Moving Forward in the Treatment of Pediatric Neurological Disorders

May 5 – May 7, 2014
Minneapolis Convention Center
Minneapolis, Minn.

Submit your clinical work for a poster presentation.
**Intended Audience**

The conference is intended for pediatric neurologists, pediatric neurosurgeons, pediatric rehabilitation medicine specialists, pediatric orthopedic surgeons, pediatricians, family practitioners, physical and occupational therapists, nurse practitioners, nurses, physician assistants, orthotists, and other providers who are interested in pediatric neurosciences.

**Course Description**

This course is designed to increase providers’ understanding of advances in diagnostic techniques, treatment strategies and research findings for children who have pediatric neurological disorders. The format will allow for an exchange of ideas among professionals from different disciplines who work with patients who have neurological disorders.

The first day of the conference will focus on epilepsy. Day two will focus on movement disorders, spina bifida and hydrocephalus. Day three will focus on nerve, muscle and neuromuscular conditions, brain injury, spinal cord injury and neurotrauma.

**Overall Course Objectives**

The objectives of this course are to:

- Identify current scientific advances relating to pediatric neurological disorders
- Examine research findings and clinical outcomes in pediatric neurosciences and their translation to clinical care
- Examine the clinical benefits of interdisciplinary management of children who have neurological disorders
- Examine emerging trends in the treatment of patients who have neurological disorders and injuries

**Call for Clinical Poster Submissions**

See Page 11.
Accreditation

Gillette Children’s Specialty Healthcare is accredited by the Minnesota Medical Association to provide continuing medical education (CME) for physicians. Gillette takes responsibility for the content, quality and scientific integrity of this activity.

Gillette designates this live educational activity for a maximum of 17.00 hours in AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity has been designed to meet Minnesota Board of Nursing continuing education requirements for 20.4 contact hours. Nurses are responsible for determining whether this activity meets their requirements for acceptable continuing education.

This CME-accredited activity meets the requirements of continuing education credit for physical therapists. If you have questions, please contact your state board.

On behalf of orthotists, the sponsors of this workshop have filed a request with the American Board for Certification in Orthotics, Prosthetics and Pedorthics for 17.25 hours of continuing education credit.

This activity has been submitted to the Association of periOperative Registered Nurses, Inc. (AORN) for approval to award contact hours. The Association of periOperative Registered Nurses, Inc. is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s (ANCC) Commission on Accreditation.

Activities that are approved by AORN are recognized as continuing education for registered nurses. This recognition does not imply that AORN or the ANCC Commission on Accreditation approves or endorses any product included in the presentation.

ANCC Credit for Nurses: For completion of this activity, you must sign in at the registration desk, be present no later than 10 minutes after starting time of this activity, remain until the scheduled ending time, and complete the appropriate program evaluation provided to you before you leave.
Conference Location

Minneapolis Convention Center
1301 2nd Ave. S.
Minneapolis, MN 55403

Lodging

Hyatt Regency Minneapolis
1300 Nicollet Mall
Minneapolis, MN 55403
612-370-1234

Lodging is available a short distance from the conference site. Participants must make their own hotel reservations. The group rate for hotel rooms is $179. Guests may book their reservations online at: https://resweb.passkey.com/go/Neuro2014 or by calling 888-421-1442.

Hotel conference rates end April 13, 2014 (or sooner if the room block fills). Reservation requests received after that date will be based on room availability.

Conference Information

For information on course content, call Sue Murr at 651-290-8712 or 800-719-4040 (toll-free), or email her at smurr@gillettechildrens.com. Or visit our website at www.gillettechildrens.org/neurosciences2014.

For registration information, call Mary Grimm at 651-578-5002 or 800-719-4040 (toll-free), or email her at mgrimm@gillettechildrens.com. Online registration is available at www.gillettechildrens.org/neurosciences2014.
# Agenda

