

# Clinical Electrophysiology MOSC Exam Content Outline and References List

## MOSC Exam Content Outline

<b>1 Knowledge Basic Science</b>	<b>15</b>
A. Instrumentation	
B. Clinical EMG related anatomy and physiology	
C. Pathophysiology of Peripheral Mononeuropathies	
D. Clinical EDX Reports – Hx, PMH, Data, impression and clinical correlates	
E. Pathophysiology of Radiculopathies vs Plexopathies	
F. Pathophysiology of neuromuscular diseases: <ol style="list-style-type: none"> <li>1. acute polyneuropathy (e.g., GBS)</li> <li>2. chronic polyneuropathy</li> <li>3. Myopathic disorders</li> <li>4. Neuromuscular junction disease</li> </ol>	
<b>2 Patient Management</b>	<b>70</b>
A. Clinical EDX Reports – Hx, PMH, Data, impression and clinical correlates	
B. Clinical Examination and EDX Peripheral Mononeuropathies	
C. Clinical Examination and EDX of Radiculopathies vs Plexopathies	
D. Clinical examination and EDX of neuromuscular diseases <ol style="list-style-type: none"> <li>1. acute polyneuropathy (e.g., GBS)</li> <li>2. chronic polyneuropathy</li> <li>3. Myopathic disorders</li> <li>4. Neuromuscular junction disease</li> </ol>	
<b>3 Professional Roles and Responsibilities</b>	<b>15</b>
A. HIPPA: general knowledge	
B. Working with health care team	
C. Infection control	
D. Safety	
	<b>100</b>

For additional details on these exam content domains, review chapter 2 of your provided **Description of Specialty Practice**.

## Resource and Reference Access Tips When Preparing for and Taking the MOSC Exam

Test-takers have multiple resources available to them for studying:

- “[Bookshelf](#),” a collection of online government reports and books, is accessible via [PubMed](#) (resource freely accessible).
- PubMed Central, known as [PMC](#), contains 9.2 million full text articles (resource freely accessible).
- APTA members have additional access to scientific literature via [APTA Article Search](#) databases and [Rehabilitation Reference Center](#) (RRC). APTA Article Search includes access to more than 5,000 journals in full text, plus more than 9 million health care articles through our discovery service. RRC contains 800+

clinical summaries about health conditions that physical therapists see regularly in the clinic, plus a small collection of reference books; take the short 5-minute RRC [tutorial](#) to learn more. Questions? Message [articlesearch@apta.org](mailto:articlesearch@apta.org).

## Suggested Reference list for MOSC Exam

The following list was developed by the members of the Clinical Electrophysiologic Specialty Council as a guide to suggested references/resources to prepare for the MOSC exam. These resources were identified to provide an example of resources offering the most up-to-date and evidenced-based practice while also being widely used in clinical electrophysiologic physical therapy practice.

1. Kimura J. *Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice 4th Edition*. 4th ed. Oxford University Press, USA; 2013.
2. Dumitru D, Amato AA, Zwarts M. *Electrodiagnostic Medicine*. 2nd ed. Hanley & Belfus; 2001.
3. Preston DC, Shapiro B. *Electromyography and Neuromuscular Disorders: Clinical-Electrophysiologic-Ultrasound Correlations / Edition 4*. Elsevier; 2021.
4. Journal: Muscle and Nerve
5. Journal: American Journal of Physical Medicine and Rehabilitation
6. Journal: Neurology
7. AANEM: Practice Parameters/Minimonographs (<https://www.aanem.org/clinical-practice-resources/guidelines>)

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