.
38. **Adelson PD**, Nemoto E, Scheuer M, Painter M, Yonas H. Preseizure cerebral hyperoxygenation detected by cerebral oximetry. American Epilepsy Society 51st Annual Conference, December 5-10, 1997.
39. Kochanek PM, Clark RSB, Bell MJ, Forbes ML, Whalen MJ, **Adelson PD**. Severe traumatic brain injury in children: Epidemiology, pathophysiology, monitoring, and management. Society for Critical Care Medicine, Current Concepts in Pediatric Critical Care, San Antonio, Texas, February 2-3, 1998.

40. Whalen MJ, Carlos TM, **Adelson PD**, Bell MJ, DeKosky ST, Clark RSB, Kochanek PM. Interleukin-8 is increased in CSF of children with severe traumatic brain injury. American Pediatric Society, New Orleans, Louisiana, May 1-5, 1998.
41. Meltzer CC, Scheuer MP, **Adelson PD**, Brenner R, Van Cott A, Bozik M, Schiff D, Dachille MA, Townsend DW. Ictal FDG PET imaging for localization of epileptic foci in patients with continuous partial seizures. Society of Nuclear Medicine, Toronto, Canada, June 6-11, 1998.
42. **Adelson PD**. Animal models of traumatic brain injury in the developing brain. III International Congress of Pathophysiology, Lahti, Finland, June 28 - July 5, 1998.
43. **Adelson PD**. Mechanisms and management of traumatic brain injury in children. University of Arkansas, Medical Center, Visiting Professor, Little Rock, Arkansas, August 1, 1998.
44. Kochanek PM, Clark RSB, Whalen MJ, Bell M, Ruppel R, Robertson C, **Adelson PD**. Frontiers in Cerebral Resuscitation: Lessons Learned from Human Head Injury. 12th Annual Society for Pediatric Anesthesia Meeting, Orlando, Florida, October 16, 1998.
45. Nemoto EM, **Adelson PD**, Painter M. Cerebral oximetry in head injured children. 26th Annual Meeting of Society of Neuroanesthesia and Critical Care, Orlando, Florida, October 16, 1998.
46. **Adelson PD**. Management of traumatic brain injury in children. Valley Children's Hospital, University of California, San Francisco, Visiting Professor, Fresno, California, April 15-16, 1999
47. Beers SR, Lollar C, Ryan CM, **Adelson PD**. Assessment of preinjury behavior in children with mild to moderate head injury. 23rd Annual Cognitive, Neuromedical and Behavioral Aspects of Brain Injury Conference, Williamsburg, Virginia, June 10-13, 1999.
48. **Adelson PD**. The Michael Scott Symposium: Head and Spinal Cord Injury Update. Temple University, Philadelphia, PA, June 3-5, 1999
49. **Adelson PD**, Experience with XeCT Following Trauma in Children, Xenon/CT CBF: Why, Why, and How Symposium, University of Pittsburgh, Pittsburgh, PA, July 23-24, 1999.
50. Villemagne VL, Tutor CA, Hamilton R, Crumrine PC, **Adelson PD**, Fitz C, Towbin R, Meltzer CC. Pre-surgical Evaluation of Hemimegalencephaly with PET. Proceedings of the American Society of Neuroradiology 38th Annual Meeting, Atlanta, GA, April 2-6 2000.
51. Villemagne VL, Tutor CA, Hamilton R, Crumrine PC, Fitz C, Towbin R, **Adelson PD**, Meltzer CC. Pre-surgical evaluation of hemimegalencephaly with PET. Proceedings of the Society of Pediatric Radiology, Naples, FL, April 30-May 3, 2000.
52. Mendelson SA, Dominick T, Tyler-Kabara E, **Adelson PD**, Moreland M. Early vs. late femoral fracture stabilization in multiply injured pediatric patients with closed head injury. Proceedings of the American Academy of Orthopedic Surgeons 68th Annual Meeting, San Francisco, CA, February 28- March 4, 2001.
53. **Adelson PD**. Head Injury in Children: Considerations in Approach to Management. Visiting Professor, University of California, Los Angeles, Los Angeles, CA, May 16, 2001.
54. **Adelson PD**. Biochemical and Molecular Mechanisms of Secondary Damage after Severe Traumatic Brain Injury in the Developing Brain. Visiting Professor. Neuroscience Grand Rounds. UCLA. Los Angeles, CA, May 16 2001.