**Monday, May 5, 2014**

**Focus on Neurology and Epilepsy**

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<th>Time</th>
<th>Event</th>
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<tr>
<td>12:00 – 1:00 p.m.</td>
<td>Registration, Exhibits and Poster Session</td>
</tr>
<tr>
<td>1:00 – 1:10 p.m.</td>
<td>Welcome and Introduction</td>
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</tbody>
</table>
| 1:10 – 1:50 p.m. | Neuroimmunological Disorders in Children: Advances in Diagnosis and Management  
Michael Kruer, M.D.  
Sanford Children’s Hospital |
| 1:50 – 2:30 p.m. | Risk Factors in Sudden Unexplained Death in Epilepsy (SUDEP): What Do We Tell Families?  
Beverly Wical, M.D.  
Gillette Children’s Specialty Healthcare |
| 2:30 – 3:10 p.m. | International League Against Epilepsy Seizure Classification and Epilepsy Syndromes: Why Are Changes in Terminology and Concepts Important?  
Nicole Williams, M.D.  
Gillette Children’s Specialty Healthcare |
| 3:10 – 3:35 p.m. | Afternoon Break, Exhibits and Poster Session                        |
| 3:35 – 4:15 p.m. | What’s New in Rescue Therapies for Status Epilepticus?                
Laura Speltz, M.D.  
Gillette Children’s Specialty Healthcare |
| 4:15 – 4:55 p.m. | Future Directions in the Management of Pediatric Epilepsy           |
| 5:15 – 8:15 p.m. | Gillette Children’s Specialty Healthcare Tour                        
(Optional activity. See registration page for more information.) |
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 – 8:00 a.m.</td>
<td>Registration, Exhibits and Poster Session</td>
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<tr>
<td>8:00 – 8:10 a.m.</td>
<td>Announcements</td>
</tr>
</tbody>
</table>
| 8:10 – 8:50 a.m. | **The Genetic Basis of Pediatric Movement Disorders: What Are We Learning?**  
Michael Kruer, M.D.  
Sanford Children’s Hospital |
| 8:50 – 10:10 a.m. | **Medical Management and Alternative Treatments for Movement Disorders**  
Kevin Harrington, Ph.D.  
Private Practice  
Tim Feyma, M.D.  
Gillette Children’s Specialty Healthcare |
| 10:10 – 10:40 a.m. | Morning Break, Exhibits and Poster Session                        |
| 10:40 – 11:20 a.m. | **Deep Brain Stimulation/Outcomes of Surgical Intervention: The Cook Children’s Medical Center Experience**  
Warren Marks, M.D.  
Cook Children’s Medical Center |
| 11:20 a.m. – 12:00 p.m. | **Peripheral Surgical Treatment of Movement Disorders**  
Patrick Graupman, M.D.  
Gillette Children’s Specialty Healthcare |
| 12:00 – 1:15 p.m. | Lunch, Exhibits and Poster Session                                 |
Agenda

Tuesday, May 6, 2014
Focus on Neurosurgical Interventions

1:15 – 1:55 p.m.  
Treatment of Vascular Malformations in Pediatric Patients  
Eric S. Nussbaum, M.D.  
Minnesota Neurovascular and Skull Base Surgery

1:55 – 2:35 p.m.  
Update on Surgical Issues in Intrathecal Baclofen Therapy:  
Infections in Combined Procedures and Long-term Survival of Catheters  
Michael Partington, M.D.  
Gillette Children’s Specialty Healthcare

2:35 – 3:15 p.m.  
A Randomized Controlled Trial to Determine the Length of Bed Rest After Spinal Catheter Insertion in Pump Surgery  
Patrick Graupman, M.D.  
Gillette Children’s Specialty Healthcare

3:15 – 3:45 p.m.  
Afternoon Break, Exhibits and Poster Session

3:45 – 4:25 p.m.  
Endoscopic Management of Complex Hydrocephalus  
Daniel Guillaume, M.D.  
University of Minnesota

4:25 – 5:05 p.m.  
Perineurioma as a Cause of Childhood Neurological Impairment  
Laura Freeman, M.D.  
Mayo Clinic
<table>
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<tr>
<th>Time</th>
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<th>Speakers</th>
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<td>7:00 – 8:00 a.m.</td>
<td>Registration, Exhibits and Poster Session</td>
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<tr>
<td>8:00 – 8:10 a.m.</td>
<td>Announcements</td>
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<tr>
<td>8:10 – 8:50 a.m.</td>
<td>Duchenne Muscular Dystrophy: Treatment Updates</td>
<td>Susan Apkon, M.D. Seattle Children's Hospital</td>
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<tr>
<td>8:50 – 9:30 a.m.</td>
<td>Spinal Muscular Atrophy: Past, Present and Future</td>
<td>Barry Russman, M.D. Oregon Health Sciences University</td>
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<tr>
<td>9:30 – 10:10 a.m.</td>
<td>Weight Loss in Children Who Have Duchenne Muscular Dystrophy: What Can a Sleep Study Tell Us?</td>
<td>Supreet Deshpande, M.D. Gillette Children's Specialty Healthcare</td>
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<td>John Garcia, M.D. Gillette Children's Specialty Healthcare</td>
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<td>Mark Gormley, M.D. Gillette Children’s Specialty Healthcare</td>
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<tr>
<td>10:10 – 10:40 a.m.</td>
<td>Morning Break, Exhibits and Poster Session</td>
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<tr>
<td>10:40 – 11:20 a.m.</td>
<td>Duchenne Muscular Dystrophy Cardiomyopathy: Pathophysiology and Cellular Modeling</td>
<td>Forum Kamdar, M.D. University of Minnesota</td>
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<tr>
<td>11:20 a.m. – 12:00 p.m.</td>
<td>Genetic Therapies in Myotonic Dystrophy</td>
<td>Randal Richardson, M.D. Gillette Children's Specialty Healthcare</td>
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<tr>
<td>12:00 – 1:15 p.m.</td>
<td>Lunch, Exhibits and Poster Session</td>
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## Agenda

