**TARGET AUDIENCE:**

**DAY 1:** Orthopedic Developmental Processes

**DAY 2:** LE Torsional Changes Assessments, Management

**LEVEL:** INTERMEDIATE

(PRE-COURSE READINGS ARE ASSIGNED)

**DATES:** APRIL 11 & 12, 2021

**DAY 1:** 8AM-4:30PM EST

**DAY 2:** 8AM-5PM EST

**Continuing Education Units:**

**DAY 1:** 7 Contact HRS

**DAYS 1 & 2:** 14.25 Contact HRS

**APPROVED BY NYSED PT STATE BOARD, IL, ACEND, ABC & AOTA**

*NJ PT APPROVAL PENDING*

This course content is not intended for use by any participants outside the scope of their license or regulation

**COURSE FEES:**

**DAY 1:** $215 Available only to OTs

**GROUP RATE (MIN 4):** $200 each

**DAYS 1 & 2:** $315

**GROUP RATE (MIN 4):** $300

**TO REGISTER:**

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**A REVIEW OF DEVELOPMENTAL ORTHOPEDICS**

**A REVIEW OF OPERATING PROCESSES WITH IMPLICATIONS FOR MANAGEMENT**

**INSTRUCTOR:** Beverly Cusick, PT, MS, NDT, COF/BOC

**Course Objectives:**

- Distinguish between strain and load in skeletal modeling.
- Describe the influences of compression, tension, and shear loads on developing bones and joints.
- Relate postural control acquisition to limb use and orthopedic development.
- Explain the somatosensory benefits of optimizing the postural base of support.
- Identify features of ideal and pathological torso and limb alignment at different stages of development.
- Describe the influence of typical neonatal lower limb alignment on motor skills acquisition.
- Explain the influences of foot pronation/supination on bodyweight displacements.
- Relate competent and compromised weight shifting to emerging limb use.
- Describe the swing limb torque generator in gait & relate it to changes in long bone torsion.
- Explain the relationship between the innate drive for verticality, functioning bodyweight carriage, and the development of common LE contractures.
- Name 4 LE musculoskeletal assessments that can identify the source of the foot progression angle in gait.
- Differentiate between femoral anteversion & antetorsion & explain how that distinction relates to the safe use of orthotic & therapeutic interventions.
- Discuss the role of the foot in orthopedic development.
- Distinguish typical from pathological features of developing lower limb alignment in the first 8 years.