55. Nash T, Rusiewicz HL, Campbell T, Balason D, Dollaghan C, **Adelson, PD** Speech abilities of young children following severe traumatic brain injury. American Speech, Language Hearing Association Annual Convention, New Orleans, November 17, 2001.
56. **Adelson PD**, Sclabassi R, Nystrom NA. Entrapment Neuropathy contributing to Dysfunction after Birth Brachial Plexus Injuries. Annual Meeting of the Joint Section of the AANS/ CNS of Pediatric Neurosurgery. New York, NY, December 6, 2001.
57. **Adelson PD**, Dixon CE, Davis DS, Santone D, Goodwin A, Jenkins LW, Kochanek PM. Differential age-at-injury effect of NMDA blockade on outcome following controlled cortical impact in immature rats. First Joint Symposium of the International and National Neurotrauma Societies, Tampa, FL, October 28, 2002.
58. Frim D, **Adelson PD**, Mazzola CA, Walker ML, Miesel K, Stylos L, Penn R: Continuous long-term monitoring of intracranial pressure in ambulatory hydrocephalus patients. Seventh National Conference on Hydrocephalus, 2002
59. **Adelson PD**. Hypothermia for acute neurologic injury in children. Society of Critical Care Medicine Annual Meeting, San Antonio, TX, January 28, 2003.
60. **Adelson PD**. Partington M. Guidelines for the Management of Severe Traumatic Brain Injury in Children. American Society of Pediatric Neurosurgeons, Kona, HI, February 7, 2003.
61. Soliman DE, Apuya J, **Adelson PD**, and Soliman I: The use of Aprotinin in children undergoing hemispherectomy for intractable seizure presented at the Society of Pediatric Anesthesia, February 20-23, 2003, Fort Myers, Florida.
62. Varma S, Janesko KL, Berger RP, Wisniewski SR, **Adelson PD**, Shore PM, Kochanek PM. Neuron specific enolase and Glasgow coma score in pediatric traumatic brain injury. Proceedings of the National Center for Injury Prevention and Control Conference. March 2003.
63. Soliman DE, Apuya J, **Adelson PD**, and Soliman I: The use of Aprotinin in children undergoing hemispherectomy for intractable seizures. American Society of Anesthesiologists Annual Meeting Clinical Neurosciences 99(3A):A355, October 2003.
64. Lee MC, Penn R, Frim D, **Adelson PD**, Kestle J, Miesel K, Stylos L. Chronic Intracranial Pressure Monitoring with InSite. University of Chicago Department of Surgery Charles B. Huggins Annual Research Conference, Chicago, Illinois, May 10, 2003.
65. **Adelson PD**. Differential Age at Injury. Effects in the Immature Rat following Traumatic Brain Injury. Visiting Professor. University of Florida, Gainesville, Florida, May 22-24, 2003.
66. **Adelson PD**. Critical Care Management of Children following Severe Traumatic Brain Injury. Visiting Professor. University of Florida, Gainesville, Florida, May 22-24, 2003.
67. **Adelson PD**, Ragheb J, Muizelaar JP, Duhaime AC, Johnson D, Kanev P, Brockmeyer D, Beers S, Brown SD, Cassidy L, Chang Y, Levin H. Prospective Multicenter Randomized Phase II Trial Of Moderate Hypothermia In Children Following Severe TBI. Congress Of Neurological Surgeons Annual Meeting, Denver Co, October 21, 2003.
68. **Adelson PD**. Hypothermia in Children Following Severe TBI. International Brain Hypothermia Symposium 2004, Tokyo, Japan, February 5-6, 2004.