**Wednesday, May 7, 2014**

**Associated Conditions Related to Brain and Spinal Cord Injury**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
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</table>
| 1:15 – 1:55 p.m. | Management of Dysautonomia in Acquired Brain Injury  
Nanette Aldahondo, M.D.  
Gillette Children’s Specialty Healthcare |
| 1:55 – 2:35 p.m. | Evidence-Based Management of Vision Deficits Following Traumatic Brain Injury  
SUNY Optometry’s University Eye Center |
| 2:35 – 3:15 p.m. | Advances in the Rehabilitation of Pediatric Brain Injury  
and Spinal Cord Injury  
Mark Gormley, M.D.  
Gillette Children’s Specialty Healthcare |
| 3:15 – 3:35 p.m. | Break                                                                                       |
| 3:35 – 4:15 p.m. | Voiding Dysfunction and Spinal Cord Injury  
Balaji Kalyanaraman, M.D., Ph.D.  
University of Minnesota |
| 4:15 – 5:00 p.m. | Expert Patients–The Experiences of Young People Living With Spinal Cord Injuries  
A moderated session in which young people will share their wisdom and experiences of living life fully after a spinal cord injury.  
Mark Gormley, M.D., Moderator |
Faculty

Nanette Aldahondo, M.D.  
Pediatric Rehabilitation Medicine Specialist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Kevin Harrington, Ph.D.  
Psychologist  
Private Practice  
St. Paul, Minn.

Susan Apkon, M.D.  
Pediatric Rehabilitation Medicine Specialist  
Seattle Children’s Hospital  
Seattle, Wash.

Balaji Kalyanaraman, M.D., Ph.D.  
Fellow, Genitourinary Trauma and Reconstruction  
University of Minnesota  
Minneapolis, Minn.

Supreet Deshpande, M.D.  
Pediatric Rehabilitation Medicine Specialist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Forum Kamdar, M.D.  
Cardiology Fellow  
University of Minnesota  
Minneapolis, Minn.

Tim Feyma, M.D.  
Pediatric Neurologist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Mark Gormley, M.D.  
Pediatric Rehabilitation Medicine Specialist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

John Garcia, M.D.  
Pediatric Sleep Medicine Specialist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Warren Marks, M.D.  
Pediatric Neurologist  
Medical Director, Movement Disorders and Neurorehabilitation  
Cook Children’s Medical Center  
Fort Worth, Texas

Laura Freeman, M.D.  
Diagnostic Radiologist  
Mayo Clinic  
Rochester, Minn.

Chief, Vision Rehabilitation Services  
SUNY Optometry’s University Eye Center  
New York, N.Y.

Mark Gormley, M.D.  
Pediatric Neurologist  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Michael Kruer, M.D.  
Pediatric Neurologist  
Associate Scientist  
Sanford Children’s Hospital  
Sioux Falls, S.D.

Forum Kamdar, M.D.  
Cardiology Fellow  
University of Minnesota  
Minneapolis, Minn.

Patrick Graupman, M.D.  
Pediatric Neurosurgeon  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.

Eric Nussbaum, M.D.  
Neurosurgeon  
Minnesota Neurovascular and Skull Base Surgery  
St. Louis Park, Minn.

Daniel Guillaume, M.D.  
Pediatric Neurosurgeon  
University of Minnesota  
Minneapolis, Minn.

Michael Partington, M.D.  
Pediatric Neurosurgeon  
Gillette Children’s Specialty Healthcare  
St. Paul, Minn.
Faculty

Randal Richardson, M.D.
Pediatric Neurologist
Gillette Children's Specialty Healthcare
St. Paul, Minn.

Barry Russman, M.D.
Pediatric Neurologist
Oregon Health and Sciences University
Portland, Ore.

Laura Speltz, M.D.
Pediatric Neurologist
Gillette Children's Specialty Healthcare
St. Paul, Minn.

Beverly Wical, M.D.
Pediatric Neurologist
Gillette Children's Specialty Healthcare
St. Paul, Minn.

Nicole Williams, M.D.
Pediatric Neurologist
Gillette Children's Specialty Healthcare
St. Paul, Minn.

