

17th Annual Children's Neuroscience Symposium

Presented by:



February 24 - 27, 2013



Featuring nationally prominent speakers, presenting topics that highlight the most recent advances and current issues in pediatric neurosciences.

**The Ritz Carlton
Biltmore, Phoenix, AZ**



REGISTRATION

17th Annual Children's Neuroscience Symposium Presented by Barrow Neurological Institute at Phoenix Children's Hospital

SEATING IS LIMITED AND SUBJECT TO AVAILABILITY; THEREFORE, EARLY REGISTRATION IS ENCOURAGED. The fee to attend Children's Neuroscience Symposium for practicing physicians is \$115 per session or \$395 for all 4 sessions and for retired physicians, residents, nurses, and other allied health professionals \$80 per session or \$275 for 4 sessions, and a special rate of \$55 per session for community members and/ or students that would like to attend. Those who register for the course and reserve a room using the Phoenix Children's Hospital-Pediatric Update guest room block at Ritz-Carlton, prior to 12/31/2012, will receive a registration discount of \$50. The registration fee includes tuition, lunch each afternoon, refreshments during the meeting and the Reception on Sunday evening.

Presentations/Syllabus material will be available on the Phoenix Children's Hospital Website at www.phoenixchildrens.com – thumb drives will be distributed to each registrant upon check in at the conference registration desk. If you wish to purchase a printed syllabus for the main course, one will be provided upon check in for a \$40 fee to cover the cost of printing. Please indicate that you wish to purchase a printed copy of the syllabus on your course registration form.

If you wish to bring additional guests to the Reception, please include \$60 in your tuition for each additional person. If your spouse or guest plans to attend the afternoon luncheon for registered participants, please include an additional \$60 in your tuition fee for each spouse or guest.

The registration and information desk will be open Sunday, February 24 at 12 p.m. and daily throughout the symposium from noon until 5 p.m.

The full fee is payable upon registration. Please make checks payable to: PCH Neuroscience Symposium (all fees in US currency). Registration fees will not be refunded for cancellations received after Friday, February 8, 2013 at 5 p.m. Central Daylight Time.

Registration is also available online at the following address: www.phoenixchildrens.com/calendar-of-events

Please PRINT clearly

Name _____ Degree _____

Address _____

City _____ State _____ Zip _____

Business Phone (_____) _____ Home Phone (_____) _____

Fax (_____) _____ Email Address _____

Do you plan to attend the Reception? _____ Yes _____ No

Will your spouse/guest be attending the Reception? _____ Yes _____ No

One Reception ticket will be provided for each registrant and the registrant's spouse or a guest.

Additional Reception tickets will be available for purchase (\$60 each) at the conference registration desk.

Will your spouse/guest be attending the Breakfast Buffet for registered participants? _____ Yes _____ No

Lunch tickets will be provided for each registrant.

Additional tickets will be available for purchase (\$60 each) at the conference registration desk. (price includes Lunch Sunday through Wednesday)

Tuition (Indicate which sessions you plan to attend)	Physicians	Retired Physicians/Nurses/ Allied Health	Student/Community Member
All 4 Sessions	_____ \$ 359	_____ \$ 275	_____ n/a
Session A Neurological Sports Medicine for the Physician and Trainer	_____ \$ 115	_____ \$ 80	_____ \$ 55
Session B Common Neurological Disorders for the PCP	_____ \$ 115	_____ \$ 80	_____ \$ 55
Session C Developmental Pediatrics Update	_____ \$ 115	_____ \$ 80	_____ \$ 55
Session D1 The Importance of the PCP in the role of Neurosurgery	_____ \$ 115	_____ \$ 80	_____ \$ 55
or			
Session D2 Nursing and Allied Health for The "Neuro" Child	_____ \$ 115	_____ \$ 80	_____ \$ 55

I wish to bring _____ additional guest (s) to the Sunday evening reception

\$60 per person _____

My Spouse/guest (s) plans to attend the afternoon luncheon for registrants (price includes lunch Sunday through Wednesday)

\$60 per person _____

I wish to purchase a printed copy of the neuroscience symposium course syllabus

\$40 _____

Total _____

To Mail Your Tuition Payment

PAYMENT MAY BE MADE BY CHECK or CREDIT CARD

PLEASE MAKE CHECK PAYABLE TO: **PCH Neuroscience Symposium** (all fees in US currency).