69. Berger R, **Adelson PD**, Kochanek P. Measurement of Biomarkers of Brain Injury in Infants at Increased Risk of Inflicted Traumatic Brain Injury. Congress of Neurological Surgeons Annual Meeting. Poster Presentation, San Francisco, California, October 14-21, 2003.
70. Soliman DE, Apuya J, **Adelson PD**, and Soliman I: The use of Aprotinin in children undergoing hemispherectomy for intractable seizures. American Society of Anesthesiologists Annual Meeting Clinical Neurosciences 99(3A):A355, October 2003.
71. **Adelson PD**. Modeling of Pediatric Traumatic Brain Injury; National Neurotrauma Society Meeting, Biloxi, Mississippi, November 6, 2003
72. **Adelson PD**. Preventing Secondary Brain Injury, Children's Hospital of Philadelphia Trauma Symposium, Philadelphia, PA, March 12-13, 2004.
73. Cassidy LD, Ford HR, **Adelson PD**, Brown D, Gaines B, Marsh GM. Registry Design and Technology Planning Study for the National Trauma Registry for Children. Society of Trauma Nurses Annual Meeting, Las Vegas, Nevada, March 20-21, 2004.
74. **Adelson PD**. Recent Advances in Pediatric Neurotrauma, 5th Annual John M. Templeton Pediatric Trauma Symposium, Pittsburgh, PA, March 4- 5, 2005.
75. **Adelson PD**. Randomized Controlled Trial of Hypothermia following Severe TBI in Children. Pediatric Academic Society's Annual Meeting. Washington DC, May 14- 17, 2005.
76. **Adelson PD**. Informed Consent: Prognosis and Outcome following Obstetrical Brachial Plexus Injuries, 1st Birth Injuries and Brachial Plexus Palsy Symposium, Baltimore, MD, May 22- 23, 2005.
77. **Adelson PD**. Age at Injury Considerations in Pediatric Traumatic Brain Injury. University of California Neurotrauma Symposium. Ojai, CA, August 10, 2005.
78. **Adelson PD**. State of the Art of Adult and Pediatric Head Trauma. Russian-American Neurosurgery Symposium. St. Petersburg, Russia, August 17, 2005.
79. **Adelson PD**. International Symposium: Finding a "Cure" for Brain Injury: Improving Outcomes in Children following TBI. Johnstown, PA, October 14-16, 2005.
80. Jankowitz B, Gardner P, **Adelson PD**, Albright AL, Pollack IF. Late Failure of Endoscopic Third Ventriculostomy in Children. AANS/CNS Section on Pediatric Neurosurgery Annual Meeting. December 2, 2005.
81. **Adelson PD**. Pediatric Traumatic Brain Injury. Society of Critical Care Medicine. 35th Critical Care Congress. San Francisco, CA. January 9-12, 2006.
82. **Adelson PD**. Brain Tissue Oxygen Monitoring in Children following Severe TBI. Society of University Neurosurgeons Annual Meeting, San Diego, CA. March 21, 2006.
83. **Adelson PD**. Pediatric Traumatic Brain Injury: Where are we? And where are we going? Perot Family Pediatric Brain and Spine Injury Center Symposium. Dallas, TX. March 31, 2006.
84. **Adelson PD**. Trauma Systems and Divert Rates. International Neurotrauma Symposium. Rotterdam, Netherlands. May 22, 2006.
85. **Adelson PD**. Management of Pediatric Traumatic Brain Injury. International Neurotrauma Symposium. Rotterdam, Netherlands. May 23, 2006.

