



American Board of Psychiatry and Neurology, Inc.

A Member Board of the American Board of Medical Specialties (ABMS)

CONTINUING CERTIFICATION/MOC COMBINED EXAMINATION IN NEUROMUSCULAR MEDICINE

Content Blueprint

Number of questions: 100	
1. Motor neuron disease (ALS, SMA, infectious/ postinfectious, paraneoplastic, focal)	13-17%
2. Root (cervical/thoracic/L-S [disc, spondylosis, tumor])	4-6%
3. Plexus (brachial/lumbosacral [inflammatory, infectious, neoplastic, trauma, congenital, hereditary, other])	4-6%
4. Nerve A. Mononeuropathy (cranial, somatic, etc.) B. Mononeuropathy multiplex C. Axonal (drugs/toxins, paraneoplastic, infectious, inflammatory, hereditary, sarcoid, amyloid, porphyria, diabetes, etc.) D. Demyelinating/dysmyelinating disorders (inflammatory, infectious/postinfectious, hereditary, toxic, diabetes, paraprotein, paraneoplastic, etc.) E. Dorsal root ganglia (diabetes, nutritional, toxin, metabolic, inflammatory, hereditary, etc.) F. Autonomic (diabetes, amyloid, hereditary, etc.)	28-32%
5. NMJ (MG, LEMS, botulism, toxins, congenital MG)	13-17%
6. Muscle (dystrophies [DMD, Becker, FSHD, LGD, myotonic, OPMD], inflammatory [PM, DM, IBM, sarcoid, HIV], metabolic/endocrine, toxic [statins], critical illness, congenital, mitochondrial, channelopathies, rhabdomyolysis [NMS, etc.], hyperCKemia, floppy infant)	28-32%
TOTAL	100%

Note: A more detailed content outline is shown below.



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Content Outline

Content Areas	
01.	Motor neuron disease (ALS, SMA, infectious/ postinfectious, paraneoplastic, focal)
A.	Clinical
1.	Natural history/prognosis
2.	Symptoms and physical findings
3.	Anatomy
4.	Epidemiology
4.	Differential diagnosis
B.	Pathogenesis
C.	Diagnostic testing
1.	Physiology/electrophysiology
2.	Pathology (nerve, muscle, skin, other)
3.	Genetics
4.	Imaging
5.	Laboratory testing
6.	Immunology
7.	Comorbidity screening
D.	Management—acute and chronic
1.	Symptom management/disease modification
a.	Pharmacology
b.	Rehabilitation
i.	Exercise
ii.	Assistive devices
iii.	Assistive technology
iv.	Braces
v.	Physical therapy/occupational therapy
vi.	Pulmonary
vii.	Speech/swallowing
viii.	Nutritional management
c.	Surgery
d.	Quality of life
2.	Ethics/professionalism
3.	Counseling



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	a.	Initial
	b.	End of life
02.		Root (cervical/thoracic/L-S [disc, spondylosis, tumor])
	A.	Clinical
	1.	Natural history/prognosis
	2.	Symptoms and physical findings
	3.	Anatomy
	4.	Epidemiology
	5.	Differential diagnosis
	B.	Pathogenesis
	C.	Diagnostic testing
	1.	Physiology/electrophysiology
	2.	Pathology (nerve, muscle, skin, other)
	3.	Genetics
	4.	Imaging
	5.	Laboratory testing
	6.	Immunology
	7.	Comorbidity screening
	D.	Management—acute and chronic
	1.	Symptom management/disease modification
	a.	Pharmacology
	b.	Rehabilitation
	i.	Exercise
	ii.	Assistive devices/technology
	iii.	Braces
	iv.	Physical therapy/occupational therapy
	v.	Pulmonary
	c.	Surgery
	d.	Quality of life
	2.	Ethics/professionalism
	3.	Counseling
03.		Plexus (brachial/lumbosacral [inflammatory, infectious, neoplastic, trauma, congenital, hereditary, other])
	A.	Clinical
	1.	Natural history/prognosis
	2.	Symptoms and physical findings
	3.	Anatomy
	4.	Epidemiology