PLEASE CHARGE MY: Visa MasterCard American Express

Credit Card Number _____ Expiration Date _____

Card Holder Signature _____

Print Name as Shown on Card _____

For further registration information and assistance, please contact: JoAnn Cunningham, Medical Education E-mail: jcunnin@phoenixchildrens.com

Mailing Address: Phoenix Children's Hospital ♦ 1919 East Thomas Road ♦ Phoenix, Arizona 85016 ♦ (602) 933-0766 or 933-0761 ♦ Fax: (602) 933-0806

Hotel Reservations at the Ritz-Carlton, Phoenix: 2401 East Camelback Road, Phoenix, Arizona 85016 Hotel Phone (602) 648-0700

To Make a Reservation by Phone Call: (800) 241-3333 To Fax Your Reservation Form: (602) 553-0685 FORM INCLUDED IN THE PEDIATRIC UPDATE PROGRAM

Online go to: ritzcarlton.com/phoenix Attention: Joseph Vita in Group Reservations Reference Group Code: PCHPCA Email: joe.vita@ritzcarlton.com

Official Dates for Guest Room Reservations: Saturday, February 24 through Saturday, March 2, 2013. Reservations must be received by: Thursday, January 24, 2013. Transportation: Phoenix Sky Harbor Airport Taxi service or public shuttle is available at each terminal. The Ritz-Carlton is located about 8 miles from the Airport.

Room rates are subject to 13.27% occupancy tax. All reservation requests must be accompanied by a one-night non-refundable deposit in order for the reservation to be processed and confirmed. Deposits will be refunded for rooms cancelled more than 72 hours prior to arrival.

PROGRAM

All Faculty affiliated with Barrow Neurological Institute at Phoenix Children's Hospital, University of Arizona, College of Medicine – Phoenix, and Barrow Neurological Institute

COURSE DIRECTORS

P. David Adelson, MD, FACS, FAAP

Director, Barrow Neurological Institute at Phoenix Children's Hospital
Chief, Pediatric Neurosurgery/
Children's Neurosciences
Clinical Professor of Surgery/
Neurosurgery
Academic Division Chief
Neurosurgery, Department of
Child Health University of Arizona
College of Medicine – Phoenix

Matthew M. Troester, DO

Assistant Professor
Clinical Pediatrics and Neurology
University of Arizona
College of Medicine – Phoenix
Co-Director, Comprehensive
Sleep Program, Barrow
Neurological Institute at Phoenix
Children's Hospital

FACULTY

John L. Barton, PhD

Associate Professor of Psychology
Clinical Pediatrics
Pediatric Psychologist

Saunder M. Bernes, MD

Associate Professor
Clinical Pediatrics
Pediatric Neurologist

Ratan D. Bhardwaj, MD, PhD, FRCS

Assistant Professor
Neurological Surgery
Pediatric Neurosurgeon

Robin K. Blitz, MD, FAAP

Associate Professor
Clinical Pediatrics
Director, Developmental Pediatrics

Ruth E. Bristol, MD

Assistant Professor
Neurological Surgery
Pediatric Neurosurgeon

S. Danielle Brown, RN, MS

Director, Research Coordination
and Education

Sara Bode, MD

Associate Professor
Clinical Pediatrics
Pediatrician

Theresa A. Grebe, MD, FACMG, FAAP

Associate Professor
Clinical Pediatrics
Division of Genetics & Metabolism

Paula Kinnard, RN, MSN

Clinical Research Nurse/
Neuroscience Research

17th Annual Children's Neuroscience Symposium Presented by Barrow Neurological Institute at Phoenix Children's Hospital

HOSTED BY BARROW NEUROLOGICAL INSTITUTE at PHOENIX CHILDREN'S HOSPITAL

For the past 16 years the Children's Neuroscience Symposium has offered physicians from across the country the opportunity to learn the latest evidence-based practices in pediatric neuroscience medicine. This event welcomes pediatricians, nurses, trainers and other healthcare providers who recognize and value this opportunity for continuing medical education.

ABOUT BARROW NEUROLOGICAL INSTITUTE at PHOENIX CHILDREN'S HOSPITAL

Barrow Neurological Institute is recognized world-wide for providing the most advanced neurological care. That care is now available for children at Barrow Neurological Institute at Phoenix Children's Hospital. With comprehensive programs in epilepsy, traumatic brain injury, behavioral medicine, neurosurgery and more, Barrow at Phoenix Children's is among the largest programs of its kind in the country and ranked as a top children's hospital by U.S. News and World Report as well as a top destination for epilepsy, neurotrauma, neuro-oncology, and neurorehabilitation. For more information, visit www.phoenixchildrens.com/bni.

COURSE CREDIT

Phoenix Children's Hospital is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide Continuing Medical Education for physicians.

Phoenix Children's Hospital designates this live activity for a maximum of **13 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.