86. Tilford JM, Goodman A, **Adelson PD**. Economic evaluation of intensive care services for pediatric traumatic brain injury patients. EMSC Annual Meeting. Washington DC. June 20- 22, 2006. **2006 EMSC Research Project Award.**
87. **Adelson PD**. Traumatic Brain Injury in Children: Where are we and where are we going? Visiting Professor. University of Medicine and Dentistry, New Jersey. Newark, NJ. September 12-13, 2006.
88. **Adelson PD**. Cerebral Oximetry: Is it ready for widespread application? Congress of Neurological Surgeons Annual Meeting. Chicago, IL. October 10, 2006.
89. **Adelson PD**. Traumatic Brain Injury in Children. American College of Surgeons Annual Meeting. Chicago, IL. October 10, 2006.
90. **Adelson PD**. Contemporary and Novel Management of Traumatic Brain Injury in Children. Society of Neuroanesthesia and Critical Care Annual Meeting. Chicago, IL. October 13, 2006.
91. **Adelson PD**. Cervical Spine Clearance in Pediatric Trauma: Expert Presentation. American Society of Pediatric Neurosurgery. Lanai, Hawaii. January 30, 2007.
92. **Adelson PD**. Pediatric Traumatic Brain Injury: Where are we? And where are we going? John and Sabina Frew Lectureship in Neurotrauma and Critical Care and Visiting Professorship. Indiana University. Indianapolis, IN. March 21, 2007.
93. **Adelson PD**. Pediatric Traumatic Brain Injury: Present and Future Directions. Visiting Professor. Louisiana State University, Shreveport, LA. March 28, 2007.
94. **Adelson PD**. Age at Injury Considerations in Pediatric Traumatic Brain Injury. Visiting Professor. Virginia Commonwealth University and Medical College of Virginia, Richmond, VA. April 25, 2007.
95. **Adelson PD**, Berger R, Beers S. Serum biomarkers following traumatic brain injury in children. Society of University Neurosurgeons, London, England, June 29, 2007.
96. **Adelson PD**. Guidelines in Pediatric Neurotrauma. Simposio Internacional Medicina Critica: Neurotrauma y Neurointensivismo. Bogotá, Colombia, August 9, 2007.
97. **Adelson PD**. Pediatric Neurotrauma: Contemporary Management. Simposio Internacional Medicina Critica: Neurotrauma y Neurointensivismo. Bogotá, Colombia, August 10, 2007.
98. **Adelson PD**. Management of Pediatric Neurotrauma. Keynote Speaker/ Visiting Professor. 1st Annual Pediatric Trauma Symposium. University Medical Center. Las Vegas, NV, August 22, 2007.
99. **Adelson PD**. Hypothermia in Pediatric TBI. 2nd International Brain Hypothermia Symposium 2007, Miami, FL, October 24-26, 2007.
100. **Adelson PD**. Neurotrauma: The Role of the Neurointensivist and Neurosurgeon. Keynote Speaker/ Neurocritical Care Society. Las Vegas, NV, November 2, 2007.
101. **Adelson PD**. Clinical Trials in Pediatric Traumatic Brain Injury. New Frontiers in Pediatric Traumatic Brain Injury Symposium. San Diego, CA, November 9, 2007.
102. Raja AI, Brown D, **Adelson PD**. Use of Near Infrared Spectroscopy (NIRS) in the Management of Severe Traumatic Brain Injury in Children. Nagoya, Japan. November 19, 2007
103. **Adelson PD**. Pediatric Head Trauma. State of the Art Review: Latin American Symposium. AANS/ CNS Section on Pediatric Neurosurgery. Miami, FL. December 2, 2007.
104. **Adelson PD**. Pediatric Head Injury Present and Future. Visiting Professor. Semmes Murphy Clinic, Memphis TN, January 10- 12, 2008

105. **Adelson PD**, Management of Pediatric Traumatic Brain Injury: Present and Future Trends. Distinguished Visiting Professor, Connecticut Children's Hospital and University of Connecticut, Hartford, CT, March 18-19, 2008.
106. **Adelson PD**. Pediatric TBI: Present and Future Management. Visiting Professor. Phoenix Children's Hospital, Phoenix, AZ, May 29- 30, 2008
107. **Adelson PD**. Pediatric TBI Guidelines. National Neurotrauma Society. Orlando, FL, July 27, 2008.
108. **Adelson PD**. Pediatric TBI: Present and Future Management. 5th Annual Meeting of the Croatian Neurosurgical Society, September 4, 2008.
109. **Adelson PD**. Evidence Based Medicine: Pediatric Neurosurgery. Congress of Neurological Surgeons Annual Meeting. Orlando, FL, September 22, 2008.
110. **Adelson PD**. Hypothermia for Pediatric TBI. International Society of Pediatric Neurosurgery. Cape Town, South Africa, October 16, 2008.
111. **Adelson PD**. Pediatric TBI Guidelines. Pediatric Brain Monitoring Workshop. Cape Town, South Africa, October 17, 2008.
112. **Adelson PD**. Biomarkers in Pediatric TBI. Pediatric Brain Monitoring Workshop. Cape Town, South Africa, October 17, 2008.
113. **Adelson PD**. Pediatric TBI: Present and Future Management. Visiting Professor. UCLA School of Medicine. Los Angeles, CA, December 10, 2008
114. **Adelson PD**. Pediatric Cervical Spine Clearance. Visiting Professor. Children's Hospital of Los Angeles. Los Angeles, CA, December 11, 2008
115. **Adelson PD**. Pediatric TBI: Present and Future Management. Visiting Professor. Children's Hospital of Los Angeles. Los Angeles, CA, December 12, 2008.
116. **Adelson PD**. Surgical of Temporal Lobe Epilepsy. Honored Guest Lecturer, Neurological Society of India, Pune, India, December 18, 2008.
117. **Adelson PD**. Pediatric TBI Guidelines. Honored Guest Lecturer, Neurological Society of India, Pune, India, December 19, 2008.
118. **Adelson PD**. Pediatric TBI: Present and Future Considerations in Management. 29th Annual Meeting of Japanese Congress of Neurological Surgeons, Osaka, Japan, May 15, 2009.
119. **Adelson PD**. The Surgical Treatment of Epilepsy in Children. 29th Annual Meeting of Japanese Congress of Neurological Surgeons, Osaka, Japan, May 15, 2009.
120. **Adelson PD**. Management of Acute Traumatic Brain Injury. 1st Annual Symposium: Brain Injury in Children. SickKids Centre for Brain and Behaviour, Toronto, ON, Canada, July 9, 2009.
121. **Adelson PD**. Management of Spasticity in Children with Cerebral Palsy. American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting. Phoenix, AZ September 26, 2009
122. **Adelson PD**. Spine and Spinal Cord Trauma Management in Children. 1st Annual Arizona Trauma and Acute Care Symposium. Scottsdale, AZ, November 5, 2009.
123. **Adelson PD**. Pediatric Traumatic Brain Injury – Present and Future Management. 1st Annual Arizona Trauma and Acute Care Symposium. Scottsdale, AZ, November 5, 2009.

