

Colleen A. Wunderlich, M.D., MSc

PERSONAL INFORMATION

Office Address:

Levine Children's Hospital
4th Floor, Pediatric Rehabilitation Pavilion

Mailing Address:

Carolinas Rehabilitation
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EDUCATION

M.D. - St. George's University School of Medicine, May 2000
MSc - St. George's University School of Medicine, June 1998
Postbaccalaureate Study - University of Colorado, Colorado Springs, 1992- 1995
B.A., General Arts & Sciences - Pennsylvania State University, May 1989
Minor, Chinese Language - Pennsylvania State University, May 1989
Exchange Program - National Taiwan University, Fall Semester 1987

TRAINING

Pediatric Rehabilitation Fellow - Virginia Commonwealth University/ Medical College of Virginia Campus & Children's Hospital of Richmond, Richmond, VA. (Jul 05 – Jun 07)

Virginia Leadership Education in Neurodevelopmental Disabilities (Va-LEND) Trainee – Supported by a Dep't of Health & Human Services grant. (Jul 05 – Jun 07)

Chief Resident, Physical Medicine and Rehabilitation - University of Minnesota, Minneapolis, MN. (Sep 03 – Sep 04)

Resident, Physical Medicine and Rehabilitation - University of Minnesota, Minneapolis, MN. (Jan 02 - Jun 05)

PGY-1 (2) in Internal Medicine/Paediatrics Residency - Overlook Hospital, Summit, NJ (Jul 00 - Dec 01)

LICENSURE/CERTIFICATIONS

State of Minnesota Medical License: 2003 – Current
State of Virginia Medical License: 2005 – Current
State of North Carolina: 2007 - Current
Board Certification in Physical Medicine and Rehabilitation: August 2007
Board Certification in Pediatric Rehabilitation: November 2007

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CLINICAL EMPLOYMENT

August 2007 - current: Pediatric Rehabilitation Physician
Levine Children's Hospital and Carolinas Rehabilitation; Charlotte, NC

Publications

- Wunderlich CA, Pariseau C, Willis JH, Reddy M, and Bodurtha J. November 2007. The role of pediatric Physical Medicine and Rehabilitation in the national Leadership Education in Neurodevelopmental Disabilities (LEND) Program: the Virginia experience. *Journal of Pediatric Rehabilitation Medicine: An Interdisciplinary Approach*. 1(1):37-45.
- Wunderlich CA, Monasterio EA, Sharps C, Massiello G, and Wesdock, KA. A Pilot Study to Determine the Effect of Botulinum Toxin A Injections on Anterior Pelvic Tilt in Children with Spastic Diplegic Cerebral Palsy. Poster presentation at the Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, 9 September 2007, Boston, MA.
- Wunderlich, C.A. and Krach, L.E. June 2006. Gram negative meningitis and infection in individuals treated with intrathecal baclofen for spasticity: a retrospective review. *Developmental Medicine & Child Neurology*. 48:450-455.
- Wunderlich, C.A. and Neufeld, J.A. Mar 2006. The Genetics of Neuromuscular Diseases in Children". Oral Presentation given at the Annual Meeting of the Association for Academic Physiatrists, 4 March 2006, Daytona Beach, FL.
- Wunderlich, C.A., Merrell, C. and Neufeld, J.A. Epididymitis in an adolescent with spinal cord injury: a case report. Poster presentation at the Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Nov. 2006, Honolulu, HI.
- Neufeld, C.A., Willis, J.A. and Wunderlich, C.A. A Novel Way to Incorporate Comprehensive Interdisciplinary Training in Pediatric Physical Medicine and Rehabilitation Fellowship. Poster presentation given at the Annual Meeting of the Association for Academic Physiatrists, 4 March 2006, Daytona Beach, FL.
- Wunderlich, C.A. and Krach, L.E. Sep. 2004. Gram negative meningitis and infection in individuals treated with intrathecal baclofen for spasticity: a case series. Oral presentation given at the 2004 Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, 30 Sep. 2004, Los Angeles, CA.
- Coetzee, M., Estrada-Franco, J.G., Wunderlich, C.A. and Hunt, R.H. 1999. Cytogenetic evidence for a species complex within the *Anopheles pseudopunctipennis* Theobald (Diptera: Culicidae). *American Journal of Tropical Medicine and Hygiene*. 60: 649 - 653.
- Wunderlich, C.A. 1998. Malaria vectors of Grenada, West Indies: A site receptivity study determining the threat of reintroduction and re-establishment of malaria into Grenada through the study of anopheline mosquito vectors. *MD/MSc Thesis*. St. George's University School of Medicine, April 1998.
- Wunderlich, C.A. and Macpherson, C.N.L. 1998. A site receptivity study to determine the threat of reintroduction and re-establishment of malaria in Grenada. *Oral Presentation by Wunderlich, C.A. at the 43rd Commonwealth Caribbean Medical Research Council Scientific Meeting*. Ocho Rios, Jamaica. April 23 - 25, 1998.