Sunday, February 24

Pediatric and Adolescent Neurological Sports Medicine: For the Physician and Trainer

Session A

Session Learning Objectives

- Recognize the signs and symptoms of a concussion
- Able to evaluate the youth athlete suspected of sustaining a concussion, on the field and in the office
- Know when to refer the concussed athlete for further evaluation
- Describe the correct management and rehabilitative techniques for the concussed athlete
- Recognize when it is safe to return to play
- Explain the potential for short and long term neurological consequences of a concussion

Moderator: P. David Adelson, MD

12 p.m. Registration and Lunch

1 p.m. Welcome and Introduction

P. David Adelson, MD

1:10 p.m. Pathophysiology of a Concussion

David W. Dodick, MD

1:40 p.m. Vulnerable Population: Concussions in Youth Athletes

P. David Adelson, MD

2:10 p.m. Sports Injuries of the Head, Neck and Spine

Kristina Wilson, MD

2:40 p.m. Break

3 p.m. Neuro-Assessment of the Injured Athlete

Michael Lavoie, PhD

3:30 p.m. Return to Play Guidelines for Trainers, Athletes and Families

Steve Erickson, MD

4 p.m. Barrow Brainbook: Education for Concussions

Javier Cárdenas, MD

4:30 p.m. Case Studies Panel/ Q & A Session

5 p.m. Adjourn for the Day

6:00 Opening Reception in honor of Keynote Speaker Sanjeev V. Kothare, MD

Join us from 6 to 9:00pm at the Adelson Residence. Relax in the garden and enjoy the food, drinks, and entertainment including a delightful selection of hors d'oeuvres, wine and cocktails. You need to RSVP in order to attend.

Monday, February 25

Common Neurological Disorders for the PCP

Session B

Session Learning Objectives

- Identify current advances and emerging trends in the treatment of Pediatric Neurological disorders
- Recognize the common and confusing seizure types in children and know when to refer to a neurologist
- Discuss the difference between primary and secondary headache disorders
- Know the migraine symptoms and epidemiology in the pediatric population
- Explain the rapid evaluation and the practical management of frequently presenting pediatric sleep complaints
- Describe the importance of the PCP's role in the care and management of Pediatric Neurological disorders

Moderator: Mathew Troester, DO

12:30 p.m. Registration and Lunch

1:30 p.m. Welcome and Introduction

Mathew Troester, DO

1:40 p.m. Management of Seizures and Epilepsy

Jack Kerrigan, MD

2:10 p.m. The PCP's Guide to Headaches

Marcy Yonker, MD

2:40 p.m. Sleep Disorders in Children

Mathew Troester, DO

3:10 p.m. Break

3:20 p.m. Keynote Presentation
Electrical Status Epilepticus in Sleep

Sanjeev V. Kothare, MD

4:20 p.m. Case Studies Panel/ Q & A Session

5 p.m. Adjourn for the Day

Keynote Address: Electrical Status Epilepticus in Sleep



Sanjeev V. Kothare, MD is the current chair of the Pediatric Sleep Disorders and Development Steering Committee of the AASM. He is the Medical Director and the Fellowship Director of the Pediatric Sleep Medicine Training Program at the Center for Pediatric Sleep Disorders, Children's Hospital Boston, and Associate Professor, Department of Neurology, Harvard Medical School. He is also an associate preceptor for the Harvard Sleep T32 training grant. His research interests include circadian neurology, epilepsy and sleep, and mechanisms to understand sudden unexpected death in the epilepsy population, besides his interest in sleep disorders in rare diseases. He is actively funded via the NIH with several R21 grants, and is the recipient of the Harvard catalyst. He has authored a book named "Sleep in Childhood Neurological Disorders".

OBJECTIVE

By Learning about recent advances and current issues in pediatric neurosciences, this course will help the pediatric care provider to understand and direct the care for these unique and challenging children

FACULTY

John F. Kerrigan, MD
Associate Professor
Clinical Pediatrics and Neurology
Director, Pediatric Epilepsy Program
and Clinical Neurophysiology
Laboratory

Urszula H. Kotlow, MD
Associate Professor
Clinical Pediatrics
Pediatric Psychiatrist

Michael S. Lavoie, PhD
Associate Professor
Clinical Pediatrics
Chief, Division of Neuropsychology

Elizabeth Linos OTR/L, MS, MBA
Director Of Rehabilitation/
Neurorehabilitation

Jeffrey H. Miller, MD
Assistant Professor
Radiologist, Head of MRI,
Neuroradiology Section

Nancy B. Quay MS, RN, CNRN
Clinical Manager, Neurosciences

David H. Shafron, MD
Assistant Professor
Neurological Surgery
Pediatric Neurosurgeon

Lisa Vanatta, MS, RD
Ketogenic/Neonatal Nutritionist

Kristina M. Wilson, MD
Assistant Professor
Clinical Pediatrics
Primary Care Pediatric and
Adolescent Sports Medicine,
Center for Orthopedics

Marcy E. Yonker, MD, FAHS
Associate Professor
Clinical Pediatrics
Director, Pediatric Headache Program

GUEST FACULTY

Javier Cárdenas, MD
Director, B.R.A.I.N.S. Clinic
Barrow Neurological Institute
St. Joseph's Hospital and Medical
Center