124. **Adelson PD.** Role of Epilepsy and Management of Seizures. Leadership Summit, Houston, TX
November 13, 2009
125. **Adelson PD.** Individualized Medicine and an Evolving Paradigm for the Pediatric Neurosciences.
Anthony Gallo Jr. Invited Lecture, Oregon Health and Science University Portland, OR. February 6,
2010
126. **Adelson PD.** Pediatric Traumatic Brain Injury – Present and Future Management. Anthony Gallo Jr.
Invited Lecture, Oregon Health and Science University Portland, OR. February 5, 2010
127. **Adelson PD.** Pediatric Traumatic Brain Injury – Present and Future Management. Brain Trauma
Foundation Webinar. February 12, 2010
128. **Adelson PD.** Pediatric Traumatic Brain Injury – Present and Future Management. Keynote Speaker.
5th Annual Traumatic Brain Injury Symposium, Barrow Neurological Institute, Phoenix, AZ, March
26, 2010
129. **Adelson PD.** Surgical Treatment of Epilepsy. Mayo Hospital Neuroscience Grand Rounds.
Scottsdale, AZ, April 7, 2010
130. **Adelson PD.** The Management of Pediatric Traumatic Brain Injury: Age at Injury Considerations
Symposia Stocholm Karolinska University Stockholm, Sweden June 15, 2010
131. **Adelson PD.** Pediatric Traumatic Brain Injury – Present State and Future Vision. Keynote Speaker.
14th International Intracranial and Brain Monitoring Symposium, Tubingen, Germany, September
14, 2010
132. **Adelson PD.** Pediatric Surgical Epilepsy: Indications, Diagnosis, Surgical
Techniques and outcomes. Keynote Speaker. NEUROCON 2010 Neurosurgical Society
of India and Congress of Neurological Surgeons Joint Conference, Jaipur, India, December 17, 2010
133. **Adelson PD.** Individualized and Personalized Medicine: Development of a
Children’s Neuroscience Institute. Peter N. Tandon Lecturer. NEUROCON
2010 Neurosurgical Society of India and Congress of Neurological Surgeons Joint Conference,
Jaipur, India, December 17, 2010
134. **Adelson PD.** Management of Pediatric Traumatic Brain Injury. 37th Annual Barrow Neurological
Institute Neurosurgery Symposium. Phoenix, AZ March 11, 2011
135. **Adelson PD.** Pediatric Traumatic Brain Injury – Future Update. Keynote Speaker. 6th World
Congress of Pediatric Critical Care, Sydney, Australia, March 16, 2011.
136. **Adelson PD.** Clinical Research in Pediatric Traumatic Brain Injury: Trials and Tribulations. 6th
World Congress of Pediatric Critical Care, Sydney, Australia, March 16, 2011.
137. **Adelson PD.** Pediatric Traumatic Brain Injury: Using 2nd Tier Therapies. 6th World Congress of
Pediatric Critical Care, Sydney, Australia, March 16, 2011.
138. **Adelson PD.** Pediatric Neurotrauma: When to Stop? 6th World Congress of Pediatric Critical Care,
Sydney, Australia, March 17, 2011.