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Estrada-Franco, J.G., Coetzee, M., Hunt, R.H., Subbarao, S., Wunderlich, C.A., and Laughinhouse, A. 1998. Cytogenetic studies of populations of *An. pseudopunctipennis* from neotropical America. *Oral Presentation* by Estrada-Franco, J.G. at the Annual Meeting of the Mosquito Control Association. Reno, Nevada. March 1998.

Publications (cont.)

Coetzee, M., Estrada-Franco, J.G., Wunderlich, C.A., and Hunt, R.H. 1998. *Anopheles pseudopunctipennis* is a species complex. *Oral Presentation* by Coetzee, M. at the International Dipterology Congress. Oxford University, United Kingdom. September 1998.

Macpherson, C.N.L. and Wunderlich, C.A. 1998. Instruction and Information Manual for Evaluators of the Malaria Surveillance Program in Grenada, West Indies. *Unpublished Manual*. Windward Islands Research & Education Foundation, Grenada. April 1998.

RESEARCH – Completed

University of Colorado, Colorado Springs. 1995. *Graduate Studies*. Initiated research project to determine a spectrum-fluorescent respiratory mutant gene in the ubiquitous fungus, *Aspergillus niger*. Established protocols for preliminary stages of project.

Hip Flexor Spasticity in Children: Scholarship to Advance Research in Spasticity Management (STARS) Grant \$6000.00. Am co-PI on this pilot study to determine the effectiveness of botulinum toxin A intramuscular injections to the iliopsoas muscles to improve anterior pelvic tilt in children with spastic diplegic cerebral palsy. Both physical exam measurements and focused, computerized gait analysis used to document the degrees of anterior pelvic tilt. Results to be disseminated in poster format at Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Sep. 2007, Boston, MA

Genetic Determinants of Cerebral Palsy Severity: Supplemental Grant to NIH Grant #5 R24 HD039631-05 (Blackman) 09/2000 – 6/2007 (HIH/NCMRR) Enhancing Rehabilitation Research in the South (ERRIS). Joint venture between Children's Hospital of Richmond/MCV/VCUHS and Kluge Children's Rehabilitation and Research Center, University of Virginia (Primary Site) examining the association of the apolipoprotein E and interleukin-6 promoter genes with severity of cerebral palsy. Assisted in subject enrollment, sample collection, and data collection. Future data and outcome analysis, manuscript preparation, and dissemination of results planned.

HONORS/AWARDS

Research Scientist, Windward Islands Research and Education Foundation (WINDREF)
Teaching Assistant for Immunology, Parasitology, and Epidemiology Courses
Advanced Paediatric Life Support, Certificate of Attendance, Staffordshire, UK
U.S. Army R.O.T.C. Scholarship, Pennsylvania State University
Meritorious Service Medal and Other U.S. Military Awards/Honors
Scabbard and Blade Honor Society (Military Academic Honor Society)

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LANGUAGES

Conversational Elementary French and Mandarin Chinese

PROFESSIONAL MEMBERSHIPS

American Academy of Physical Medicine and Rehabilitation
Association of Academic Physiatrists
American Academy of Cerebral Palsy and Developmental Medicine

Committee Experience

Carolinas Rehabilitation Staff Physician Applicant Committee, Sep 07 - present

Carolinas Rehabilitation Resident Applicant Committee, Sep 07 - present

Pediatric Trauma Outcomes Committee, Carolinas Healthcare System, Sep 07 – present

Resident Member, Admissions Committee, University of Minnesota Department of Physical Medicine & Rehabilitation, Fall 2003 – Spring 2005

Resident Member, Admissions Committee, Overlook Hospital, Dep't of Combined Internal Medicine/Pediatrics, Fall 2001.

