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AOTA Approved Provider #4023

**Course Title:** Stroke Rehab 138

**Course Subtitle:** Neurologic Impairments and Their Treatments

**Source:** Stroke Recovery and Rehabilitation, 2<sup>nd</sup> ed.

Source Description: The definitive core text in its field, *Stroke Recovery and Rehabilitation* is a comprehensive reference covering all aspects of stroke rehabilitation from neurophysiology of stroke through the latest treatments and interventions for functional recovery and restoration of mobility. This second edition is completely updated to reflect recent advances in scientific understanding of neural recovery and growing evidence for new clinical therapies.

The second edition provides in-depth information on the assessment and management of all acute and long-term stroke-related impairments and complications including cognitive dysfunctions, musculoskeletal pain, and psychological issues.

It examines risk factors, epidemiology, prevention, and neurophysiology as well as complementary and alternative therapies, functional assessments, care systems, ethical issues, and community and psychosocial reintegration.

With contributions from over 100 acknowledged leaders from every branch of the stroke recovery field, this edition features expanded coverage of key issues such as the role of robotics and virtual reality in rehabilitation. New chapters have been incorporated to cover fields of recent exploration including transcranial magnetic stimulation, biomarkers, and genetics of recovery as well as essentials like the use of medication and the survivor's perspective. The up-to-date presentation of scientific underpinnings and multi-specialty clinical perspectives from physical medicine and rehabilitation, neurology, physical therapy, occupational therapy, speech and language pathology, and nursing ensures that *Stroke Recovery and Rehabilitation* will continue to serve as an invaluable reference for every health care professional working to restore function and help stroke survivors achieve their maximum potential.

See course outline below for details and inclusive content in Stroke Rehab 138 course.

**Target Audience:** OT/OTA, PT/PTA and other healthcare professionals

**Course Length:** 6 hours

**Course Author/Instructor:** Joel Stein, MD / Brown, MS, OTR/L

**Educational Level:** Introductory, Intermediate, Advanced

## **Course Objectives:**

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

- Outline and describe 3 characteristics of each cortical aphasia
- Describe 5 different approaches to aphasia rehabilitation
- Describe characteristics and treatment for apraxia of speech and dysarthria
- Describe the 4 stages of swallowing and critical components of each stage
- Cite 3 key components in the evaluation and assessment of dysphagia
- Review and describe 5 syndromes that result from right hemisphere effected stroke
- Describe 3 emotional communication disorders that result from right hemisphere stroke
- Summarize and describe the scope and spectrum of poststroke cognitive dysfunction
- Analyze and describe 3 ways to manage poststroke cognitive dysfunction
- Outline and differentiate the clinical characteristics of central poststroke pain

## **Outline of Content:**

### **Hour #1**

#### **Aphasia, Apraxia of Speech and Dysarthria**

##### **APHASIA**

Language components

Aphasia syndromes

Syndrome classification

Recovery and prognosis

Factors affecting prognosis

Approaches to aphasia rehabilitation

Efficacy of aphasia treatment

Treatment outcomes

##### **APRAXIA OF SPEECH**

##### **CHARACTERISTICS OF AOA**

Assessment of AOS

Treatment of AOS

Efficacy of treatment for AOS

### **Hour #2**

##### **DYSARTHRIA**

Classifying the Dysarthrias

UUMN Dysarthria

Spastic dysarthria

Flaccid dysarthria

Ataxic dysarthria

Mixed dysarthria

Assessment of dysarthria

Treatment and efficacy

### **Hour #3**

#### **Dysphagia**

EPIDEMIOLOGY

SWALLOWING PHYSIOLOGY

Swallowing stages

NEURAL CONTROL OF SWALLOWING

SWALLOWING IN ELDERLY

Evaluation

Screening

Instrumental assessment tools

Treatment

Surgical and pharmacological management

#### **Right Hemispheric Neurobehavioral Syndromes**

RIGHT HEMISPHERIC NEUROBEHAVIORAL SYNDROMES

NEGLECT AND RELATED DISORDERS

### **Hour #4**

EMOTIONAL COMMUNICATION DISORDERS

VISUOSPATIAL FUNCTIONS

CONCLUSIONS

#### **Memory, Executive Function and Dementia**

POSTSTROKE COGNITIVE DYSFUNCTION: SCOPE OF PROBLEM

THE SPECTRUM OF POSTSTROKE COGNITIVE DYSFUNCTION

MANAGEMENT OF POSTSTROKE COGNITIVE DYSFUNCTION

#### **Central Poststroke Pain**

HISTORICAL PERSPECTIVES

DEFINITION

CLINICAL CHARACTERISTICS

### **Hour #5**

DIFFERENTIAL DIAGNOSIS

ANATOMY AND PATHOPHYSIOLOGY

TREATMENT

#### **Visual, Ocular Motor and Vestibular Deficits**

VISUAL SYSTEM

KEY AREAS OF VISUAL IMPACT

VISUOSPATIAL PERCEPTION DEFICITS

VISUAL ACUITY

EYE MOVEMENTS DISORDERS

### **Hour #6**

REHABILITATION STRATEGIES  
VESTIBULAR REHABILITATION AFTER STROKE  
BASIC PATHOPHYSIOLOGIC MECHANISMS  
ASSESSMENT OF VESTIBULAR FUNCTION  
VESTIBULAR REHABILITATION THERAPY  
BENIGN POSTIONAL VERTIGO

**Instructional Methods and Formats:**

Online course available 24/7 at [www.OnlineCE.com](http://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 the 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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