139. **Adelson PD.** Pediatric Traumatic Brain Injury – Present Considerations and Future Vision. Basic Medical Sciences Seminar Series, University of Arizona College of Medicine- Phoenix, Phoenix, AZ, April 7, 2011.
140. **Adelson PD.** Present and Future Management of Pediatric Traumatic Brain Injury. 16th Annual Congress of the Spanish Society of Neurosurgery, Madrid, Spain, May 27, 2011.
141. **Adelson PD.** Pediatric Traumatic Brain Injury: Trials and Tribulations. 2nd Annual Symposium: Brain Injury in Children. SickKids Centre for Brain and Behaviour. Toronto, ON, Canada, July 13, 2011.
142. **Adelson PD.** Pediatric Traumatic Brain Injury: Trials and Tribulations. American Academy of Pediatrics, Nevada Chapter 4th Annual Meeting. Las Vegas, NV, August 12, 2011.
143. **Adelson PD.** Management of Pediatric Traumatic Brain Injury. EANS Training Course. Marseilles, France. August 30, 2011
144. **Adelson PD.** Traumatic Brain Injury in children: Physiopathology & Treatment of cerebral edema and swelling. 14th World Federation of Neurosurgical Society. Recife, Brazil. September 14, 2011
145. Carballo C, **Adelson PD**, Allred K, Clarke-Levens P, Kinnard P. Dysphagia in Neonates treated with Hypothermia Therapy for Hypoxic ischemic Encephalopathy May 2011
146. **Adelson PD.** Controversies in the Pediatric Neuro ICU- Placement of Intracranial Monitors: Should it be Done? 41st Critical Care Congress Houston, TX. February 7, 2012
147. **Adelson PD**, Wahnoun R, Helms-Tillery S, Arango J. Finger and task specific activation in electrocorticographic recordings of pediatric epileptic patients. Society of University Neurosurgeons. Atlanta, GA, March 19, 2012.
148. **Adelson PD.** Building a Pediatric Neuroscience Institute. University of . Phoenix, AZ, July 20, 2012.
149. **Adelson PD.** Decompressive Craniectomy in Children following TBI. National Neurotrauma Society Symposium. Phoenix, AZ, July 24, 2012

OTHER RESEARCH RELATED ACTIVITIES

Editor

Joint Section on Neurotrauma and Critical Care AANS/CNS Newsletter, 2002- 2004

Editorial Board

Neurosurgery News, 1999-present
Self-Assessment in Neurological Surgery (SANS), 2002-present
NEUROSURGERY, 2003- present
CNS Website, www.neurosurgeon.org. 2004- present
Self Assessment in Neurosurgery (SANS) Wired, 2004- present
Therapeutic Hypothermia, 2010- present
Neural Regeneration Research, 2011- present
World Science, 2011- present

Ad Hoc Journal Review:

Journal of the American Medical Association (JAMA), 1996
Neuroscience, 1996

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

Pediatric Neurosurgery, 1996- 2004
Brain Research, 2000, 2002, 2005- present
Anesthesia and Analgesia, 2005
Child's Nervous System, 1999- present
Journal of Neurotrauma, 2001- present
Neurosurgery, 2002
Journal of Neurocritical Care, 2002
Epilepsia, 2001- present
Pediatrics 2005
New England Journal of Medicine, 2010
Nature Medicine, 2011

Book Review:

Core Curriculum for Pediatric Critical Care Nursing, (Ed): MC Slota, American Association of Critical-Care Nurses, 1997

Grant Review/ Study Section/ Study Group:

National Institute of Health

Biological and Physiological Sciences Special Emphasis Panel-Reviewer, 1998

Inflicted Pediatric Neurotrauma Study Group- Reviewer, 2002

NETT Hub Special Emphasis Panel- Reviewer, 2006

WPIC Research Committee, Ad hoc Reviewer, 1998- present

Research Advisory Committee, Children's Hospital of Pittsburgh, 1996-present

Research Advisory Committee, University of Pittsburgh, Children's Hospital of Pittsburgh, General Clinical

Research Center/ Pediatric Clinical Translational Research Center, 1996-present

Canadian Health Institute for Research, 2001

Walter L. Copeland Fund, Pittsburgh Foundation, 2002- 2008

American Institute of Biological Sciences, 2011

National Football League Charities, 2011

Data Safety and Monitoring Committee/ Scientific Advisory Committee/ Boards:

Statler K, et al. "The differential effects of sedative agents on excitotoxicity in adult TBI patients." 2001-2003.

Perot Family Pediatric TBI Center, (Dr. Steve Kernie). Dallas Southwestern Children's Hospital. 2005- 2008.

Hymel K et al. Brain Injury in Infants: Unique Determinants of Outcome. University of Virginia, 2006-2008.

