

How do I register?



By Phone:
Call **800-791-0262** and provide the
information requested on the registration form.



By Mail:
Complete the registration form and mail it to
Motivations, Inc.



On the Web:
Visit www.motivationsceu.com to register!

Motivations, Inc.
Or fax: (815) 371-1499, Questions? (800) 791-0262

Updated:9-30-26

Prices	Self-Study
Group Discount – Five or more registrations	\$200
Individual Registration	\$250

Course # Course Title

Date(s) Location

Name On Card Discipline

Facility

Home Mailing Address

City State Zip

Daytime Phone Fax

E-mail Address for Confirmation (will not be shared or sold)

Cancellation Policy: Motivations, Inc. reserves the right to cancel a course up to 14 days prior to the course, with full refund, if insufficient numbers of participants have registered for the course. Registrants may cancel up to 14 days prior to the course and transfer their tuition to any Motivations, Inc. course, or receive a full refund. Any cancellations within two weeks prior to the course will receive a refund less \$100 for administrative costs.

Circle One: VISA MASTERCARD AMEX

Name on Card _____

Account Number _____ Exp. Date _____

Signature _____ Billing Address Zip Code _____



Motivations CEU
Accredited Courses for Rehabilitation Professionals

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ASHA CE
APPROVED PROVIDER

Motivations, Inc.

Intermediate Level
1.2 ASHA CEUs

SELF-STUDY

#325 THE PEDIATRIC BRAIN:

Functional Neurobiology and the Sensory
Systems: Application to Creative
Treatment and Functional Gains

Instructor:
Janine Wiskind, MS, OTR/L

A Workshop for Physical Therapist
and Occupational Therapist and Assistant
and Speech Therapist

12 hours

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SUMMARY: This course provides pediatric therapists with a deeper understanding of neurobiology's role in behavior, emotions, movement, development, and daily functioning in children. This four-part series includes:

Part 1: Neurobiology of the Sensory-Motor Systems and their Application to Treatment

Part 2: Neurobiology of Emotional Regulation and its Application to Treatment

Part 3: The Neurobiology of the Visual-Vestibular Systems

Part 4: Primitive Reflex Integration: Solidifying the Foundation in Your Pediatric Client

Therapists will learn how to assess and treat sensory challenges, applying these insights through play-based interventions that help children develop coordination, sensory integration, and visual-motor skills. Throughout the course, therapists will gain practical knowledge to immediately enhance their practice with creative, functional play activities that support development and therapeutic goals.

PRESENTER: Janine Wiskind MS, OTR/L engages her audience with her dynamic teaching style and makes intense information easy to understand and apply. For more than 20 years, she has worked as a pediatric occupational therapist. Beginning her career in brain injury, then moving into the school systems, she now operates her own pediatric clinic. Janine has always been fascinated with the “why” behind children’s behavior and the families that we treat. It is this curiosity and passion that inspires Janine to learn continuously herself: she continues to take classes and reads a plethora of books. She strives to share this knowledge through her classes and give therapists the tools, creativity, and curiosity to keep growing and becoming their best therapeutic selves for their clients. Janine has also ventured into parent coaching with an online platform to support the many parents who can benefit from understanding their children through the OT lens. www.janinewiskind.com *Financial*— Received a teaching honorarium and reimbursement for travel expenses from Motivations Inc. *Nonfinancial*— No relevant nonfinancial relationship exists.

FORMAT: This is a 12-hour lecture/discussion course equivalent to 12 or 1.2 CEUs. Motivations Inc is an approved provider by **The Texas Chapter of the APTA** and meets the guidelines for numerous other states. See our website for the listing of PT approved states.

ASHA Credits: This course is offered for 1.2 ASHA CEUs. (Intermediate level/Professional)

AGENDA:

#7306 Pediatric Brain Part 1: Neurobiology of the Sensory-Motor Systems and their Application to Treatment

OBJECTIVES: Upon completion of this course, the participant will be able to:

1. Order the various stages of the developing brain in utero.
2. Categorize specific areas of dysfunction in the brain stem, cerebellum, basal ganglia, and cerebral cortex and how they relate to performance and behavior.
3. Differentiate the role of the individual neurotransmitters in regulation, behavior, and function.
4. Classify the different strategies to improve sensorimotor skills in effort to improve play skills and participation.



Motivations Inc. is an AOTA Approved Provider of professional development. PD activity approval ID# 09441. This Distance Learning-Interactive or Distance Learning-Independent activity is offered at 0.3 CEUs, Intermediate Level, Occupational Therapy Service Delivery/Foundational Knowledge. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

Pre-Study: 30 Minutes

Plan to read the course

materials, references and review the post-test before the start time. Please be prepared to share patient case study and related question during the discussion time.

Pre-Recorded: 43 mins

- Neurotransmitters and their role in supporting regulation and behavior
- How does our brain develop in utero? (neurogenesis, migration, organization, synaptogenesis, pruning, and myelination)

5 mins Introduction

45 mins *Neurobiology of:*

- Brain stem (breathing, heart rate, sleep)
- Reticular Activating System (sensory impact)
- Cerebellum (balance, movement, muscle control)

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- Basal ganglia (motor control, behavior, emotion)

40 mins Neurobiology of:

- Cerebral cortex (frontal, parietal, temporal, and occipital lobes, sensory-motor development)
- Thalamus (sensory processing, learning, memory)
- Insula (behavior, pain, auditory, vestibular)

30 mins Therapeutic interventions to strengthen the body-brain connection and promote whole-brain development.

