

Cerebral Palsy

BUILDING THE ROAD TO INDEPENDENCE

A Novel Approach to Cerebral Palsy for Caregivers and Parents of Children with Cerebral Palsy

July 21-23, 2005

Eric P. Newman Education Center
Washington University Medical Center, St. Louis

Course Co-Chairs

Janice E. Brunstrom, M.D.
Michael J. Noetzel, M.D.

Presented By

The Pediatric Neurology Cerebral Palsy Center
at St. Louis Children's Hospital
and Washington University School of Medicine

Sponsored By

Washington University School of Medicine
Continuing Medical Education

COURSE OBJECTIVES

This course is designed to reach physicians and health care practitioners from a wide variety of backgrounds including neurologists, pediatricians, family practitioners, physical medicine specialists, orthopaedic surgeons, nurse practitioners, nurses, therapists (physical, occupational, speech, developmental). This course will also provide valuable information for caregivers including parents and family members of children and adults with congenital and acquired forms of cerebral palsy.

At the completion of this course the attendees should be able to:

- Define cerebral palsy, including subtypes and motor classification scores.
- State at least one cause and/or risk factor for each subtype of congenital and acquired cerebral palsy.
- Define hypertonia, spasticity, dystonia and understand the role of oral medications versus surgical procedures (orthopedic, selective dorsal rhizotomy, intrathecal baclofen pump) in the management of patients with spasticity, dystonia or a combination.
- Consider the role of the physical, occupational and speech therapist and all their tools and assistive technology in promoting independence for young people with cerebral palsy.
- Differentiate between physical fitness and physical therapy and the roles of the therapist, patient and parent in each.
- Summarize the role of quantitative assessments and clinical research in advancing the treatment of patients with cerebral palsy.
- Describe the associated impairments in cerebral palsy and list evaluations and interventions to improve each impairment.
- Provide an overview of the comprehensive approach for evaluation and management of the child with cerebral palsy that will allow these children and their families to set and attain goals to achieve their maximum potential (educational, physical and social) in life.

ACCREDITATION

Washington University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT

Washington University designates this educational activity for a maximum of **16.5** hours in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Disclosure Policy: It is the policy of Washington University School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational activities. All faculty participating in this activity are expected to disclose to the audience any significant financial interest or other relationship he/she has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation.

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE and ST. LOUIS CHILDREN'S HOSPITAL ACTIVITY FACULTY

Janice E. Brunstrom, M.D.

*Assistant Professor of Neurology, Cell Biology and Pediatrics
Director, Cerebral Palsy Center at St. Louis Children's Hospital*

Dr. Brunstrom is the founder and director of the Pediatric Neurology Cerebral Palsy Center. Her expertise is in early diagnosis and intervention of CP, development of medical and therapeutic strategies to improve outcomes in children and adolescents with CP, and therapeutic use of electrical stimulation. She founded the only martial arts program in the world exclusively designed for children and young adults with CP.

Michael J. Noetzel, M.D.

*Professor of Neurology and Pediatrics
Director, Clinical Services, Division of Pediatric Neurology, Washington University School of Medicine
Medical Director, Clinical and Diagnostic Neuroscience Services, St. Louis Children's Hospital*
Dr. Noetzel's expertise is in management of the severely impaired child, acquired cerebral palsy from traumatic or infectious causes and pharmacological treatments for spasticity.

Guest Speaker: Steven M. Casey, M.A., Licensed Marriage and Family Therapist

Sandy Arrick, R.N., Clinical Nurse Coordinator

Helen R. Brussee, RN, MSN, CPNP, Certified Pediatric Nurse Practitioner

Diane L. Damiano, Ph.D., PT, Research Associate Professor of Neurology and Physical Therapy

Mary Frances R. Daniel, OTR/L, Occupational Therapist

Courtney Dunn, PT, Physical Therapist

Rob Hails, ATS, Seating and Mobility Specialist, United Seating & Mobility, LLC

Kathy Herndon, PT, MHS, PCS, Physical Therapist

Hal Honeyman, Founder, Creative Mobility, Executive Director, Project Mobility, Cycles for Life

Paul G. Jenkins, MS, PT, Physical Therapist

Debra Lantzy, OTR/L, Occupational Therapist

Jeffrey Leonard, M.D., Assistant Professor of Neurological Surgery

Scott J. Luhmann, M.D., Assistant Professor of Orthopaedic Surgery

Kate McGinnis, OTR/L, Occupational Therapist

Jennifer Miros, MPT, Physical Therapist

Jeffrey J. Neil, M.D., Ph.D.