Peer Review Committee Experience

Reviewer, Journal of Pediatric Rehabilitation Medicine, Jan 08 - present

Other Conference Presentations

Case Manger & Social Worker Continuing Education, Carolinas Healthcare System. The Role of Pediatric Rehabilitation. 23 April 2008.

Muscular Dystrophy Association Conference, The Clinical Treatment of Duchenne's Muscular Dystrophy, Rowan Cabarrus Community College, 9 February 2007.

PM&R Didactics, Carolinas Rehabilitation, Cerebral Palsy, 2007.

PM&R Didactics, Carolinas Rehabilitation, Differences Between Pediatric and Adult TBI and SCI, 2007

Web-based contribution, www.Disaboom.com. Muscular Dystrophies, November 2007.

PM&R Didactics, Medical College of Virginia (MCV)/Virginia Commonwealth University Health System (VCUHS), the EMG of Myopathies and Neuromuscular Junction Disorders, April 2007.

PM&R Grand Rounds, MCV/Virginia Commonwealth University, APO E and Cerebral Palsy: Is There a Link?, March 2007.

Virginia Leadership Education in Neurodevelopmental Disabilities, Neurodevelopmental Disabilities Graduate

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Course IDDS 691, An Overview of Cerebral Palsy and Mental Retardation., February 2007.

Other Conference Presentations (Cont.)

PM&R Grand Rounds, Carolinas Rehabilitation, Genetics of Neuromuscular Diseases in Children, January 2007

PM&R Grand Rounds, University of Michigan, Genetics of Neuromuscular Diseases in Children, November 2006.

Continuing Education Series, Adult Rehabilitation Nursing Staff, MCV/VCUHS, The Emotional and Developmental Aspects of Pediatric Spinal Cord Injury, September 2006.

Pediatric Rehabilitation Rounds, Upper Extremity Amputations, Children's Hospital, June 2006.

PM&R Grand Rounds, MCV/VCUHS, Sickle Cell Anemia, May 2006.

MCV/VCUHS Medical Student II Musculoskeletal Review, May 2006.

Pediatric Rehabilitation Rounds, Children's Hospital, Sickle Cell Anemia, April 2006.

Virginia LEND Poster Fair, Epididymitis, March 2006.

Academic Association of Physiatrists, Lecture Course B, Genetics of Neuromuscular Diseases in Children, February 2006.

Continuing Education Series, Nursing Staff, Children's Hospital, Transverse Myelitis, February 2006.

Pediatric Rehabilitation Rounds, Children's Hospital, Demyelinating Diseases in Children, January 2006.

PM&R Didactics, MXCV/VCUHS, Poliomyelitis, December 2005.

Pediatric Rehabilitation Rounds, Children's Hospital, Poliomyelitis, December 2005.

Pediatric Rehabilitation Rounds, Children's Hospital, Arthrogyrosis, November 2005.

Pediatric Rehabilitation Rounds, Spinal Muscular Atrophy, Children's Hospital, October, 2005

Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, Free Paper session, Gram negative meningitis and infection in individuals treated with intrathecal baclofen for spasticity: a case series. September 2004

PM&R Grand Rounds, Gram Negative Infections in ITB therapy, Univ. of MN, August 2004

Gillette Children's Research Committee, Gram Negative Infections in ITB therapy, Gillette Children's Specialty Healthcare, July 2004

PM&R Grand Rounds, Pain in the Buttocks (Piriformis Syndrome) Univ. of MN, February 2004

PM&R Grand Rounds, Weakness in the ICU (AQM/CIM) Univ. of MN, May 2003

43rd Commonwealth Caribbean Medical Research Council Scientific Meeting, Malaria Vectors, April 1998

REFERENCES

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Available Upon Request