

Clients with Cerebellar Dysfunction

Course Description:

Cerebellar dysfunction is frequently seen in clients who have neurological conditions including head trauma, multiple sclerosis, stroke, and alcoholic syndrome. This complex disorder requires the therapist to have a keen understanding of cerebellar anatomy and physiology in order to accurately assess movement disorders and provide appropriate treatment. This course will provide Physical Therapists and Physical Therapist Assistants with a comprehensive guide to understanding cerebellar dysfunction and helpful ideas for treatment goals and treatment techniques.

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Course Objectives:

Course Participants will be able to:

- A. Identify and discuss the anatomy, physiology and function of the cerebellum.
- B. Identify the signs and symptoms of cerebellar disorders.
- C. Explain the physiology responsible for the clinical presentation of patients with cerebellar disorders.
- D. Describe the relationship between the cerebellum and other parts of the brain and how the important feedback loops affect movement.
- E. Select appropriate interventions for patient with a cerebellar disorder based upon potential for plasticity, principles of motor learning, as well as the patient's lifestyle and professional goals.¹

CEU Approvals:

For information on specific state approval of this course, refer to On.Line PT CEUs "About State Approvals" page.

¹Umphred, Darcy A., *Neurological Rehabilitation*, fifth edition, St. Louis Missouri, 2007, Mosby, Inc, an affiliate of Elsevier, Inc. Chapter 26: Clients with Cerebellar Dysfunction by Marsha E. Melnick, p 834.