Learning Objectives

MedBridge
Scientific Basis for Orthosis Prescription to Improve Gait in Children
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Course Objectives:

Upon completion of this course, learners will be able to:

- Design a PT examination that recognizes the implications of the interrelationship between body center of mass displacement and foot/ankle motion during the stance phase of gait.
- Develop a plan of care that considers the implications of the interrelationship between body center of mass displacement and foot/ankle motion during the stance phase of gait.
- Detect instances when atypical motion of a joint, crossed by a multi-joint extrinsic foot muscle, impairs the motion of another joint crossed by that same muscle.
- Discriminate between gait deviations that can and cannot be affected by modifying the configuration of the toe break
- Differentiate between a Shank Vertical Angle (SVA) that will optimize proximal alignment and one that will not.