

P. David Adelson, MD, FACS, FAAP

Director, BARROW Neurological Institute at Phoenix Children's

Dr. P. David Adelson is the Director of Barrow Neurological Institute at Phoenix Children's Hospital, the Diane and Bruce Halle Endowed Chair for Pediatric Neurosciences in Phoenix, AZ and the Chief of Pediatric Neurosurgery/ Children's Neurosciences at Phoenix Children's Hospital. He is an Adjunct Professor in the School of Biological and Health Systems Engineering at Arizona State University and a Clinical Professor at the University of Arizona - College of Medicine-Phoenix.



Dr. Adelson was previously the A. Leland Albright Professor of Neurosurgery/ Pediatric Neurosurgery and Vice Chairman for Research for the Department of Neurological Surgery at the University of Pittsburgh and Children's Hospital of Pittsburgh prior to moving to Phoenix in 2009. Dr. Adelson received his BA then MD from Columbia University and completed his neurosurgical residency at UCLA in 1993. Following his residency, he entered the fellowship in pediatric neurosurgery at the Children's Hospital of Boston and Harvard Medical School, finishing in 1994 prior to joining the faculty in Pittsburgh.

Dr. Adelson is a nationally and internationally recognized expert in the area of pediatric brain, spine/ spinal cord, and peripheral nerve injury, in particular the acute clinical management of traumatically brain injured children as well as neural recovery and plasticity of the developing brain following injury. His other clinical specialties include pediatric epilepsy surgery, brachial plexus and peripheral nerve, neurovascular, Chiari malformations and syringomyelia, and brain tumors. He continues to run an active basic science laboratory in neuro plasticity along with brain machine interface. Additionally, Dr. Adelson has been active in clinical research including the NIH Funded Pediatric Traumatic Brain Injury Consortium through both Phase II and Phase III clinical trials on hypothermia following severe traumatic brain injury in children, and now more recently in the areas of mechanisms of epilepsy, neural recovery, neurocritical care, and neural machine interfaces.

In his time in Phoenix, Dr. Adelson began a Children's Neuroscience Institute that eventually allied with St. Joseph's Hospital. He assumed leadership of Barrow Neurological Institute at Phoenix Children's Hospital that has become one of the top pediatric neuroscience programs in the country. He has been the recipient of multiple awards, including The Best Doctors in America (Top 1%), Surgeon of the Year (Phoenix), and Congress of Neurological Surgeons Clinical Investigation Award, to name but a few. His research has resulted in his authoring more than 175 publications in refereed journals, 36 book chapters and he has edited 8 books including the well regarded "Principles and Practice of Pediatric Neurosurgery," the authoritative textbook in the field of pediatric neurosurgery, now in its 3rd Edition.

About Phoenix Children's Hospital

Phoenix Children's Hospital is Arizona's only children's hospital recognized by U.S. News & World Report's Best Children's Hospitals with rankings in all ten specialties. Phoenix Children's provides world-class inpatient, outpatient, trauma, emergency and urgent care to children and families in Arizona and throughout the Southwest. As one of the largest children's hospitals in the country, Phoenix Children's provides care across more than 75 pediatric specialties. The Hospital is poised for continued growth in quality patient care, research and medical education. For more information about the hospital, visit <http://www.phoenixchildrens.org>.

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