The 21st Annual Conference: Management Strategies for Functional Impairments in Children

Presented by

The University of Virginia Department of Orthopaedic Surgery
Division of Pediatric Orthopaedics
Motion Analysis & Motor Performance Laboratory

December 3-4, 2015
Omni, Charlottesville, VA
Goal

To provide a comprehensive update on treatments available to enhance motor function and ease disability in patients with neuromusculoskeletal conditions.

Purpose

Present and integrate multidisciplinary perspectives on the management of motor dysfunction in neuromuscular conditions and to aid health care professionals and families of children with disabilities in their roles as advisors, decision makers and caregivers.

Course Description

Health care professionals are increasingly challenged to provide treatments that are based on a strong scientific foundation. This course will describe the basic and clinical science underlying the pathophysiology of impairments and functional deficits in children with cerebral palsy and other common neuromuscular disorders. Movement patterns, motor prognosis (effect on motor development) and associated co-morbid conditions will be described as well as techniques for assessing these impairments. Cerebral palsy (CP), spina bifida, Duchenne’s muscular dystrophy and neuromuscular scoliosis as well as other similar disorders may be discussed. Nationally recognized clinicians and research scientists will present in detail the most effective current options for management of spasticity, contractures, bony deformities, and weakness for ambulatory and non-ambulatory patients. Because a cure for these conditions is mostly lacking, emphasis will also be placed on treatments such as bracing as well as adaptive equipment to enhance participation in the community. Orthopaedic surgeries will be described including spinal stabilization, bony osteotomies and muscle-tendon surgery. The risks and benefits of neurosurgical interventions, aimed at alleviating spasticity, such as intrathecal Baclofen pump infusion, selective dorsal rhizotomy and brain stimulation will be described as well as the role of less invasive therapies such as oral medications and botulinum toxin injections. Finally physical and occupational therapy treatment programs to enhance motor function and to complement surgical treatments will be presented and reviewed. Audience participation will be encouraged by ample time for questions and multiple case studies involving an interdisciplinary panel.

Educational Objectives

(17 hours) Continuing Education Units — No CME’s are awarded for attending this course

• Better understand the pathophysiology of neuromuscular conditions such as CP, spina bifida and muscular dystrophy and the impact that the pathology has on motor functional status.

• Understand range of impairments seen such as spasticity, weakness, extra-pyramidal movement disorders, mental retardation, and muscle contractures.

• Provide an update on the mechanisms and science behind prevalent treatments such as orthopaedic surgery, neurosurgery, botulinum injections, physical therapies, orthotics and mobility equipment.

• Discuss the role of 3D gait analysis, electromyography and spasticity measures in pre- and post assessments.

• Appreciate the magnitude of functional change as well as impact on community participation from different treatments in neuromuscular conditions to aid in goal setting and treatment decisions.

• Understand the complementary roles of surgery, medications, physical therapy, occupational therapy and orthotics in management of neuromuscular conditions.
Who Should Attend
This course is designed for medical professionals who care for persons with neuromuscular conditions including physical and occupational therapists and assistants, neurologists, neurosurgeons, developmental pediatricians, orthopaedic surgeons, physiatrists, orthotists and pediatric nurse practitioners. Families of children with disabilities are also encouraged to attend.

Disclosures
All faculty participating in a sponsored activity are expected to disclose to the activity audience any significant financial interest or other relationship (1) with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and (2) with any commercial supporters of the activity (significant financial interest or other relationship can include such things as grants or research support, employee, consultant, major stock holder, member of speakers bureau, etc.). The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether the speaker’s interests or relationships may influence the presentation with regard to exposition or conclusion.

Disclosure of Non-FDA uses for pharmaceutical products or medical devices: The University of Virginia School of Medicine requires that all faculty presenters identify and disclose any "off label" uses for pharmaceutical and medical device products. The University of Virginia School of Medicine recommends that each physician investigate new medical therapies fully before incorporating them into the delivery of patient care.

Accommodations
A block of rooms has been reserved for course participants at the Omni in Charlottesville, Virginia. Please call 1-800-THE-OMNI before November 4th to make your reservation. In order to receive the special rate, please inform the staff that you are attending the UVA Orthopaedic Surgery Conference “Management Strategies for Functional Impairments in Children”. A discounted rate of $139.00 + tax will be available until all rooms are booked. The Omni is located at 212 Ridge McIntire Rd, Charlottesville, VA 22903.

Parking is complimentary for overnight guests and day parking is discounted to $3 per day for attendees who are not staying at the Omni.

Registration Fees
Registration fees include CEUs, lectures, continental breakfast, refreshments, lunch and, syllabus materials for the 2-day conference. Group discounts are not available.

Registrants $395 before 11/20/15
$450 after 11/20/15

Refunds will be granted if the request is received in writing by November 15, 2015. A 15% processing fee will be charged for refunds.

Conference Coordinator: Diane Sullivan | 434-243-0281 | lds5@virginia.edu

Registration Coordinator: Rose Hemdon

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http://www.medicine.virginia.edu/clinical/departments/orthopaedics/orthodivisions/pediatrics

And click on tab for conference.

