



**Boston  
Children's  
Hospital**

Until every child is well™

6<sup>th</sup> Annual Training Course for  
Health Care Professionals on

# Vestibular and Balance Disorders in the Pediatric Population

**Fri. & Sat., October 2-3, 2015**

Boston Children's at Waltham  
9 Hope Avenue, Waltham, MA



> **REGISTRATION:** [bostonchildrens.org/pedibalancedisorderconf2015](http://bostonchildrens.org/pedibalancedisorderconf2015)





## About the course

### **Vestibular and Balance Disorders in the Pediatric Population**

Dizziness and imbalance are common medical complaints in children, and approximately one-in-three children with these symptoms will be diagnosed with a vestibular disorder. Vestibular dysfunction is particularly common in children with congenital hearing loss and in adolescents with sports-related concussions. Yet, training programs for pediatric physicians, ancillary health care practitioners, audiologists, physical therapists and occupational therapists generally include little-to-no education on the evaluation and management of pediatric vestibular disorders.

This course will use both lectures and hands-on workshops to teach pediatric providers to better understand the physiology and differential diagnosis of pediatric vestibular dysfunction, and to evaluate and treat pediatric vestibular disorders in an effective and cost-efficient manner. The course will include workshops on techniques in vestibular testing and vestibular

rehabilitation at our state-of-the-art pediatric vestibular clinic and testing facility. This course will also provide guidance to health care providers who may be interested in starting their own pediatric vestibular programs.

### **Course objectives**

*Upon completion of this activity, participants will be able to:*

- › diagnose common causes of dizziness and balance impairment in children and adolescents
- › administer and interpret office and laboratory-based tests of vestibular function and balance in children and adolescents
- › manage vestibular disorders in children and adolescents using medications and physical therapy techniques



### Target audience

- › Otolaryngology
- › Neurology
- › Audiology
- › Physical therapy
- › Occupational therapy
- › Sports medicine
- › Pediatrics (primary care)

### Accreditation

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

Boston Children's Hospital designates this live activity for the maximum of 12.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

Applying for CEU approval from American Academy of Audiology.

### ACGME competencies

The 6<sup>th</sup> Annual Training Course for Health Care Professionals on Vestibular and Balance Disorders in the Pediatric Population is designed to address the competencies regarding patient care, medical knowledge, practice-based learning and improvement.

### Disclosure policy

Boston Children's Hospital adheres to ACCME Essential Areas, Standards and Policies. It is Boston Children's policy that those who have influenced the content of a CME activity (e.g., planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that Boston Children's may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with any disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.



### Refund policy

Registration by credit card can be made at [www.bostonchildrens.org/pedibalancedisorderconf2015](http://www.bostonchildrens.org/pedibalancedisorderconf2015). Registration by check (draft on a United States bank): please make payable to Boston Children's Hospital and contact Lesley Niccolini at [lesley.niccolini@childrens.harvard.edu](mailto:lesley.niccolini@childrens.harvard.edu) to discuss payment. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration, an email confirmation from the Boston Children's office will be sent to you. Be sure to include an

email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation and certificate.

Fifty-percent (50%) refunds will be issued for all cancellations received prior to the start of the course. Refund requests must be received by postal mail, email or telephone. "No shows" are subject to the full course fee, and no refunds will be issued once the conference has started.

### Course Directors

#### Jacob Brodsky, MD

Instructor of Otolaryngology, Boston Children's Hospital;  
Medical Director, The Balance Program at Boston Children's at Waltham;  
Instructor of Otolaryngology and Laryngology, Harvard Medical School

#### Guang Wei Zhou, ScD

Audiologist, Boston Children's Hospital;  
Clinical Director, The Balance Program at Boston Children's at Waltham;  
Clinical Researcher in Audiology; Instructor of Otolaryngology, Harvard Medical School

### Cost

Physicians	\$200
Allied Health Professionals	\$200
Trainees	\$100

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## Schedule of events

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**Day 1 - Friday, October 2, 2015** Location: Deveber Auditorium