Allen P. & Josephine B. Green Professor of Neurology, Pediatrics and Radiology

T.S. Park, M.D., Neurosurgeon-In-Chief, St. Louis Children's Hospital, Shi H. Huang Professor of Neurosurgery, Professor of Pediatrics, Anatomy and Neurobiology

Jane Quarles, MS, CCC-SLP, Speech Therapist

Brad A. Racette, M.D., Vice Chairman of Clinical Neurology, Associate Professor of Neurology

Bradley L. Schlaggar, M.D., Ph.D.

Assistant Professor of Neurology, Pediatrics, Radiology, and Anatomy & Neurobiology

Keith M. Smith, CO, Certified and Licensed Orthotist, Practitioner and Director of Education, O&P Labs, Inc., Director for the Americal Academy of Orthotists and Prosthetists

Tara V. Spevack, Ph.D., ABPP-CN Instructor in Clinical Neurology; Pediatric Neuropsychology

K. Lui Lin Thio, M.D., Ph.D., Assistant Professor of Neurology and Pediatrics

Lawrence Tychsen, M.D.

Professor of Ophthalmology & Visual Sciences, Pediatrics, Anatomy & Neurobiology

Julie Weber, PT, Physical Therapist

Cerebral Palsy

Visit our website for other CME activities:
<http://cme.wustl.edu>

Thursday, July 21

7:15am	<i>Registration and Continental Breakfast</i>
7:55	Welcome - Michael J. Noetzel, M.D.
8:00	Dare to Believe - A Future and a Hope for Children with Cerebral Palsy - Janice E. Brunstrom, M.D.
9:00	Advanced MR Imaging of Infants at Risk for Cerebral Palsy Jeffrey J. Neil, M.D., Ph.D.
9:45	Functional Neuroimaging of Cognitive Development Bradley L. Schlaggar, M.D., Ph.D.
10:30	<i>Refreshment Break</i>
10:45	Present and Future Treatments for Epilepsy in Children with CP K. Liu Lin Thio, M.D., Ph.D.
11:30	Question and Answer Session
12:00pm	<i>Luncheon</i>
1:00	Cerebral Palsy at School Tara V. Spevack, Ph.D., ABPP-CN
1:45	The Accessible Classroom Debra Lantzy, OTR/L, & Kate McGinnis, OTR/L
2:15	Question and Answer Session
2:30	<i>Refreshment Break</i>
2:45	Communicating and Building Language with Augmentative Communication Jane Quarles, MS, CCC-SLP, & Mary Francis Daniel, OTR/L
3:15	Solving Seating, Positioning and Mobility Needs with Adaptive Equipment - Rob Hails, ATS
3:30	Freedom and Mobility Through Adaptive Cycling Hal Honeyman
3:45	Question and Answer Session
4:00	Parent Panel
4:45	<i>Closing Remarks & Adjourn</i>

Friday, July 22

7:15am	<i>Registration and Continental Breakfast</i>
7:45	Welcome - Janice E. Brunstrom, M.D.
8:00	Acquired Cerebral Palsy - Etiology and Outcome Michael J. Noetzel, M.D.
8:45	Baclofen Pump: Issues Regarding Placement and Complications Jeffrey Leonard, M.D.
9:30	Reprogramming and Refilling the Baclofen Pump Sandy Arrick, R.N.
9:45	Question and Answer Session
10:00	<i>Refreshment Break</i>
10:15	Primary Care Issues in Children with Cerebral Palsy Helen R. Brusee, RN, MSN, CPNP

Friday, July 22 (continued)

11:00	Helping Professionals and Families Successfully Manage the Emotional Challenges of Cerebral Palsy Steven M. Casey, MA
11:45	Question and Answer Session
12:00pm	<i>Luncheon</i>
1:00	Botulinum Toxin for the Treatment of Cerebral Palsy Brad A. Racette, M.D.
1:45	Shoot for the Moon After the Shots - Unique Therapeutic and Orthotic Interventions to Maximize Botulinum Toxin Therapy Courtney Dunn, PT, & Keith M. Smith, CO
2:15	Question and Answer Session
2:30	Misconceptions Regarding Vision in Children with CP Lawrence Tychsen, M.D.
3:15	<i>Refreshment Break</i>
3:30	Parent Panel
4:15	<i>Closing Remarks & Adjourn</i>