Post-test: 30 Minutes Research, identify, and submit your post-test question answers on the online form. This is an open book test you can take multiple times if needed to obtain the 70% score. Complete the evaluation feedback survey and needs assessment. Obtain and save your auto-emailed certificate for your files.

#7307 Pediatric Brain Part 2: Neurobiology of Emotional Regulation and its Application to Treatment

OBJECTIVES: Upon completion of this course, the participant will be able to:

1. Describe the neurobiology of the limbic system and its connection to emotional regulation
2. Identify the three levels of polyvagal theory and how they relate to behavior, emotional regulation, and engagement in occupations
3. Understand the role of the sympathetic and parasympathetic nervous systems
4. Utilize play-based treatment strategies to support under or over-responsivity of the somatosensory system
5. Develop play-based therapeutic interventions to support emotional regulation



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Pre-Study: 30 Minutes

Plan to read the course

materials, references and review the post-test before the start time. Please be prepared to share patient case study and related question during the discussion time.

Pre-Recorded:

- Neurotransmitters and their role in supporting regulation and behavior 25 minutes

5 mins Introduction

25 mins Neurobiology of the Limbic System: Amygdala, Cingulate Cortex, Hypothalamus, Thalamus, Insula, and Right Frontal Cortex

15 mins Autonomic Nervous Systems: Sympathetic and Parasympathetic Nervous Systems, Correlation to Posture, Importance of balance between the two systems

15 mins Polyvagal Theory: Dorsal Vagal, Ventral Vagal, and Sympathetic States. Relationship to treatment

20 mins Treatment Strategies to address Emotional Regulation: Breathe, Co-regulation therapeutic use of self, sensory regulation treatment ideas

40 mins The Somatosensory System: Neurobiology; tactile receptors, proprioceptive receptors, treatment strategies

Post-test: 30 Minutes Research, identify, and submit your post-test question answers on the online form. This is an open book test you can take multiple times if needed to obtain the 70% score. Complete the evaluation feedback survey and needs assessment. Obtain and save your auto-emailed certificate for your files.

#7308 The Pediatric Brain Part 3: The Neurobiology of the Visual-Vestibular Systems

OBJECTIVES: Upon completion of this course, the participant will be able to:

1. Correlate the neurobiology of the vestibular system to the functional implications on posture, coordination, regulation, emotion, and learning
2. Understand the neurobiology of the visual system and its correlation to functional vision skills

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3. Learn to effectively assess visual-vestibular skills in the pediatric client for play, feeding and mobility.
4. Develop vestibular-visual treatment strategies that support the functional skills of pediatric clients across various treatment settings.



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Pre-Study: 30 Minutes

Plan to read the course materials, references and review the post-test before the start time. Please be prepared to share patient case study and related question during the discussion time.

Pre-Recorded: The Neurobiology of the Visual System (40 minutes)

- Functional vision versus sight and why so many children are not getting needed support
- Visual pathways and associated areas of the brain
- Vision's role in posture

5 mins Introduction

35 mins *Neurobiology of the Vestibular System*

- Vestibular structures (utricle and semi-circular canals)
- Vestibular Pathways (lateral and medial vestibular tracts, vestibular cortex, cerebellum, and parietal-insular-vestibular cortex)
- Vestibular Ocular Reflex

10 mins *Assessing the Vestibular System*

- Postural tests, post-rotatory nystagmus, and dynamic visual acuity testing

15 mins Treatment Activities for the Vestibular System

5 mins Brief Overview of pre-recorded portion of the Neurobiology of the Visual System

30 mins *Visual System Assessment*

- Ocular Motor Skills: Gaze fixation, smooth pursuits, saccades, convergence, and accommodation
- Binocular fusion
- Brief discussion on visual perceptual and visual spatial skills

20 mins Visual System Treatment Ideas

10 mins Questions and Wrap-Up

Post-test: 30 Minutes Research, identify, and submit your post-test question answers on the online form. This is an open book test you can take multiple times if needed to obtain the 70% score. Complete the evaluation feedback survey and needs assessment. Obtain and save your auto-emailed certificate for your files.

#7326 The Pediatric Brain Part 4: Primitive Reflex Integration

OBJECTIVES: Upon completion of this course, the participant will be able to:

1. Summarize the importance of exploring primitive reflexes in the pediatric population.
2. Perform effectively an assessment of the presented primitive reflexes: Moro, Hands Pulling Reflex, Tonic Labyrinthine Reflex, Landau Reflex, Symmetric and Asymmetric Tonic Neck Reflex, Spinal Galant Reflex, Palmar Reflex, Babkin Palmomental Reflex, Babinski Reflex, and Plantar Reflex.
3. List at least 3 new therapy activities for each presented reflex.



Motivations Inc. is an AOTA Approved Provider of professional development. PD activity approval ID# 03118. This Distance Learning-Interactive or Distance Learning-Independent activity is offered at 0.3 CEUs, Intermediate Level, Occupational Therapy Service Delivery/Foundation Knowledge. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

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Pre-Study: 30 Minutes Plan to read the course materials, references and review the post-test before the start time. Please be prepared to share patient case study and related question during the discussion time.

Pre-Recorded Video 27 mins

- 5 min: Background of speaker & introduction into treating from a primitive reflex perspective.
- 25 min: Review of current research and occupational/physical therapy theories correlating to primitive reflex integration treatment.
- 90 min: Presentation of primitive reflexes including discussion about their role in development, dysfunction related to the retention of the reflex, and evaluation and treatment of the primitive reflex.

Post-test: 30 Minutes Research, identify, and submit your post-test question answers on the online form. This is an open book test you can take multiple times if needed to obtain the 70% score. Complete the evaluation feedback survey and needs assessment. Obtain and save your auto-emailed certificate for your files.