

# Neurologic MOSC Exam Content Outline and References List

## MOSC Exam Content Outline

1 Knowledge	20
A. Foundation Sciences	
B. Behavioral Science	
C. Clinical Sciences	
D. Clinical Reasoning and Critical Inquiry	
2 Professional Roles, Responsibilities, and Values	10
A. Communication	
B. Education	
C. Consultation	
D. Evidence-Based Practice	
E. Prevention, Wellness, and Health Promotion	
F. Social Responsibility and Advocacy	
G. Leadership	
H. Professional Development	
3 Patient/Client Management Model	70
A. Patient and Client Examination	
B. Intervention	
C. Outcomes	
	100

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 Neurologic 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 neurologic physical therapy practice.

Stroke
Kleindorfer DO, Towfighi A, Chaturvedi S, et al. 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack: A Guideline From the American Heart Association/American Stroke Association [published correction appears in <i>Stroke</i> . 2021 Jul;52(7):e483-e484]. <i>Stroke</i> . 2021;52(7):e364-e467. doi:10.1161/STR.0000000000000375
Powers WJ, Rabinstein AA, Ackerson T, et al. Guidelines for the Early Management of Patients With Acute Ischemic Stroke: 2019 Update to the 2018 Guidelines for the Early Management of Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association [published correction appears in <i>Stroke</i> . 2019 Dec;50(12):e440-e441]. <i>Stroke</i> . 2019;50(12):e344-e418. doi:10.1161/STR.0000000000000211
Rabi DM, McBrien KA, Sapir-Pichhadze R, et al. Hypertension Canada's 2020 Comprehensive Guidelines for the Prevention, Diagnosis, Risk Assessment, and Treatment of Hypertension in Adults and Children. <i>Can J Cardiol</i> . 2020;36(5):596-624. doi:10.1016/j.cjca.2020.02.086
Teasell R, Salbach NM, Foley N, et al. Canadian Stroke Best Practice Recommendations: Rehabilitation, Recovery, and Community Participation following Stroke. <i>Part One: Rehabilitation and Recovery Following Stroke</i> ; 6th Edition Update 2019. <i>Int J Stroke</i> . 2020;15(7):763-788. doi:10.1177/1747493019897843
Website: <a href="#">Stroke EDGE II</a>
Brain Injury
Carney N, Totten AM, O'Reilly C, et al. Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition. <i>Neurosurgery</i> . 2017;80(1):6-15. doi:10.1227/NEU.0000000000001432
Disability, Independent Living, and Rehabilitation Research [published correction appears in <i>Neurology</i> . 2019 Jul 16;93(3):135]. <i>Neurology</i> . 2018;91(10):450-460. doi:10.1212/WNL.0000000000005926
Eapen BC, Bowles AO, Sall J, et al. The management and rehabilitation of post-acute mild traumatic brain injury. <i>Brain Inj</i> . 2022;36(5):693-702. doi:10.1080/02699052.2022.2033848
Giacino JT, Katz DI, Schiff ND, et al. Practice guideline update recommendations summary: Disorders of consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research [published correction appears in <i>Neurology</i> . 2019 Jul 16;93(3):135]. <i>Neurology</i> . 2018;91(10):450-460. doi:10.1212/WNL.0000000000005926
Quatman-Yates CC, Hunter-Giordano A, Shimamura KK, et al. Physical Therapy Evaluation and Treatment After Concussion/Mild Traumatic Brain Injury. <i>J Orthop Sports Phys Ther</i> . 2020;50(4):CPG1-CPG73. doi:10.2519/jospt.2020.0301
Silverberg ND, Iaccarino MA, Panenka WJ, et al. Management of Concussion and Mild Traumatic Brain Injury: A Synthesis of Practice Guidelines. <i>Arch Phys Med Rehabil</i> . 2020;101(2):382-393. doi:10.1016/j.apmr.2019.10.179
<a href="#">VA/DoD Clinical Practice Guideline for the Management and Rehabilitation of Post-Acute Mild Traumatic Brain Injury (mTBI) Version 3.0</a>
Eapen BC, Bowles AO, Sall J, et al. The management and rehabilitation of post-acute mild traumatic brain injury. <i>Brain Inj</i> . 2022;36(5):693-702. doi:10.1080/02699052.2022.2033848
Website: <a href="#">TBI EDGE</a>

