

## **Title: FMT Vibration Specialist**

### **CEU CREDITS: 4 hours**

CEUs may be offered for PT, DC, ATC, OT, LMTs, Lac, and other health/fitness professionals – depending on location and class type.

**Prerequisite:** None

### **COURSE SUPPLIES & RECOMMENDATIONS FOR PARTICIPANTS:**

All supplies for this course are provided for attendees. (Vibration massage device, vibration cups). In addition, digital course manuals will be provided. Participants should arrive with comfortable clothing to allow for full range of motion and application of massager, cups and tape. Participants are responsible for snacks, lunches, drinks, and writing materials.

### **COURSE DESCRIPTION:**

FMT **Vibration Specialist** course amalgamates manual therapy and vibration science to create simple and effective non-opioid, neuro musculoskeletal (NMSK) *treatment and selfcare programs for the manual and movement professional as well as the athlete. NMSK injuries are one of the leading causes of disability in the United States.*

Discover why using vibration-based therapies are effective interventions for pain management, improving mobility and movement dynamics. A holistic (whole person) approach to movement and functional rehabilitation will be presented to aid in identifying key areas of compromise within the NMSK system. This course is an evidence-informed rehabilitation program that redefines our understanding of the effects of vibration in conjunction with traditional manual therapies (myofascial cupping, local/targeted massage) on pain mitigation, injury recovery/prevention and movement.

The primary goal of this course is to help PT's, OT's, DC's, ATC's, LMT's, other movement therapists and athletes identify and address common NMSK injuries with an innovative functional reappraisal process that includes an external and internal remapping process to help a patient/client reengage in meaningful movement with more confidence and less pain.

This course is intended for health and wellness professionals with all levels of experience of rehabilitation programming and taping. The cost of this course includes a vibration massager kit, vibration cup set, and a roll of kinesiology tape. All supplies needed for the course are provided.

Functional Movement Training (FMT) courses are led by industry leading experts in movement assessment and therapy.

### **Education Objectives of FMT Vibration Specialist Course: At the conclusion of the course, attendees will be able to:**

1. Discuss the role of a systematic approach to pain management, mobility, motor control and stability with the goal of movement enhancement.
2. Discuss and experience the neuro-psycho-physiological effects of different frequencies of vibration

3. Demonstrate functional use of vibration tools (compressive and decompressive) and understand their role and use for the applications of rehabilitation, edema management, injury recovery, posture and dynamic movement management
4. Demonstrate and discuss the new understanding of manipulating the 'neuromyofascial' system.
5. Demonstrate and discuss the use of vibration massager and vibrating cups with a psycho-social approach to care
6. Discuss and implement a 'somatic reappraisal process' to identify and address neuro-psychosocial symptoms associated with the NMSK dysfunction.
7. Implement systematic approach to treatment/training of common NMSK conditions with a process that includes scanning, connecting, and rippling (following fascial chains).
8. Integrating multiple breathing patterns to help facilitate positive NMSK outcomes.
9. Introduce and discuss how therapists can guide patients/clients in exploring the interoceptive aspects of the pain experience.

## **FMT Vibration Specialist - COURSE OUTLINE & SCHEDULE**

### **Hour One**

- Brief outline of the course; the topics that will be covered, practical/case studies
- Identifying the problem – MSK Injury statistics (Burden of Disease Data)
- Introduction of FMT Movement Pyramid
- History of vibration therapy
- Present and Future of vibration therapy as it pertains to human movement and the pain experience
- Touch science review. Exteroceptive, interoceptive and kinesthetic components to touch.

### **Hour Two**

- Vibration Science
  - Risk Prevention
  - Research – Vibration effects on pain, human movement, special populations and performance
  - General Vibration Application Rules (Indications/Contraindications)
  - Focal Vibration Therapy – General Technique Considerations
    - Definitions
    - Dosage Parameters – Frequency, Depth, Tissue Position/Tone,
    - Scan, Connect, Ripple Approach (Zones)

### **Hour Three**

- Effects of Compression and Vibration on the human body
- Mechanisms
- Mechanical Effects
- Fluid/Vascular Effects
- Chemical/Hormonal Effects
- Skin-brain Connection
- Psychological Effects
- Layered Approach – Stacking/Layered Approach
  - Connecting to the Body

- Connecting to the Brain
- Connect to the Mind (Limbic System)
- Connect with Movement

#### Hour Four

- Clinical Approach: Demonstration of the FMT Stack – Layered Approach to Therapy
  - Demo: Painting the Area: Novel and Safe Inputs to the Nervous System
  - Demo: Connect to Stimulus (Combination Vibration Therapy - Compressive/Decompressive Stacking)
  - Demo: Non-Judgmental Interpretation (What do you Feel?)
    - Psycho-Social Tactics
      - Task Positive Network – How to Influence Affective Aspects of Pain and Movement.
  - Demo: Breath Stacking – adding breath into the treatment experience
  - Demo: Meaningful Movement Reintroduction

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#### **TEACHING METHODS USED:**

1. Power Point Presentation
2. Demonstration
3. Small Group/Partner Practice Sessions