



Course Title: Kinesiology 104 – Kinesiology of the Hand

Course Description: Kinesiology 104, Kinesiology of the Hand, is a 4-hour course designed for the clinician interested in exploring the link between structure and function of the musculoskeletal system. This comprehensive, research-based course reveals the fundamental principles and kinesiology of the hand before moving onto more complex material. Clinical concepts and connections to clinical application will also be emphasized. At the end of this course, the clinician will have a more thorough and confident understanding of kinesiology which is fundamental to designing safe and effective treatment plans.

Target Audience: OT / OTA and other healthcare professionals

Course Type: Video vs. Text-based

Educational Level: Beginner, Intermediate, Advanced

CE Hours: 4 contact hour / .4 ceu

Course Prerequisites: None

Course Author / Instructor: Neumann, PT, PhD, FAPTA / Brown, MS, OTR/L, CHT

Learning Objectives:

- Recognize acute situations for which homeopathic remedies are appropriate and effective
- Apply limited homeopathic remedies to acute care situations that arise in practice and day- to-day life
- Evaluate methods of application of homeopathic remedies to fit the situation at hand
- Distinguish between the available homeopathic remedies for a specific situation in order to select the most appropriate remedy for the individual
- Use homeopathic remedies in concert with existing therapeutic training

Agenda:

Hour #1

TERMINOLOGY OSTEOLOGY

Metacarpals Phalanges

Arches of the Hand

ARTHROLOGY

Carpometacarpal Joints

Second through Fifth Carpometacarpal Joints

Carpometacarpal Joint of the Thumb

Metacarpophalangeal Joints

Hour #2

Fingers Thumb Interphalangeal Joints

Fingers Thumb

MUSCLE AND JOINT INTERACTION

Innervation of Muscles, Skin, and Joints of the Hand

Muscle and Skin Innervation

Sensory Innervation to the Joints

Muscular Function of the Hand

Hour #3

Extrinsic Flexors of the Digits

Extrinsic Extensors of the Fingers

Extrinsic Extensors of the Thumb

Intrinsic Muscles of the Hand

Interaction of the Extrinsic and Intrinsic Muscles of the Fingers

Opening the Hand: Finger Extension Closing the Hand: Finger Flexion

HAND AS AN EFFECTOR ORGAN

Hour #4

JOINT DEFORMITIES TYPICALLY CAUSED BY RHEUMATOID ARTHRITIS

Zigzag Deformity of the Thumb

Destruction of the Metacarpophalangeal Joints of the Finger

Palmar Dislocation of the Metacarpophalangeal Joint

Ulnar Drift, Zigzag Deformities of the Fingers

Swan-Neck Deformity

Boutonniere Deformity

Course Completion Requirements:

A 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 and completing a satisfaction survey, you will receive your certificate of completion.

Additional Course Information

Course Registration: Register for Free at www.OnlineCE.com. Once registered, you can begin to purchase courses. Contact info@onlinece.com for special needs requests and assistance.

Refund Policy: There will be no refunds for courses taken at OnlineCE.com or monies deposited into My CE Bank. Any money on account will be used for taking future courses. If you start a course in error, or if you are dissatisfied with a course, please contact us in the first part of the course and we will void the course and you can select a replacement course.

Cancellation Policy: Only available courses are offered online and on-demand and available for purchase. No registration fees are collected for courses that are not provided on-demand. Due to the online and on demand format, courses are not cancelled.

Course Date and Location: This is an independent course that is available 24/7 on-demand at www.OnlineCE.com.

Required Materials and Equipment: Courses offered on OnlineCE.com can be accessed on any type of computer or device. No special software is required but we do recommend the use of the Chrome Browser (recommended, not required). All course materials are contained within the courses and no prerequisites are required.



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