Registration

The Pediatric Brain: Functional Neuroanatomy, Sensory Systems and Their Treatment Applications
Friday, September 9, and Saturday, September 10, 2016

Registration Fee $335 (choose only one, if applicable)
☑ $100 discount for Children’s Healthcare of Atlanta employee/PRN
☑ $50 discount for each participant with two or more from the same facility

Refund Policy: If you must cancel your registration, notify us at least seven days before the course and we will issue a refund (minus a $25 administration fee). No-shows or cancellations received fewer than seven days prior to the course are ineligible for a refund.

Register Online
Visit choa.org/therapisteducation to register.
Call 404-785-7853 if you are not able to register online.

Location
Children’s Healthcare of Atlanta Office Park
1680 Tullie Circle NE, Classroom 4
Atlanta, GA 30329

Accommodations
Doubletree Hotel Atlanta North Druid Hills
2061 North Druid Hills Road
Atlanta, GA 30329-1808
404-321-4174
doubletree1.hilton.com
(Mention Children's Healthcare of Atlanta for discounted rates.)

Courtyard by Marriott Executive Park/Emory
1236 Executive Park Drive NE
Atlanta, GA 30329-2243
404-728-0708
http://cwp.marriott.com/atlne/choa
(Direct link to CHOA discounted room rates)
Agenda

Friday, September 9

7:30 a.m.  Registration and Continental Breakfast

8:00 a.m.  I. Development of the Nervous System:
            a. Stages of brain development
            b. Clues to developmental delay

8:45 a.m.  II. The Cerebral Cortex
            a. Growth and development of the cortex
            b. The Occipital Lobe
            c. The Temporal Lobe
            d. The Parietal Lobe
            e. The Frontal Lobe
            f. The Corpus Callosum

9:30 a.m.  Break

9:45 a.m.  III. Primitive Reflex Integration
            a. Current research and thinking on the impact of poor
               reflex integration on motor development, behavior,
               and emotional regulation
            b. Assessment and Application of Primitive Reflexes:
               i. Tonic Labyrinthine Reflex
               ii. ATNR
               iii. STNR
               iv. MORO Reflex
               v. Spinal Galant
               vi. Landau Reflex
               vii. Hand-foot-postural Reflex
               viii. Babinski Reflex
            c. Reflex Integration Lab

11:00 a.m. Lunch (on your own)

1:00 p.m.  IV. Motor Systems:
            a. The Cerebellum
            b. The Basal Ganglia

2:00 p.m.  V. Practical Treatment Strategies

2:30 p.m.  Break

2:45 p.m.  V. Learning and Memory
            a. Explicit and Implicit Memory
            b. The Limbic System: Emotions, fear, anxiety, and dysfunction

3:45 p.m.  VI. When Systems Fail: Review of research focusing on brain
dysfunction in Autism, ADHD, CP and Developmental Motor
Coordination Disorder.

4:30 p.m.  Adjourn
Agenda

Saturday, September 10

7:30 a.m.  Continental breakfast

8:00 a.m.  **VII. The Tactile System**
   a. Neuronal Pathways
   b. Impact of dysfunction on motor development and emotional regulation.

8:45 a.m.  **VIII. The Vestibular System**
   a. Neuronal Pathways and Anatomy
   b. VOR and VSR
   c. Evaluation
   d. Treatment activities

10:00 a.m. Break

10:15 a.m. **IX. The Visual System**
   a. Neuronal Pathways and Anatomy

Noon  Lunch (on your own)

1:00 p.m.  **IX. The Visual System (continued)**
   b. Binocular Vision
   c. Evaluation
   d. Treatment

3:15 p.m.  Conclusion of course and evaluations
General Information

Continuing Medical Education Credits

Continuing Education Units have been applied for/approved through the Physical Therapy Association of Georgia (PTAG) for Physical Therapists and the Georgia Occupational Therapy Association (GOTA) for 13 contact hours (1.3 CEUs) for Occupational Therapists. These credits may apply toward licensure in other states. Please verify with your state licensure board for approval.

Visit choa.org/therapisteducation for more information about Continuing Education opportunities for therapists at Children’s.

Objectives

At the conclusion of this workshop, participants will be able to:

- Name each stage of development of the central nervous system in utero.
- List two functions of each lobe within the cerebral cortex.
- Describe three possible functional deficits demonstrated in children with poor reflex integration.
- Demonstrate primitive and postural reflex assessments.
- Provide three examples of the impact that cerebellar and basal ganglia dysfunction have on motor and cognitive development.
- Discuss two differences between explicit and implicit memory.
- Utilize current research to link developmental disabilities with impaired brain development.
- Analyze visual-vestibular dysfunction in the pediatric population after completing a visual-vestibular screening.
- Demonstrate five specific treatment activities integrating the concepts presented in this course.
**General Information**

**Course Description**

This course will provide participants with a deeper understanding of the complex multi-system involvement of the brain in reflex integration, movement, sensory processing, and behavior. The instructor will use innovative and multi-sensory approaches to help participants relate the information to everyday practice. The first day of the course will focus on the functional aspects of neuroanatomy. The second day will focus on the interaction between the vestibular-visual systems. The visual system has an enormous impact on the precise functioning of the vestibular system and dysfunction can result in poor performance across all areas of a child's function. This conference will provide therapists with a new perspective and emphasize the importance of thinking about visual-vestibular dysfunction during treatment. Participants will review real-life cases through videos to enhance understanding of the material. At the conclusion, participants will have a proficient functional knowledge of neuroanatomy and the visual-vestibular systems in the dysfunctional pediatric population, and be able to immediately utilize this knowledge to augment their current practice.

**Who Should Attend**

This course is designed for Occupational Therapists, Physical Therapists, Educational Psychologists, Speech-Language Pathologists, Special Education Teachers and other professionals who work with children from preschool to secondary school age.

*This educational activity does not necessarily reflect the views, opinions, policies or procedures of Children’s Healthcare of Atlanta, its staff or representatives. Children’s cannot and does not assume any responsibility for the use, misuse or misapplication of any information provided.*
General Information

Instructor

Janine Wiskind, O.T.R./L., has worked as a pediatric occupational therapist for the past fourteen years. Beginning her career in brain injury, Janine cultivated her specific concentration in vision. This led her to guest lecture at Brenau University, conduct webinars on the topic, and publish articles relating to dysfunction in the pediatric population. Working in inpatient rehab, the school system, and now in her own private practice, Janine has had extensive opportunities to build upon her diverse array of expertise. Her company, On Solid Ground, provides in-home direct and consultative services focusing on the family system. Her areas of interest include family and environmental analysis, family and environmental analysis, parent education, and set up of visual aids, sensory diets, motor, and behavior programs to promote success of the family system. The goal of her teaching and classwork is to provide effective concepts that will be pertinent in everyday practice. Janine engages her audience with her dynamic teaching style and makes intense information easy to understand and apply.

Conference Coordinator

Michelle Moore, M.S., O.T.R./L.
Senior Program Coordinator
Physician Education
404-785-7853
michelle.moore@choa.org

All programs are intended to be accessible to all persons. If you have a disability and require assistance in order to fully participate in the conference activities, call the conference coordinator to discuss your specific needs.