OR

Go to www.uvaortho.com

Special Needs
The 1992 American Disabilities Act requires that all individuals, regardless of their disabilities, have equal access. We are pleased to assist participants with special needs. Requests need to be made in writing by 11/15/2015.
UVA COURSE DIRECTORS

Mark F. Abel, MD
Division Head of Pediatric Orthopaedics
Professor, Orthopaedic Surgery Department
Director, Motion Analysis & Motor Performance Lab

Mark J. Romness, MD
Associate Professor of Pediatric Orthopaedic Surgery
Associate Medical Director, Motion Analysis & Motor Performance Laboratory

GUEST FACULTY

Michael Ain, MD
Associate Professor of Orthopaedic Surgery
Johns Hopkins University

Diane Damiano, PhD, PT
Tenure-track Scientist
Chief, Functional & Applied Biomechanics Section
Rehabilitation Medicine Department

Ginny Paleg, PT, DScPT, MPT
Silver Spring, MD

Scott Galey, Medical Student Scholar, NIH Medical Research Scholars Program
National Institutes of Health

UNIVERSITY OF VIRGINIA FACULTY

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Ruth A. Goldeen, OTR
Occupational Therapy

Marc Hengartner, PT
Physical Therapy

Kevin King, CPO
Certified Prosthetist and Orthotist
Prosthetics and Orthotics

Leigh Ann Lather, MD, FAAP
Assistant Professor

Christopher D. Lunsford, MD
Assistant Professor
Physical Medicine and Rehabilitation

Kelly Mahaney, MD, MS
Assistant Professor
Neurosurgery

Richard Stevenson, MD
Professor, Developmental Pediatrics
Department of Pediatrics
Management Strategies for Functional Impairments in Children
Thursday – December 3, 2015

7:00-7:45 am REGISTRATION & CONTINENTAL BREAKFAST
7:45-8:00 Intro
8:00-8:45 20 Year Trends in the Management of Pediatric Neuromuscular Conditions - Mark Abel, MD
8:45-9:30 TBA - Richard Stevenson, MD
9:30-10:00 Exhibits
10:00-10:45 Spasticity, Dystonia and Beyond - Christopher Lunsford, MD
10:45-11:30 Gait Trainers: Update From the Research - Ginny Paleg, PT, DScPT, MPT
11:30-12:15 Exhibitor Presentations
12:15-1:00 pm Lunch
1:00-1:45 Activity-Based Rehabilitation for Children with Cerebral Palsy – How Well are We Doing - Diane Damiano, Ph.D, PT
1:45-2:30 Medical Therapeutic Yoga - Ruth Goldeen, OTR
2:30-2:45 Exhibits
2:45-3:30 Strategies for Managing Patients with Lower Extremity Orthotics - Kevin King, CPO
3:30-4:00 Understanding Orthotic Function Using Gait Analysis - Mark Romness, MD
4:00-4:30 Case Study
4:30 Adjourn
5:30-6:30 Information Session @ Battle Building

Schedule and speakers as well as times are subject to change.
Friday – December 4, 2015

7:00-7:45 am  Registration & Continental Breakfast
7:45-8:00     Intro
8:00-8:45     Evaluation and Management of Patients with Skeletal Dysplasia’s - Michael Ain, MD
8:45-9:30     What's New in Pediatric Orthopedics - Leigh Ann Lather, MD
9:30-10:00    Exhibits
10:00-10:45   Neurosurgical Management of Tone - Kelly Mahaney, MD
10:45-11:30   Functional Electrical Stimulation: how can it help my child - Marc Hengartner
11:30-12:15   Past, Present and Future Treatments for Crouch Gait in CP - Scott Galey
12:15-1:00    Lunch
1:00-2:00     Live Patient Case Discussion-Panel Discussion
2:00-2:45     Atypical Tone Patterns in CP - Mark Romness, MD
2:45-3:30     Spinal Deformity in Achondroplasia - Michael Ain, MD
3:30-3:45     Exhibits
3:45-4:30     Case Studies
4:30         CLOSING REMARKS/ADJOURN

Schedule/Speakers as well as times are subjective to change.
Management Strategies for Functional Impairments in Children

December 3 & December 4, 2015
Omni, Charlottesville, Virginia

Registration Form

Name ________________________________________________________________

Address __________________________________________________________________

City, State, ZIP_________________________________________________________

Telephone _____________________________________________________________

FAX __________________________________________________________________

E-mail _________________________________________________________________

Please print clearly as your confirmation receipt will be emailed to you

May we share your email with other conference participants?  ___Yes  ___No

Specialty __________________________________________________________________

Do you require special assistance because of a disability, or have any dietary
restrictions or other special needs?
If so, please describe: ______________________________________________________

Fees

Registrants $395.00 before November 20, 2015
$450.00 after November 20, 2015

Fees are payable by check, VISA, or MasterCard. Checks should be made
payable to:  UVA/Orthopaedic Surgery

    ___VISA      ___MasterCard

Card Number ___________________________________________________________

Expiration Date _________________________________________________________

Signature ______________________________________________________________

Please send to:
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