PROFESSIONAL ACTIVITIES AND COMMITTEES:

Local

Phoenix Children's Hospital

Director, Barrow Neurological Institute at Phoenix Children's Hospital, 2011 – present

Director, Phoenix Children's Neuroscience Institute, 2009 – present

Chief, Pediatric Neurosurgery, 2009 – present

Hospital Medical Advisory Board, 2009- present

Peer Review Committee, 2009- present

Surgical Committee, 2009- present

Children's Hospital of Pittsburgh

Benedum Trauma Center, 1994- 2007

Associate Director, 1998- 2005

Medical Advisory Committee, 1994- 2007

Co- Chair, ICU Utilization Committee, 1994- 1995.

Co-Chair, Patient Care Model Committee, 1995

Coordination Council Committee, 1995- 1998

Information Technology Operating Committee, 1996- 1998

General Clinical Research Center, 1996-2008

Scientific Advisory Committee, 1996- 2008

Associate Director, 1999- present

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

OR Prioritization Committee, 1997- 1998
Process Improvement Council, 1997- 1998
Human Rights Committee-Ad Hoc Reviewer, 1998- 2008

University of Pittsburgh School of Medicine
Epilepsy Search Committee, 1995.
Faculty Advisory Committee, Continuing Education, 1998-2003
Division Chief for Child Neurology Search Committee, 2001.
Division Chief for Child Neurology Search Committee, 2006.
Tenured Faculty Promotions Committee, 2007- 09.

University of Pittsburgh
Faculty Assembly, 1999-2000
Faculty Senate Council, 1999-2000

Department of Neurosurgery
Director, Pediatric Neurotrauma, 1994- 2008
Director, Surgical Epilepsy, 1994- 2008
Director, Brachial Plexus and Peripheral Nerve Injury, 1995- 2008
Resident Applicant Review Committee, 1996- 2003
Marketing/ Publication Website Oversight Committee, 2000- 2007
Chair, Research Committee, 2002- 2008
Director, Walter L. Copeland Intramural Neurosurgical Research Fund, 2002- 2008
Vice Chairman, Research Division, 2003- 2008
Director, The Walter L. Copeland Neurosurgical Research Laboratory, 2003- 2008
Executive Steering Committee-2003-2008
Chair, Scientific Review Committee, 2005- 2008
Resource Development Committee, 2005- 2007
Director, Center for Injury Research and Control (CIRCL), 2008.

National/ International

American Academy of Pediatrics
Executive Committee, Member at Large, Section of Neurological Surgery, 2002- 2007
Scientific Program Committee, Section of Neurological Surgery, 2004
Liaison to Section of Injury Violence and Poisoning Prevention, 2002- 2004
Coordinator, District III, 2001- 2004

American Association of Neurological Surgeons
Registration Committee, 1998
Board of Directors, Ex Officio, 2006- 08
[Scientific Program Subcommittee](#), AANS Annual Meeting 2010-2013
Chairman, Poster Session, 2011-12

American Board of Neurological Surgery
Extramural Writing Committee, 2001- 2008

American Brain Injury Consortium
Executive Committee, 1998-2004

American College of Surgeons
Committee on Trauma, 2006- 2012
Subcommittee on Emergency Services- Pre-Hospital
Ad Hoc Committee on Outcomes
Pediatric Surgery Sub-Specialty Committee
Neurosurgery Sub-Specialty Committee
Chair, 2008- 2012

Congress of Neurological Surgeons
Past President, 2009- 2010

President, 2008- 2009
President- Elect, 2007- 2008
Vice President, 2006- 2007
Secretary, 2003- 2006
By-Laws Committee, 2000- 2007
Chairman, 2000- 2003
Executive Committee, Member-at-Large, 1999-2002
Executive Committee, Ex-Officio Member, 2002- 2003
Washington Committee:
Quality Impact Workgroup, 2005- present
Chair, Clinical Guidelines Subgroup, 2005- 2006
Co- Chair, Joint Guidelines Committee, 2006- 2008
Task Force for Neurosurgery Emergency and Acute Care 2008- Present
Job Placement Committee, 1998- 2002
Chairman, 1998- 2002
Nominations Committee, 2009- 2011
Chairman, 2010-2011
Publications Committee, 2002- 2005
Chairman, 2002- 2005
Strategic Planning Committee, 2003-present
Education Committee, 2000- 2007
Scientific Program Committee, CNS Annual Meeting, 2000- 2004
Scientific Program Committee, CNS Annual Meeting, 2000, Chairman, Luncheon Seminars
Scientific Program Committee, CNS Annual Meeting, 2001, Associate Program Chairman
Scientific Program Committee, CNS Annual Meeting, 2003, Chairman, Posters Sessions
Scientific Program Committee, CNS Annual Meeting, 2004, Co-Chair, General Scientific Session II
Information and Technology Committee 2003- 2010
Web Editorial Board 2003- 2010
Ad Hoc Liaison Committee on Think First, 1999-2003
Chairman, 1999- 2003
CNS Delegate to Council of State Neurosurgical Societies, 1998-2001
Host Committee, 1995
Joint Outcomes Committee, 1997- 2000
Registration Committee, 1994, 1997
Chairman, 1997
Sergeant at Arms Committee, 1994-1996