Conference Planning Committee
Nanette Aldahondo, M.D.
Lynn Carpentier
Suzanne Constantini, R.N., B.S.N., M.B.A.
Richard DiPrima, Psy.D.
Tim Feyma, M.D.
Paul Fiore, M.B.A.
Mary Grimm
Catherine Johnson, M.S.N., R.N.
Peter Kim, M.D., Ph.D.
Jennifer Maytum, R.N., C.P.N.P.
Sue Murr, D.P.T.
Michael Partington, M.D.
Sam Roiko, Ph.D.
Amy Schall
Angela Sinner, D.O.
Steve Smith, M.D.
Debbie Song, M.D.
Candace Vegter, M.A., C.C.C.
Marcie Ward, M.D.
Beverly Wical, M.D.
Clinical Poster Submissions

We are currently accepting submissions for a limited number of posters focused on research or clinical care improvements in the field of pediatric neurosciences. Posters must focus on scientific information, not on products or services.

Posters will be on display throughout the conference, and poster presenters are expected to staff their poster at scheduled breaks.

All submissions must be completed online by March 24, and participants will be notified of the poster’s status by March 28. If you wish to propose multiple poster topics, each topic will require an individual submission.

Submit online at www.gillettechildrens.org/neurosciences2014. If you have questions, please contact Lynn Carpentier at LCarp@gillettechildrens.com.

Note: Presenters whose posters are accepted will be required to pay the conference registration fee and their own lodging and travel expenses.
Conference Registration Form

Moving Forward in the Treatment of Pediatric Neurological Disorders

Online registration is available at www.gillettechildrens.org/neurosciences2014.

Name ____________________________________________

Profession/Credentials ____________________________________________

Specialty ____________________________________________

Institution/Clinic ____________________________________________

Address ____________________________________________

City State/Country ZIP/Postal Code

Daytime Phone ____________________________________________

Email (required for registration and confirmation) ____________________________

*Special needs (mobility, hearing vision, meals) ____________________________

*All requests will be kept confidential.

Registration Fees (Select One): Early Registration Regular Registration
(On or before April 11) (April 12 – April 28)

- Physician (three days) $495 $560
- Physician (May 5 only) $100 $115
- Physician (May 6 only) $210 $235
- Physician (May 7 only) $210 $235
- Allied Health (three days) $450 $510
- Allied Health (May 5 only) $90 $100
- Allied Health (May 6 only) $190 $210
- Allied Health (May 7 only) $190 $210

Group Rate – Groups of five or more from the same organization attending during the same time period are eligible for a 20 percent discount. Call Mary Grimm at 651-578-5002 or 800-719-4040, or email her at mgrimm@gillettechildrens.com for assistance.

Student Rate – Residents, fellows and full-time students in clinical programs may receive a 20 percent discount. Call Mary Grimm at 651-578-5002 or 800-719-4040, or email her at mgrimm@gillettechildrens.com for assistance.

Your registration fee—minus a $100 administrative charge—is refundable after the conference if cancellation is received 48 hours before the program date.

Meals: Continental breakfast, refreshments and lunch (excluding Monday, May 5) included with registration.

Please complete Tour and Payment Information on the reverse side.
Gillette Tour and Reception - Monday, May 5
A reception and tour is offered to interested conference attendees. Guests will be transported to Gillette Children’s Specialty Healthcare for a reception and tour of several clinical departments. Featured on the tour will be the James R. Gage Center for Gait and Motion Analysis, Advanced Imaging, Rehabilitation Therapies and Assistive Technology. Each area provides unique clinical services and delivery methods to meet the needs of patients who have disabilities and complex medical needs. Hors d’oeuvres and a selection of beverages will be provided. This event is free to conference attendees and a guest.

Attending: ☐ Yes ☐ Guest will attend ☐ No

Conference Payment Information
Make check payable in U.S. dollars to Gillette Children’s Specialty Healthcare.
☐ Check enclosed amount: ________________

Mail check to: Mary Grimm, Continuing Medical Education
Gillette Children’s Specialty Healthcare
CME Department
200 University Ave. E.
St. Paul, MN 55101

For credit card payment, online registration is available at:
Visitor Information
While you’re in the Twin Cities, be sure to enjoy the charm and amenities of our river cities. For information about Twin Cities attractions, please contact the following associations:

Meet Minneapolis, Official Convention and Visitors Association
888-676-6757 (toll-free)
www.meetminneapolis.com

Minnesota Office of Tourism
651-296-5029 or 888-868-7476 (toll-free)
www.exploreminnesota.com

The Saint Paul Convention and Visitors Authority
651-265-4900 or 800-627-6101 (toll-free)
www.visitsaintpaul.com
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