

Neurosurgery

Staff Physicians and Faculty



Corey Raffel, MD, PhD, Chief

Edward J. Kosnik, MD, FACS, FAAP

The Division of Pediatric Neurosurgery at Nationwide Children's Hospital provides evaluation and treatment for problems of the central nervous system to patients from birth to 21 years of age and to selected adults with congenital neurological disorders. The staff works closely with members of the departments of Anesthesia, Neurology, Physical Medicine and Rehabilitation, Pediatric Surgery and many others. Conditions treated include Chiari malformations, brain and spine tumors, congenital abnormalities, craniostenosis and craniofacial abnormalities, hydrocephalus, neurological trauma, neurological birth defects, spina bifida, spinal disorders, surgical treatment of epilepsy including vagal nerve stimulators, and the surgical treatment of spasticity.

Clinical, Teaching and Research Interests

Corey Raffel, MD, PhD, is Chief of Neurosurgery at Nationwide Children's Hospital and Professor and Vice Chair in the Department of Neurological Surgery at The Ohio State University College of Medicine. He came to Nationwide Children's in 2007 and brings more than 20 years of experience in the field of pediatric neurosurgery. Dr. Raffel graduated from Harvard University and attended the University of California – San Diego where he received his medical degree and a PhD in biology. He completed his general surgery internship and neurosurgery residency at the University of California – San Francisco and did a fellowship in pediatric neurosurgery at the Hospital for Sick Children in Toronto. Dr. Raffel has a special interest in brain tumors and in the surgical treatment of epilepsy. His research interests include tumor suppressor genes and oncogenes in medulloblastoma, tumor stem cells in medulloblastoma, and oncolytic viral therapy for pediatric brain tumors. Dr. Raffel has written more than 80 papers about his research and clinical pediatric neurosurgery. In addition, he is a member of the Academy of Neurological Surgeons, the Society of Neurological Surgeons and the American Society of Pediatric Neurosurgeons. He is certified by the American Board of Neurological Surgery and the American Board of Pediatric Neurological Surgery.

Edward J. Kosnik, MD, FACS, FAAP, is Associate Medical Director of the Department of Surgery and former Chief of Neurosurgery at Nationwide

Children's Hospital and a Clinical Professor of Surgery at The Ohio State University College of Medicine. Dr. Kosnik practices both adult and pediatric neurosurgery. His special interests are in the treatment of pediatric brain tumors, hydrocephalus, craniostenosis and various other congenital abnormalities, and spasticity. Dr. Kosnik obtained his Bachelor of Science degree from Loyola College in Baltimore, Maryland, and his medical degree from the University of Maryland School of Medicine, where he graduated cum laude. He completed his surgical internship at the Columbia-Presbyterian Medical Center in New York City and participated in a neurological residency at New York University's Bellevue Medical Center. His neurosurgical residency took place at the Ohio State University Medical Center, Nationwide Children's Hospital and Riverside Methodist Hospital. Dr. Kosnik has authored many papers on neurology and neurosurgery including spinal cord defects, brain and spinal cord injuries and tumors and surgical techniques. He is a fellow of the American College of Surgeons and the American Academy of Pediatrics. He is certified by the American Board of Neurological Surgery and the American Board of Pediatric Neurological Surgery. He is a member of the Nationwide Children's Hospital Foundation Board of Trustees.

Research Funding (Over \$50,000)

Corey Raffel, MD, PhD

Measles Virotherapy for Glioblastoma Multiforme, National Institutes of Health

Publications

Amador N, Scheithauer BW, Giannini C, Raffel C. Acute cerebellitis presenting as tumor. Report of two cases. *Journal of Neurosurgery* 107(1 Suppl): 57-61, July 2007.

Kalina P, Morris J, Raffel C. Spinal epidural hematoma in an infant as the initial presentation of severe hemophilia. *Emergency Radiology*, 2007.

White JB, Raffel C, Balckwell RE. A case of infertility in a patient with a ventriculoperitoneal shunt. *Pediatric Neurosurgery* 43(2): 146-8, 2007.

Awards and Honors

Corey Raffel, MD, PhD

Listed, Best Doctors in America

Listed, Who's Who in America

Edward J. Kosnik, MD, FACS, FAAP

2007 Ohio Neurosurgeon of the Year

Fast Facts

Inpatient Discharges: 629

Observation Discharges: 144

Total Discharges: 773

Average Length of Stay*: 5.4

Average Daily Census*: 9.3

Patient Days*: 3,382

Total Surgical Procedures: 658

Neurosurgery Clinic Visits: 7,453

*Excludes observation patients