David W. Dodick, MD
Professor, Department of Neurology
Neurologist
Mayo Clinic

Steven M. Erickson, MD, FACP
Center Medical Director
Concentra

Sanjeev V. Kothare, MD
Associate Professor
Department of Neurology,
Harvard Medical School
Medical Director, Center for
Pediatric Sleep Disorders
Fellowship Director, Pediatric
Sleep Medicine Training Program
Children's Hospital Boston

Tuesday, February 26

Session C

Developmental Pediatrics Update

Session Learning Objectives

- Recognize the key features of autism spectrum disorders (ASD) and Attention Deficit Hyperactivity Disorder (ADHD)
- Recognize early ASD diagnostic markers in infants and toddlers
- Identify the role of genetics in autism from both a clinical and scientific perspective
- Understand how learning disabilities are diagnosed and treated to maximize family and psycho-social success
- Describe the management of learning disabilities in both the clinical and non-clinical setting
- Explain the classification and diagnosis of tics and other movement disorders in children
- Discuss the long term management of Tics, review clinical features, natural history and neurobiology of childhood tics
- Understand diagnostic controversies, implications toward treatment and the relationship to pediatric developmental disorders

Moderator: Robin Blitz, MD

12:30 p.m. Registration and Lunch

1:30 p.m. Welcome and Introduction

Robin Blitz, MD

1:40 p.m. A Comprehensive Approach to Autism

Robin Blitz, MD

2:10 p.m. Unraveling the Etiology of Autistic Spectrum Disorders: An Approach to Genetic Evaluation

Theresa A. Grebe, MD

2:40 p.m. Common Psychiatric Disorders in Children

Urszula Kotlow, MD

3:10 p.m. Break

3:20 p.m. Successful Approaches in the Management in the ADD/ADHD
Sara Bode, MD

3:50 p.m. ABC's of Learning Disabilities
John Barton, PhD

4:20 p.m. Pediatric Tics: Classification, Diagnosis and Controversies
Saunders Bernes, MD

5 p.m. Adjourn for the Day

Wednesday, February 27

Session D1

Session D2

The Importance of the PCP in the Role of Neurosurgery

Session Learning Objectives

- Describe the importance of the PCP's role in the care and management of Pediatric Neurosurgical Cases
- Identify the clinical signs and symptoms of different types of shunt malfunction
- Describe the difference between a sacral dimple and a tethered cord
- Recognize the clinical symptoms of a tethered cord
- Discuss the new modalities for neuroimaging
- Understand the indications for intervention for Chiari malformation
- Understand the differences between craniosynostosis and plagiocephaly

Moderator: Ruth Bristol, MD

12:30 p.m. Registration and Lunch

1:30 p.m. Welcome and Introduction

1:40 p.m. Shunt Malfunction or Just a Headache?

Ratan Bhardwaj, MD

2:10 p.m. Sacral Dimple versus Tethered Cord

David Shafron, MD

2:40 p.m. Craniosynostosis and the Odd Shaped Head

Ruth Bristol, MD

3:10 p.m. Break

3:20 p.m. Chiari Malformations

P. David Adelson, MD

3:50 p.m. To CT or Not to CT? The latest in Neuroimaging

Jeff Miller, MD

4:20 p.m. Case Studies Panel/ Q & A Session

5 p.m. Adjourn for the Day

Nursing and Allied Health for the "Neuro" Child

Session Learning Objectives

- State three critical components of the pediatric neuro assessment.
- List two interventions for the treatment of pediatric seizures.
- Discuss the goals of rehabilitation for the child with neuro injury.
- Identify two risk factors for inadequate nutrition in the child with neuro injury.

An Application for this activity has been submitted to Phoenix Children's Hospital to award contact hours. Phoenix Children's Hospital is an approved provider of nursing continuing education by the Arizona Nurses' Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Moderator: S. Danielle Brown, RN

12:30 p.m. Registration and Lunch

1:30 p.m. Welcome and Introduction

1:40 p.m. Neuro Assessment

S. Danielle Brown, RN

2:10 p.m. Seizures and Epilepsy in Children

Paula Kinnard, RN

2:40 p.m. Neuro Nutritional Therapy

Lisa Vanatta, RD

3:10 p.m. Break

3:20 p.m. Rehabilitation for the "Neuro" Injured Child

Elizabeth Linos OTR/L

3:50 p.m. Transition from Child to Adult

Nancy Quay, RN

4:20 p.m. Case Studies Panel/ Q & A Session

5 p.m. Adjourn for the Day



Have a challenging case or a case you would like to discuss with our esteemed panel? Please submit a brief, 250 words or less, summary for consideration to ccasanova@phoenixchildrens.com

For further information and assistance with special requests, please contact Christina Casanova
Phone (602) 933-0923 Email: ccasanova@phoenixchildrens.com