

Pediatric Physical Medicine and Rehabilitation

Division Photo



First Row: D. Pruitt, L. Michaud, J. Vargus-Adams; Second Row: M. McMahon, D. Kinnett, S. Wade.

Division Data Summary

Research and Training Details		
Number of Faculty		
Number of Support Personnel	10	
Direct Annual Grant Support	\$897,331	
Peer Reviewed Publications		
Clinical Activities and Training		
Number of Clinical Staff		
Number of Clinical Fellows	2	
Inpatient Encounters	2,306	
Outpatient Encounters	3,865	

Faculty Members

Linda Michaud, MD, Associate Professor ; Division Director; Aaron W. Perlman Professor; Co-Director, Cincinnati Children's Brachial Plexus Center

Douglas Kinnett, MD, Associate Professor ; Director, Spasticity Management Program; Clinical Director, Cerebral Palsy Center

Mary McMahon, MD, Associate Professor Clinical; Director, Residency Training Program, UC Dept. of PM&R; Director, Medical Student Education, UC Dept. of PM&R

David Pruitt, MD, Assistant Professor ; Director, A4Rehab ; Director, Pediatric Rehabilitation Medicine Fellowship

Jilda Vargus-Adams, MD, Assistant Professor ; Research Director, Cerebral Pasly Center

Shari Wade, PhD, Research Professor ; Director of Research

Clinical Staff Members

• Lainie Holman, MD

Trainees

- Glendaliz Bosques, MD, PGY-6, Baylor College of Medicine/University of Texas Houston
- Brad Kurowski, MD, PGY-5, Unibversity of Pittsburgh
- Micah Baird, MD, PGY-5, Wright State University
- Matthew Mayer, MD, PGY-4, University of Cincinnati
- Phoebe Scott-Wyard, DO, PGY-3, Western University of Health Sciences
- Tobias Tsai, MD, PGY-3, Johns Hopkins University
- Kimberly Hartman, MD, PGY-2, Wayne State University
- Danielle Webster, MD, PGY-1, University of Missouri, Kansas City

Significant Accomplishments

The Traumatic Brain Injury Research Program

The traumatic brain injury research program in the division of PM&R received both national and international recognition in 2009. Dr. Shari Wade, Director of Research in the Division, was part of an international team of researchers, clinicians, and advocates that drafted a national plan for Pediatric Acquired Brain Injury. This Plan proposed an integrated network of statewide centers to provide "a seamless, standardized, evidenced-based system of care universally accessible for all individuals and their families". Dr. Wade successfully applied for CCHMC to be the Lead Center for the State of Ohio and the Midwest regional leader for rehabilitation and long-term follow-up. At an international level, Dr. Wade was the invited keynote speaker at the annual meeting of the Australian Society for the Study of Brain Impairment. This presentation and related workshop afforded an opportunity to disseminate the innovative model of online intervention to address the psychosocial consequences of pediatric TBI pioneered by Dr. Wade at CCHMC to a multidisciplinary group of clinicians and researchers from Australia and New Zealand. The 2009-2010 year also promises to be an important one for the TBI research program with the initiation of a 5-year competing continuation project to examine the long-term functional outcomes of early TBI.

Cerebral Palsy Center

Another current highlight in the Division of Pediatric Rehabilitation is leading the development of a new Cerebral Palsy Center. In the past year, the Perlman Center has aligned with the Division, as it integrated with CCHMC. The Division has also assumed leadership for the Cerebral Palsy Clinic. Both the Perlman Center and the prior CP Clinic are components of the new CP Center, along with existing clinical research related to CP in the Division and in OT/PT. Division members including Drs. Doug Kinnett (as Clinical Director of the CP Center) and Jilda Vargus-Adams (as Research Director of the CP Center) are working with others to "reinvent" services for children and youth with CP and their families through the Disease Specific Innovations and Outcomes (DSIO) Project at CCHMC, beginning formally with this process in July 2009. Over the next two to five years, this group will meet its mission to develop a comprehensive health care delivery system providing the best possible care while seeking out and applying new discoveries through research, knowledge, and compassion for improving the quality of life of children with cerebral palsy. Immediate goals include the development of processes, infrastructure, and human resources that deliver optimal care, maximize quality of life, facilitate research and ensure an atmosphere that is patient- and family-centered.

