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AOTA Approved Provider #4023

**Course Title:** Hand Therapy 108

**Sub-Title:** Nerve Entrapment Syndromes

**Course Description:** Hand Therapy 108, Nerve Entrapment Syndromes, is a 3-hour course designed for the intermediate to advanced clinician working with patients with upper extremity and nerve compression syndromes. This course begins with an overview and classification of various types of nerve lesions. Normal anatomy of peripheral nerves including the radial nerve, ulnar nerve, median nerve and cutaneous nerves will be discussed along with information related to presenting symptoms of entrapment, etiology, differential diagnosis, conservative and surgical management. At the end of this lesson, the learner will have a comprehensive understanding of common entrapment syndromes, including, but not limited to radial tunnel syndrome, pronator syndrome and anterior interosseous syndrome.

**Target Audience:** OT/OTA

**Course Length:** 3 hours

**Course Author/Instructor:** Spinner, MD / Brown, MS, OTR/L, CHT

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

**Course Objectives:**

- Describe the neurophysiology of nerve compression injury
- Outline the relevant anatomy of the median, ulnar and radial nerves
- Discuss differential diagnosis and nerve compression injury
- Become familiar with the preferred method of exposure for the 3 major peripheral nerves
- Define and differentiate nerve compression injuries
- List clinical presentations of each nerve compression injury

**Outline of Content:**

**Hour #1**

NERVE ENTRAPMENT SYNDROMES

INTRODUCTION

NEUROPHYSIOLOGY OF NERVE COMPRESSION LESIONS

RADIAL NERVE

Relevant Anatomy  
Posterior Interosseous Nerve Syndrome  
Resistant Tennis Elbow (Radial Tunnel Syndrome)  
Preferred Operative Exposure for the Entire Course of the PIN

### **Hour #2**

#### ULNAR NERVE

Relevant Anatomy  
Etiology  
Clinical Presentation  
Differential Diagnosis  
Conservative Treatment  
Operative Treatment  
Preferred Operative Exposure for Simple Decompression of the Ulnar Nerve  
Preferred Operative Exposure for Anterior Transposition of the Ulnar Nerve

#### MEDIAN NERVE

Relevant Anatomy  
Supracondylar Process

### **Hour #3**

Pronator Syndromes  
Anterior Interosseous Nerve Syndrome  
Preferred Treatment for Exposure of the Median Nerve

#### CUTANEOUS NERVES

Lateral Antebrachial Nerve  
Medial Antebrachial Cutaneous Nerve  
Posterior Antebrachial Cutaneous Nerve

### **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 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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