Council of State Neurosurgical Societies (CSNS)

Neurotrauma Committee, 1998-2000
Reimbursement and Methodologies Committee, 1998-2000
Young Physicians Committee, 1998-2001
Ad hoc Committee on Resident Involvement, 1998-2000
Ad hoc Committee on Resident Participation in the CSNS, 1998-2000

International Neurotrauma Society

Scientific Program Committee, 2002-2004, 2008- 09

Joint Section on Neurotrauma and Critical Care of the American Association of Neurological Surgeons and

Congress of Neurological Surgeons, (AANS/CNS)
Past Chair, 2008- 2010
Chair, 2006- 2008
Chair- Elect, 2004- 2006
Secretary/ Treasurer, 2002- 2004
Editor, Section Newsletter, 2002- 2004
Member-at-Large, Executive Committee, 1998-2000
Chairman, Pediatric Neurotrauma Committee, 1997- 2002
Ad Hoc Committee for the *Guidelines For Education Initiative On Shaken Impact Syndrome In Children*, 1998- 2002
Ad Hoc Committee for the *Guidelines For Severe Head Injury In Children*, 1995- 2003
Chair, Committee for Guidelines for Severe TBI in Children, 2001- 2003.

P. David Adelson, MD, FACS, FAAP
Curriculum Vitae

Co- Chair, Section Scientific Program Committee, 1996-1997
Liaison to the Neurotrauma Committee of the Council of State Neurosurgical Societies, 1997-2000
Sub-Committees on Pediatric Neurotrauma, Critical Care, and Sports Medicine, 1996-2004
Liaison, Outcomes Committee of the Joint Section on Assessment of Quality, 1997- 2001
External Reviewer for the *Guidelines for Cervical Spine and Vertebral Column Injury*, 2001
Abstract Reviewer, CNS Annual Meeting, 2002, 2003
Nominations Committee, 2008- 2010

National Neurotrauma Society

Scientific Program Committee, 2001- 2002, 2004- 2010
Associate Chair, Joint National Neurotrauma Society Symposium with AANS/ CNS Section of
Neurotrauma and Critical Care, Orlando, FL, 2008.
Councillor, 2005- 2008

National Trauma Institute

Board of Directors (Charter Member), 2008- Present

Neuropoint Alliance (NPA), LLC

Board of Directors (Charter Member), 2009- Present

Think First/ National Injury Prevention Foundation

Board of Directors, 1999- 2003
Executive Committee, 2000- 2003
Chairman, Resource Development Committee, 2000- 2003
Program Advisory Committee, 2000

World Federation of Neurosurgical Societies

Vice Chair, Committee for International Initiatives, 2010- Present
Alternate Delegate (CNS), WFNS Interim Meeting, Recife, Brazil, 2011
Nominating Committee, 2012

Medical/ Scientific Advisory Boards

Epilepsy Foundation of Western Pennsylvania, 1995- 2008
Brain Injury Association of Western Pennsylvania, 1997- 2008
Leon Bender Foundation (Epilepsy), 2001- 2003
National Trauma Registry for Children, 2002- 2005
Stayhealthy.com, 2000 – 2002
Utilization Management Committee, Best Health Care of Western Pennsylvania, 1996-1998
Vector Medical Technology, 2000 – 2003
Injury Free Coalition for Kids (Pittsburgh), 2000- 2008
Think First (Pittsburgh) Sponsor, 2000- 2008
Traumatec Inc., 2008- Present
Sarah Jane Brain Foundation, 2009- Present
The Hemi Foundation, 2009- Present
World Science, 2011- Present