Division Publications

- 1. Gilkey SNL, Carey J, Wade SL. Families in crisis: considerations for the use of web-based treatment models in family therapy. Fam Society. 2009; 90: 37-45.
- 2. Pruitt DW, Nagarajan R. "Rehabilitation of the pediatric cancer patient." Cancer rehabilitation principles and practice. New York: Demos Medical; 2009: 855-868.
- 3. Spierre LZ, Michaud LJ, Pruitt DW, Mehlman CT. "Rehabilitation of the child with multiple injuries." Skeletal trauma in children. Philadelphia, PA: Saunders/Elsevier; 2009: 623-637.
- 4. Dickey M, Jamison L, Michaud L, Care M, Bernstein DI, Staat MA. Rotavirus meningoencephalitis in a previously healthy child and a review of the literature. Pediatr Infect Dis J. 2009; 28: 318-21.
- 5. Wade SL, Walz NC, Carey JC, Williams KM. Brief report: Description of feasibility and satisfaction findings from an innovative online family problem-solving intervention for adolescents following traumatic brain injury. J Pediatr Psychol. 2009; 34: 517-22.
- 6. Vargus-Adams J. Quality of life for adolescents with cerebral palsy: perspectives of adolescents and parents. Dev Med Child Neurol. 2009; 51: 169-70.
- 7. Fay TB, Yeates KO, Wade SL, Drotar D, Stancin T, Taylor HG. Predicting longitudinal patterns of functional deficits in children with traumatic brain injury. Neuropsychology. 2009; 23: 271-82.
- 8. Gfroerer SD, Wade SL, Wu M. Parent perceptions of school-based support for students with traumatic brain injuries . Brain Inj. 2008; 22: 649-56.
- 9. Stancin T, Wade SL, Walz NC, Yeates KO, Taylor HG. Traumatic brain injuries in early childhood: initial impact on the family. J Dev Behav Pediatr. 2008; 29: 253-61.
- 10. Vargus-Adams JN. Inconsistencies with physical functioning and the child health guestionnaire in children with cerebral palsy. J Pediatr. 2008; 153: 199-202, 202 e1.
- 11. Josie KL, Peterson CC, Burant C, Drotar D, Stancin T, Wade SL, Yeates K, Taylor HG. Predicting family burden following childhood traumatic brain injury: a cumulative risk approach. J Head Trauma Rehabil. 2008; 23: 357-68.
- 12. Wade SL, Walz NC, Carey JC, Williams KM. Preliminary efficacy of a Web-based family problem-solving treatment program for adolescents with traumatic brain injury. J Head Trauma Rehabil. 2008; 23: 369-77.
- 13. Taylor HG, Swartwout MD, Yeates KO, Walz NC, Stancin T, Wade SL. Traumatic brain injury in young children: postacute effects on cognitive and school readiness skills. J Int Neuropsychol Soc. 2008; 14: 734-45.

Grant and Contract Awards		Annual Direct / Project Period Direct
VARGUS-ADAMS, J		
Minimal Clinically Important Difference United Cerebral Palsy Research and Edu	es in Cerebral Palsy cation Foundation	
	07/01/06 - 06/30/09	\$68,182 / \$204,545
Towards Improved Clinical Trials In Ce National Institutes of Health	erebral Palsy	
K23 HD 049552	09/30/06 - 08/31/11	\$118,000 / \$590,000
Use of Oral Baclofen for Treatment of National Institutes of Health (Washington	Spasticity of CP University)	
HHSN267200603421C	07/01/08 - 06/30/11	\$30,469 / \$91,407
WADE, S		
A Trial of Online Problem Solving for National Institutes of Health	Pediatric TBI	
R01 MH 073764	08/01/06 - 07/31/11	\$508,839 / \$2,531,795
Web Therapy to Improve Outcomes af US Department of Education	ter Traumatic Brain Injur	y in Young Children
H133G060167-03	12/01/06 - 11/30/09	\$97,841 / \$295,983
Neural Substrates of Executive Function Ohio Department of Public Safety	ons in Adolescent TBI	
10501	07/01/08 - 06/30/09	\$74,000 / \$74,000

Contracto and Inductory Agreements

Total \$897,331