<b>Spinal Cord Injury</b>
Gerber LH, Deshpande R, Prabhakar S, et al. Narrative Review of Clinical Practice Guidelines for Rehabilitation of People With Spinal Cord Injury: 2010-2020. <i>Am J Phys Med Rehabil.</i> 2021;100(5):501-512. doi:10.1097/PHM.0000000000001637
Martin Ginis KA, van der Scheer JW, Latimer-Cheung AE, et al. Evidence-based scientific exercise guidelines for adults with spinal cord injury: an update and a new guideline [published correction appears in <i>Spinal Cord.</i> 2018 Oct 4;:]. <i>Spinal Cord.</i> 2018;56(4):308-321. doi:10.1038/s41393-017-0017-3
Fehlings MG, Tetreault LA, Aarabi B, et al. A Clinical Practice Guideline for the Management of Patients With Acute Spinal Cord Injury: Recommendations on the Type and Timing of Rehabilitation. <i>Global Spine J.</i> 2017;7(3 Suppl):231S-238S. doi:10.1177/2192568217701910
Website: <a href="#">SCI EDGE</a>
<b>Multiple Sclerosis</b>
<a href="#">Multiple sclerosis in adults: management NICE guideline [NG220]Published: 22 June 2022</a>
Haselkorn JK, Hughes C, Rae-Grant A, et al. Summary of comprehensive systematic review: Rehabilitation in multiple sclerosis: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. <i>Neurology.</i> 2015;85(21):1896-1903. doi:10.1212/WNL.0000000000002146
<a href="#">MS EDGE</a>
<b>Amyotrophic Lateral Sclerosis/Motor Neuron Disease</b>
<a href="#">Motor neurone disease: assessment and management NICE guideline [NG42]Published: 24 February 2016 Last updated: 23 July 2019</a>
<b>Parkinson Disease</b>
Osborne JA, Botkin R, Colon-Semenza C, et al. Correction to: Osborne JA, Botkin R, Colon-Semenza C, et al. Physical Therapist Management of Parkinson Disease: A Clinical Practice Guideline From the American Physical Therapy Association. <i>Phys Ther.</i> 2022;102:pzab302. <a href="https://doi.org/10.1093/ptj/pzac302">https://doi.org/10.1093/ptj/pzac302</a> . <i>Phys Ther.</i> 2022;102(8):pzac098. doi:10.1093/ptj/pzac098
Grimes D, Fitzpatrick M, Gordon J, et al. Canadian guideline for Parkinson disease. <i>CMAJ.</i> 2019;191(36):E989-E1004. doi:10.1503/cmaj.181504
<a href="#">Parkinson EDGE</a>
<b>Huntington Disease</b>
Quinn L, Kegelmeyer D, Kloos A, Rao AK, Busse M, Fritz NE. Clinical recommendations to guide physical therapy practice for Huntington disease. <i>Neurology.</i> 2020;94(5):217-228. doi:10.1212/WNL.0000000000008887
Fritz NE, Kegelmeyer DA, Rao AK, Quinn L, Kloos AD. Clinical Decision Trees to Guide Physical Therapy Management of Persons with Huntington's Disease. <i>J Huntingtons Dis.</i> 2022;11(4):435-453. doi:10.3233/JHD-220549
<b>Vestibular Disorders</b>
Basura GJ, Adams ME, Monfared A, et al. Clinical Practice Guideline: Ménière's Disease. <i>Otolaryngol Head Neck Surg.</i> 2020;162(2_suppl):S1-S55. doi:10.1177/0194599820909438
Bhattacharyya N, Gubbels SP, Schwartz SR, et al. Clinical Practice Guideline: Benign Paroxysmal Positional Vertigo (Update). <i>Otolaryngol Head Neck Surg.</i> 2017;156(3_suppl):S1-S47. doi:10.1177/0194599816689667

<p>Hall CD, Herdman SJ, Whitney SL, et al. Vestibular Rehabilitation for Peripheral Vestibular Hypofunction: An Updated Clinical Practice Guideline From the Academy of Neurologic Physical Therapy of the American Physical Therapy Association. <i>J Neurol Phys Ther.</i> 2022;46(2):118-177. doi:10.1097/NPT.0000000000000382</p> <p>Website: <a href="#">Vestibular EDGE</a></p>
---

## **Gait and Orthotics**

<p>Hornby TG, Reisman DS, Ward IG, et al. Clinical Practice Guideline to Improve Locomotor Function Following Chronic Stroke, Incomplete Spinal Cord Injury, and Brain Injury. <i>J Neurol Phys Ther.</i> 2020;44(1):49-100. doi:10.1097/NPT.0000000000000303</p>
---

<p>Johnston TE, Keller S, Denzer-Weiler C, Brown L. A Clinical Practice Guideline for the Use of Ankle-Foot Orthoses and Functional Electrical Stimulation Post-Stroke. <i>J Neurol Phys Ther.</i> 2021;45(2):112-196. doi:10.1097/NPT.0000000000000347</p>
---

## **Functional Neurologic Disorder**

<p>Aybek S, Perez DL. Diagnosis and management of functional neurological disorder. <i>BMJ.</i> 2022;376:o64. Published 2022 Jan 24. doi:10.1136/bmj.o64</p>
--

<p>Espay AJ, Aybek S, Carson A, et al. Current Concepts in Diagnosis and Treatment of Functional Neurological Disorders. <i>JAMA Neurol.</i> 2018;75(9):1132-1141. doi:10.1001/jamaneurol.2018.1264</p>
---

## **Outcome Assessment**

<p>Moore JL, Potter K, Blankshain K, Kaplan SL, O'Dwyer LC, Sullivan JE. A Core Set of Outcome Measures for Adults With Neurologic Conditions Undergoing Rehabilitation: A CLINICAL PRACTICE GUIDELINE. <i>J Neurol Phys Ther.</i> 2018;42(3):174-220. doi:10.1097/NPT.0000000000000229</p>
---

## **Ethics and Professional Roles**

<p><a href="#">Code of Ethics</a></p>
---------------------------------------

<p><a href="#">The Model Practice Act for Physical Therapy</a></p>
--

**Last Updated:** 9/5/2023  
**Contact :** Spec-Recert@apta.org