



Take the Mystery out of Gait: 4 Simple Steps to Becoming an Expert

Student Objectives:

1. The student will identify the basic biomechanical principles of the foot and lower extremity as a function of gait, and recognize the affect pathological foot conditions have upon normal gait.
2. The student will be able to differentiate between a compensated and uncompensated rearfoot varus deformity and their affect on gait.
3. The student will demonstrate the ability to recognize the affect forefoot varus and valgus deformities have upon gait.
4. The student will demonstrate the ability to differentiate between common pathological foot-types.
5. The student will recognize the relationship between pathomechanical foot-types and various differentially diagnosed foot conditions.
6. The student will demonstrate the ability to recognize key weight-bearing compensations specific to rearfoot and forefoot deformities.
7. The student will demonstrate the ability to recognize specific foot types via assessment of digital gait videos.
8. The student will demonstrate the ability to select the appropriate orthotic design and selection based on pathological foot-type, as well as fit pre-fabricated devices specific to foot-type in a lab setting.
9. The student will gain a better understanding of normal development of the adult foot and when treatment may be indicated for common pediatric foot and conditions that can arise, like developmental flat foot and torsional deformities.
10. The student will gain a better understanding of some individual case studies. Including a review of foot type, pathology, gait and appropriate orthotic treatment options.