
Learning Objectives

MedBridge Education
Motor Control, Motor Learning and Gait Recovery after Stroke
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Upon completion of this course, the online learner will be able to:

Chapter 1: Motor Control

- Define the basic concepts of motor control and the implications for clinical practice.
- Outline a framework for the most effective theory of motor control.

Chapter 2: Motor Learning

- Define the basic concepts of motor learning and the implications for clinical practice.
- Discuss practical clinical applications in regards to motor learning.

Chapter 3: Putting it Together in the Clinic: Task Analysis

- Discuss the terms task-specific and task-analysis and how they impact clinical decision-making.
- Outline your role as a therapist in utilizing the task-analysis approach.

Chapter 4: Structuring Practice to Promote Motor Learning

- Outline how to structure the most effective practice to promote motor learning.
- Discuss your role in facilitating motor learning.

Chapter 5: Gait After Stroke, Gait Treatment After Stroke, Applying the Principles

- Define the basic features of gait after stroke. Outline what the literature details on gait treatment after stroke.
- Discuss approach option for gait treatment after stroke.

Chapter 6: Locomotor Treadmill Training and Early Standardized Task-Specific Training

- Explain the basic principles of locomotor treadmill training (LTT) and how they apply to stroke.
- Understand what LTT looks like in the clinical setting.
- Discuss how to use the principles in the clinic with persons in the acute phase of recovery, as well as with persons in the sub-acute and chronic phases of recovery.