8 – 8:30 a.m.	<b>Registration and Breakfast</b>
8:30 – 8:35 a.m.	<b>Welcome/Opening Comments</b> Jacob Brodsky, MD, Thierry Morlet, PhD
8:35 – 9:15 a.m.	<b>Anatomy &amp; Physiology of the Vestibular System</b> Robert C. O'Reilly, MD
9:15 – 10:15 a.m.	<b>Vestibular Testing</b> Guang Wei Zhou, ScD
10:15 – 10:30 a.m.	<b>Q&amp;A</b>
10:30 – 10:45 a.m.	<b>Break</b>
10:45 – 11:15 a.m.	<b>Pediatric Vestibular Disorders: Epidemiology and Clinical Presentation</b> Robert C. O'Reilly, MD
11:15 – 11:45 a.m.	<b>Vestibular Migraine</b> Jacob Brodsky, MD
11:45 a.m. – noon	<b>Q&amp;A</b>
Noon – 1 p.m.	<b>Lunch</b>
1 – 1:30 p.m.	<b>Vestibular Disorders &amp; SNHL</b> Sharon Cushing, MD
1:30 – 2 p.m.	<b>Post-Concussive Vertigo</b> Jacob Brodsky, MD
2 – 2:15 p.m.	<b>Q&amp;A</b>
2:15 – 2:30 p.m.	<b>Break</b>
2:30 – 3 p.m.	<b>PT Assessment</b> Wendy Holdan, PT, MSPT, OCS Sandy Denning, PT
3 – 3:45 p.m.	<b>PT Management</b> Wendy Novick, DPT Faithe Kalisperis, MPT, DPT/C/NDT
3:45 – 4:15 p.m.	<b>PT Concussion Management</b> Wendy Holdan, PT, MSPT, OCS Faithe Kalisperis, MPT, DPT/C/NDT
4:15 – 4:30 p.m.	<b>Q&amp;A</b>
4:30 p.m.	<b>Adjourn</b>

# Schedule of events

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## Day 2 - Saturday, October 3, 2015

### Location: Balance Program Clinic and Physical Therapy Gym

Boston Children's Hospital at Waltham, 9 Hope Avenue, Waltham, MA 02453

Six teams (made up of 12 attendees) rotate through six different workshops over six sessions throughout the day.

8 – 8:30 a.m.

### Registration and Breakfast

8:30 – 8:45 a.m.

### Welcome/Instructions for Workshops

Jacob Brodsky, MD, Guang Wei Zhou, ScD

8:45 – 9:45 a.m.

### Session 1 Workshop

9:45 – 10:45 a.m.

### Session 2 Workshop

10:45 – 11 a.m.

### Break

11 a.m. – noon

### Session 3 Workshop

Noon – 1 p.m.

### Lunch

1 – 2 p.m.

### Session 4 Workshop

2 – 3 p.m.

### Session 5 Workshop

3 – 3:15 p.m.

### Break

3:15 – 4:15 p.m.

### Session 6 Workshop

4:15 p.m.

### Adjourn





## Day 2 - Workshops

**Duration:** one hour per session

### > Balance Program Testing Lab

#### Vestibular Testing Workshop 1

Guang Wei Zhou, ScD

**Rotation/VEMP:** Participants will be trained in the administration and interpretation of rotary chair testing and vestibular evoked myogenic potential (VEMP) testing.

#### Vestibular Testing Workshop 2

Annemarie Cox, MS CCC-A

**VHIT:** Participants will be trained in the administration and interpretation of video head impulse testing (VHIT).

#### Hybrid Workshop 1

Faithe Kalisperis, MPT, DPT/C/NDT

**Computerized Dynamic Posturography (CDP):** Participants will be trained in the use of CDP as both an evaluation and treatment tool.

### > Physical Therapy Gym

#### Physical Therapy Workshop 1

Wendy Holdan, PT, MSPT, OCS, Sandy Denning, PT

**Balance Retraining Therapy:** Participants will be trained in techniques for the rehabilitation of balance.

#### Physical Therapy Workshop 2

Wendy Novick, DPT

**Vestibulo-Ocular Reflex (VOR) Therapy:** Participants will be trained in techniques for rehabilitation of patients with VOR impairment.

#### Hybrid Workshop 2

Jacob Brodsky, MD

**Bedside Vestibular Evaluation and Management Techniques:** Participants will be trained in the office evaluation of vestibular and balance function without the use of expensive, specialized equipment. This session will also include techniques for evaluation and management of benign paroxysmal positioning vertigo (BPPV).



Department of Continuing Medical Education  
300 Longwood Avenue LM6, Boston, MA 02115

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