



Online Continuing Education Courses
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AOTA Approved Provider #4023

Course Title: Neurology UE 114

Sub-Title: Interventions for Clients with Movement Limitations

Course Description: Neurology UE 114, Interventions for Clients with Movement Limitations, is a 5-hour course designed for the clinician working with patients with movement limitations. This course will begin by reviewing different strategies and understanding the environment in which the patient needs to engage in functional movement. A variety of interventions and treatment suggestions will be emphasized. At the end of this course, the therapist will have a better understanding and be better prepared to choose whether somatosensory retraining, functional training, impairment training, augmented treatment interventions or any combination of these four will provide the client with the most environmentally effective, cost-efficient, and quickest map to functional independence in order to maximize functional independence.

Target Audience: OT/OTA

Course Length: 5 hours

Course Author/Instructor: Martin, PT, MACT, Kessler, PT, MHS /Brown, MS, OTR/L, CHT

Educational Level: Introductory, Intermediate, Advanced

The course is written at the intermediate level, but learners of all levels will benefit from the information.

Course Objectives:

At the conclusion of the course, participants will be able to:

- Appreciate the complexity of motor responses, and discuss methods used to influence body systems and their effects on functional behaviors.
- Outline the differences in recovery related to healing, compensation, substitution, habituation, and adaptation.
- Analyze the similarities and differences among impairment training of specific body systems, functional training, augmented feedback training, and learning-based sensorimotor retraining.
- Select appropriate intervention strategies to optimize desired outcomes.
- Analyze variables that may both positively and negatively affect complex motor responses and a patient's ability to participate in functional activities.
- Identify procedures and sequences required to attain the most successful therapeutic outcome that best meets the needs and goals of the client and the family.

- Consider the contribution of the client, the client's support systems, research evidence, neurophysiology, and the best practice standards available to optimize outcomes.

Outline of Content:

Hour #1

Treatment Strategies Categories

HISTORY OF DEVELOPMENT OF INTERVENTIONS FOR NEUROLOGICAL DISABILITIES

INTERVENTION STRATEGIES

Hour #2

Functional Training

The Effect of Functional Training on Task Performance and Participation

Selection of Functional Training Strategies

Body System and Impairment Training

Augmented Therapeutic Intervention

Proprioceptive System Integration of Stretch, Joint, and Tendon Receptors

Muscle Stretch Receptors

Tapping Positioning

Electrical Stimulation

Hour #3

Interventions

Treatment Suggestions

Proprioceptive Neuromuscular Facilitation

Manual Therapy

Exteroceptive or Cutaneous Sensory System

Combined Multisensory Approaches

Hour #4

Summary of Techniques Incorporating Auditory, Visual, Vestibular, Tactile, and Proprioceptive Senses

Innate Central Nervous System Programming

Holistic Treatment Techniques Based on Multisensory Input

Additional Augmented Interventions: Today's Focus

Hour #5

SOMATOSENSORY RETRAINING

Neural Mobilization

NATURAL ENVIRONMENTS AND QUALITY OF LIFE

Conclusions

Instructional Methods and Formats:

Online course available 24/7 at www.OnlineCE.com includes PDF downloadable course.

See course formats for additional details.

Course Completion Requirements:

A minimum passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful completion of course, you will receive your certificate of completion and AOTA eligible CEUs.

AOTA Classification Codes:

Category 1: Domain of OT

Category 2: Occupational Therapy Process

Category 3: Professional Issues

Additional Policies:

OnlineCE Policies are available by clicking on the tab – Policies – located in the left hand navigation bar.

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