



Online Continuing Education Courses
www.OnlineCE.com



AOTA Approved Provider #4023

Course Title: Splinting 101

Sub-Title: Anatomic and Biomechanical Principles of Splinting

Target Audience: OT/OTA

Course Length: 2 hours

Course Author/Instructor: Coppard, PhD, OTR/L, 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:

- Define the anatomical terminology used in splint prescriptions
- Relate anatomy of the upper extremity to splint design
- Identify arches of the hand
- Identify creases of the hand
- Articulate the importance of the hand's arches and creases to splinting
- Recall actions and nerve innervations of upper extremity musculature
- Differentiate prehensile and grasp patterns of the hand
- Apply basic biomechanical principles to splint design
- Describe the correct width and length for a forearm splint
- Describe uses of padding in a splint
- Explain the reason splint edges should be rolled or flared
- Relate contour to splint fabrication
- Describe the change in skin and soft tissue mechanics with scar tissue, material application, edema, contractures, wounds, and infection

Outline of Content:

Hour #1

Anatomical Review for Splinting

Wrist Joint

Extrinsic Muscles of the Hand

Hour #2

Arches of the Hand

Grasp and Prehensile Patterns

Biomechanical Principles of Splinting

Direction of Stress

Contour

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.

OnlineCE.com is an AOTA Approved Provider of continuing education. AOTA does not endorse specific course content, products, or clinical procedures.