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	5.	Differential diagnosis
B.		Pathogenesis
C.		Diagnostic testing
	1.	Physiology/electrophysiology
	2.	Pathology (nerve, muscle, skin, other)
	3.	Genetics
	4.	Imaging
	5.	Laboratory testing
	6.	Immunology
	7.	Comorbidity screening
D.		Management—acute and chronic
	1.	Symptom management/disease modification
	a.	Pharmacology
	b.	Rehabilitation
	i.	Exercise
	ii.	Assistive devices/technology
	iii.	Braces
	iv.	Physical therapy/occupational therapy
	v.	Pulmonary
	c.	Surgery
	d.	Quality of life
	2.	Ethics/professionalism
	3.	Counseling
04.		Nerve
	A.	Mononeuropathy (cranial, somatic, etc.)
	B.	Mononeuropathy multiplex
	C.	Axonal (drugs/toxins, paraneoplastic, infectious, inflammatory, hereditary, sarcoid, amyloid, porphyria, diabetes, etc.)
	D.	Demyelinating/dysmyelinating disorders (inflammatory, infectious/postinfectious, hereditary, toxic, diabetes, paraprotein, paraneoplastic, etc.)
	E.	Dorsal root ganglia (diabetes, nutritional, toxin, metabolic, inflammatory, hereditary, etc.)
	F.	Autonomic (diabetes, amyloid, hereditary, etc.)
	1.	Clinical
	a.	Natural history/ prognosis
	b.	Symptoms and physical findings
	c.	Anatomy
	d.	Epidemiology



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	e.	Differential diagnosis
2.		Pathogenesis
3.		Diagnostic testing
	a.	Physiology/electrophysiology
	b.	Pathology (nerve, muscle, skin, other)
	c.	Genetics
	d.	Imaging
	e.	Laboratory testing
	f.	Immunology
	g.	Comorbidity screening
4.		Management—acute and chronic
	a.	Symptom management/disease modification
		i. Pharmacology
		ii. Rehabilitation
		aa. Exercise
		bb. Assistive devices/ technology
		cc. Braces/orthotics
		dd. Physical therapy/ occupational therapy
		ee. Cardiopulmonary
		ff. Speech/swallowing
		gg. Nutritional management
		iii. Surgery
		aa. Nerve biopsy
		iv. Quality of life
	b.	Ethics/professionalism
	c.	Counseling
05.		NMJ (MG, LEMS, botulism, toxins, congenital MG)
	A.	Clinical
		1. Natural history/prognosis
		2. Symptoms and physical findings
		3. Anatomy
		4. Epidemiology
		5. Differential diagnosis
	B.	Pathogenesis
	C.	Diagnostic testing
	D.	Management—acute and chronic
		1. Symptom management/disease modification
		a. Pharmacology



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	i.	Cholinesterase inhibitors
	ii.	Immunomodulation
	iii.	IV Ig
	b.	Plasma exchange
	c.	Ventilatory support
	d.	Surgery
	i.	Thymectomy
	ii.	Tracheotomy
	e.	Rehabilitation
	i.	Exercise
	ii.	Assistive devices/technology
	iii.	Physical therapy/occupational therapy
	iv.	Pulmonary
	v.	Speech/swallowing
	vi.	Nutritional management
	f.	Quality of life
	2.	Ethics/professionalism
	3.	Counseling
06.		Muscle (dystrophies [DMD, Becker, FSHD, LGD, myotonic, OPMD], inflammatory [PM, DM, IBM, sarcoid, HIV], metabolic/endocrine, toxic [statins], critical illness, congenital, mitochondrial, channelopathies, rhabdomyolysis [NMS, etc.], hyperCKemia, floppy infant)
	A.	Clinical
		1. Natural history/prognosis
		2. Symptoms and physical findings
		3. Anatomy
		4. Epidemiology
		5. Differential diagnosis
	B.	Pathogenesis
	C.	Diagnostic testing
		1. Physiology/electrophysiology
		2. Pathology (muscle, skin, other)
		3. Genetics
		4. Imaging
		5. Laboratory testing
		6. Ischemic lactate test
		7. Immunology
		8. Comorbidity screening



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D.	Management—acute and chronic
1.	Symptom management/disease modification
a.	Pharmacology
b.	Rehabilitation
i.	Exercise
ii.	Assistive devices
iii.	Assistive technology
iv.	Braces
v.	Physical therapy/occupational therapy
vi.	Pulmonary
vii.	Speech/swallowing
viii.	Nutritional management
c.	Surgery
i.	Muscle biopsy
ii.	Tendon release
d.	Quality of life
2.	Ethics/professionalism
a.	End of life
3.	Counseling