Neurosurgery

Division Data Summary

Research and Training Details

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<tbody>
<tr>
<td>Number of Faculty</td>
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<tr>
<td>Direct Annual Grant Support</td>
<td>$55,000</td>
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<td>Peer Reviewed Publications</td>
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Clinical Activities and Training

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<tr>
<td>Number of Clinical Fellows</td>
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<td>Outpatient Encounters</td>
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Faculty Members

Kerry R. Crone, MD,  Professor;  Director of Clinical Affairs and Graduate Education in Pediatric Neurosurgery; Director, Pediatric Neurosurgery

Karin S. Bierbrauer, MD,  Associate Professor

Francesco T. Mangano, DO,  Assistant Professor

Todd Maugans, MD,  Assistant Professor Clinical

Trainees

- Lynn Serrano, MD,  2007,  Philadelphia College of Osteopathic Medicine

Significant Accomplishments in FY08

Surgical Epilepsy Program

The Surgical Epilepsy Program was implemented in 2008. This is a comprehensive initiative between Neurosurgery, Neurology, Nursing and Hospital Leadership. Under the direction of Dr. Tracy Glauser, Dr. Ki Lee, and Dr. Francesco Mangano, the Epilepsy Surgical Program is focused on improving the outcomes for Epilepsy surgery.
Hydrocephalus Research
Dr. Francesco Mangano and Dr. Wei Hong are working collaborative on the study of Hydrocephalus in the animal model. They are working on submitting a NIH application for this research.

Chiarii Malformation Research
Dr. Kerry Crone has a focus in the area of Chiarii Malformation. The plan is to create a foundation for patients. The goal is to meet the demand and to generate public awareness, attract and develop both professional and volunteer resources while raising funds necessary to accelerate our programs and achieve goals.

Division Highlights
Dr. Karin Bierbrauer
Dr. Karin Bierbrauer is involved in the "Cool Kids" Project which involves the study of brain trauma and the effects of hypothermia on the injury. Dr. Bierbrauer is working collaboratively with the University of Pittsburgh and Dr. Hector Wong, Critical Care Medicine on this project.

Dr. Kerry Crone
Dr. Crone has earned an international reputation for excellence inn pediatric neurosurgery and is recognized as a world leader in the development of endoscopic neurosurgery. His special interests include endoscopic management of complex hydrocephalus, SMART surgery for resection of brain tumors, surgical management of Chiarii Malformation, and cranial reconstructive surgery for craniosynotosis.

Dr. Francesco Mangano
Dr. Mangano will be working collaboratively with Dr. Glauser on improving outcomes for Epilepsy Surgery. Dr. Mangano was a clinical fellow in pediatric neurosurgery at the St. Louis Children's Hospital in St. Louis, MO. He is a member of the American College of Osteopathic Surgeons, Neurological Surgery Section, and the Ohio Osteopathic Association. His special interests include complex spinal surgery, epilepsy surgery, cerebrovascular surgery, craniofacial surgery, neuro-oncology, and neuroendoscopy.

Dr. Todd Maugans
Dr. Maugan is focused on improving outcomes on Spinabifida patients. He has an interest in craniofacial surgery and spinabifida.

Division Collaboration
Collaboration with Neurology
Collaborating Faculty: Dr. Tracy Glauser
The division collaborates with Neurology in the Surgical Epilepsy Program.

Division Publications

Grants, Contracts, and Industry Agreements
Grant and Contract Awards
Bierbrauer, K
Cool Kids Trial
National Institutes of Health (University of Pittsburgh)
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<th>Description</th>
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