
Learning Objectives

MedBridge
Clinical Management of Cerebellar Dysfunction
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Course Objectives:

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

- Explain the basis for an internal model for well-learning motor tasks
- Describe error-based learning
- Contrast feed-forward with feedback control
- Summarize evidence that supports whether learning/re-learning can occur with CD
- Describe normal cerebellar adjustment to limb dynamics prior to and during ongoing movement
- Discuss how visual sampling assists with gait tasks
- Explain the influence of CD on limb dynamics
- Describe the effect of dysmetric eye movement on gait
- Summarize clinical balance/gait features of cerebellar disorders
- Summarize current evidence for physical therapy interventions
- Prioritize important elements of the neurologic examination for the person with CD
- Describe the Scale for Assessment and Rating of Ataxia (SARA) and the International Cooperative Ataxia Rating Scale (ICARS)
- Delineate evidence-based intervention principles for the person with CD
- Synthesize physical therapy examination results to prioritize problems and treatment for an individual with significant CD
- Develop a comprehensive treatment plan to address balance and gait disturbance due to CD