



AMERICAN BOARD OF PSYCHIATRY AND NEUROLOGY, INC.

MAINTENANCE OF CERTIFICATION EXAMINATION
 IN CLINICAL NEUROPHYSIOLOGY (EMG EMPHASIS)
 2009 Content Outline

150 questions	Percent
I. EEG	15%
A. Methods	3%
1. Techniques – activation, other	
2. Artifacts – more complex, specific EEG	
B. Basic patterns, including variants	5%
1. Maturation and age-related changes	
2. Variants – normal and uncommon	
C. Clinical correlations	7%
1. Seizures and other paroxysmal events	
2. Focal lesions	
3. Diffuse encephalopathies – coma, death	
4. Drugs and treatment effects	
5. Periodic and uncertain patterns	
6. Infant and pediatric disorders	
II. NCS/EMG	80%
A. Methods	
1. Anatomy	
2. Techniques	
a. NCS	
b. EMG	
c. Repetitive stimulation	
d. SFEMG	
B. Basic patterns	
1. NCS	
2. EMG	
3. Repetitive stimulation	
4. Artifacts	
C. Clinical correlations	
1. Peripheral nerve disease	
a. Diffuse axon loss	



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b.	Diffuse demyelinating	
c.	Focal	
d.	Multifocal	
e.	Cranial	
f.	Hyperexcitability states (Isaacs, other myokymias, etc.)	
2.	Central disease—motor neuron, cord, stem	
a.	ALS	
b.	Other motor neuron diseases	
c.	Cord/stem	
3.	Neuromuscular junction disease	
a.	Myasthenia gravis	
b.	LEMS	
c.	Botulism	
d.	Other (repetitive CMAPs with single stimuli, etc.)	
4.	Muscle disease	
a.	Inflammatory	
b.	Dystrophy	
c.	Metabolic/toxic (storage diseases, endocrine, mitochondrial, critical illness, steroid, etc.)	
d.	Channelopathies (periodic paralyses, myotonia/paramyotonia congenita, etc.)	
5.	Pediatric disorders	
6.	Patterns—prognosis, evolution of disease	
III.	Sleep	3%
IV.	Other CNP	2%
A.	Evoked potentials	
B.	Autonomic physiology/studies	
C.	Ethics	
TOTAL		100%