

The Pettibon System™

Proven spine and posture correction

Neurology

Content Listing & Educational Objectives

Part I

- Neuron theory
- Neuro-anatomical muscle structure and function
- Hemispheric dominance and relationships to treatment
- Functional examination and documentation
- Introduction to 7 levels of neurological lesions of the CNS/PNS
- Introduction to ocular head tilts
- Integration of hemispheric dominance as it relates to treatment
- Physiological exams to determine success or failure of treatment protocols
- Basis of spinal mobilizations
- Interpreting neurological examination results

Neurology—Part I will enable participants to meet the following educational objectives:

- Identify how the neuron works and its importance to The Pettibon System.
- Identify how muscle structure and function applies to spinal mobilization and the hemispheric brain.
- Conduct the functional examination and document when and how much patients can tolerate of the treatment protocols in a clinic visit or the performance of home care rehabilitation.
- Identify how the integration of spinal mobilization and hemispheric dominance relates to treatment causing improvement or failure.

Part II

- Review of Part I content
- Actions potentials, Na/K+ pump
- Basic spinal cord anatomy
- Basic cerebellar anatomy
- Muscle function's integration with the spinal cord and cerebellum
- Type I, type II mechano-receptors and their functions
- Extremity mobilization as it applies to clinical neurology
- Cortical output systems
- Extra pyramidal systems

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- Pontine reticular formation outputs
- How PMRF relates to postural disturbances
- Autonomic output of PMRF

Neurology—Part II will enable participants to meet the following educational objectives:

- Identify how muscle function integrates with the spinal cord and cerebellum.
- Identify how clinical neurology applies to the position, function, and mobilization of extremities.

Part III

- Review of Part II content
- Common spinal cord compression syndromes
- Vestibular system anatomy
- Vestibular system ascending and descending outputs
- Vestibulo-cerebellar patterns and how The Pettibon System affects them
- Reporting and communicating with other healthcare providers

Neurology—Part III enables participants to meet the following educational objectives:

- Apply tools to alter hemispheric dominance.
- Conduct tests to determine physiological health of the vestibular system.
- Conduct tests to determine physiological health of the cerebellar system.
- Examine spinal cord compression syndromes.
- Identify the documentation requirements and ways to most effectively communicate with other healthcare providers.
- Correlate neurological findings with postural and radiographic findings.

Part IV

- Review of Part III content
- Determining the need for outside diagnostic testing—MRI, CT, NCV's
- Examination for the 7 levels of neurological lesion; their verification, and triangulating neurological information to arrive at diagnostic criteria for treatment
- Shunt/spurt muscle activity as it relates to rehabilitation
- Case presentations

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Neurology—Part IV enables participants to meet the following educational objectives:

- Identify how The Pettibon System's treatment protocols, mobilization procedures, instruments, and rehabilitation equipment and exercises apply neurological function.
- Back-up recommendations for outside testing and referrals with defensible documentation.
- Identify how the diagnostic criteria are determined for the treatment of neurological lesions.
- Review case studies, demonstrating an understanding of neurology anatomy, function, theory, and practical application.