Saturday, July 23

7:45 am	<i>Registration and Continental Breakfast</i>
8:15	Welcome - Janice E. Brunstrom, M.D.
8:30	Selective Dorsal Rhizotomy as an Option for Spastic CP T.S. Park, M.D.
9:15	Orthopaedic Management of the Lower Extremities and Spine in Patients with Cerebral Palsy - Scott J. Luhmann, M.D.
10:00	State of the Science in Pediatric Physical Therapy Diane L. Damiano, Ph.D., PT
10:45	Question and Answer Session
11:00	<i>Refreshment Break</i>
11:15	Electric Stimulation Treatments for Children with CP Paul G. Jenkins, MS, PT
	The Importance of Strength Training in Children with CP Julie Weber, PT
	Taping and Wrapping Interventions for Children with CP Kathy Herndon, PT, MSN, CPNP
12:00pm	Sports: We All Can Play - Jennifer Miros, MPT
12:45	Question and Answer Session
1:00	Martial Arts Fighters With Courage and Power
1:30	Special Introduction
1:45	<i>Luncheon with Entertainment</i> Boxed Lunches available in lobby to take back in to Auditorium
3:00	<i>Adjourn</i>

GENERAL INFORMATION

Location: Eric P. Newman Education Center (EPNEC), 320 South Euclid Ave., St. Louis, MO 63110. A map will be included with the registration acknowledgment. Meeting room temperatures are difficult to regulate to everyone's preference; bringing a jacket or sweater is recommended.

Parking: THURSDAY & FRIDAY - Valet parking in front of EPNEC. **SATURDAY** - Parking for paid registrants at **North Garage** at Euclid Ave and Parkview Place. Due to construction, access Euclid from Forest Park Parkway. Please bring your ticket to the registration desk for validation. **Validation for other medical center parking is not available.**

Hotel Accommodations: A block of rooms has been reserved at The Parkway Hotel. Please make your reservations by **June 27th** and be sure to mention you are attending the **Washington University Cerebral Palsy** conference to receive the special discounted rate of **\$85.**

- **The Parkway Hotel at Washington University Medical School**
(314) 256-7777 Toll-free (866) 314-7700 (1-block walk to EPNEC)

MetroLink: The Central West End MetroLink Station is conveniently located at the medical center on Euclid Avenue, ½ block south of EPNEC. The MetroLink trip from the airport to the medical center takes approximately 20 minutes and costs \$1.50 - \$3.00 each way. Taxis are available at the airport and will cost approximately \$35 to the medical center.

Please Note: Washington University is not responsible for airline or hotel reservations. Please confirm registration acceptance prior to purchase of non-refundable or penalty airline tickets.

Registration/Payment Policy: Your full payment in advance completes your registration and ensures your enrollment in this course. If you have not received an acknowledgment within two weeks of your registration submission, please call the CME office.

Cancellations: Registration fee less \$25 administration charge is refundable if cancellation is received in writing by July 8, 2005.

Special Needs: Continuing Medical Education at Washington University School of Medicine fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations thereof. If any participant of this meeting is in need of accommodations, please do not hesitate to submit written requests at least one month prior to seminar date. Assisted listening devices available on loan.

For Further Seminar Information

Telephone 314-454-KIDS (5437)

Day of Seminar Only Telephone Number: (314) 747-6338
Callers should ask for the Washington University Cerebral Palsy Conference.

REGISTRATION IS LIMITED: PLEASE REGISTER EARLY!

ADVANCE REGISTRATION

Building the Road to Independence:

A Novel Approach to Cerebral Palsy July 21-23, 2005

To ensure proper spelling of your name, please print clearly. The information provided will appear as written on the attendance roster. If you wish not to be listed on the attendance roster, check here:

First Name _____	Initial _____	Last Name _____	Degree _____
Address _____			
City/ State/ Zip _____			
Office Telephone Number _____	Fax _____		
Specialty _____			

If you wish to receive CME announcements online, indicate your email address. _____

Medical School Graduate of: Washington University Other Year _____

REGISTRATION FEES: By July 8 After July 8

<input type="checkbox"/> Physician	\$275	\$300
<input type="checkbox"/> AHP/ Non Medical Attendee	\$225	\$250

Your full payment in advance completes your registration and ensures your enrollment in this course. Fees include enrollment, educational materials, continental breakfasts, refreshment breaks, luncheons and medical center parking.

THREE CONVENIENT WAYS TO REGISTER!

MAIL this completed form with your check payable to Washington University. CME/WUSM, Campus Box 8063, 660 South Euclid Ave., St. Louis, MO 63110

FAX this completed form with credit card information to: Fax (314) 362-1087
 MasterCard Visa Discover
Name on Card _____
Card # _____
Exp. Date _____ Signature _____

PHONE your registration to: (800) 325-9862 or (314) 362-6891 (Please have your credit card information ready.)