



**MAINTENANCE OF CERTIFICATION EXAMINATION  
IN CLINICAL NEUROPHYSIOLOGY (EMG EMPHASIS) MODULAR VERSION  
2010 Content Outline**

100 questions	<b>Percent</b>
<b>I. EEG</b>	<b>13%</b>
A. Methods	
1. Techniques—activation, other	
2. Artifacts—more complex, specific EEG	
B. Basic patterns, including variants	
1. Maturation and age-related changes	
2. Variants – normal and uncommon	
C. Clinical correlations	
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	
<b>II. NCS/EMG</b>	<b>79%</b>
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	
<b>III.</b>	<b>Other CNP</b>	<b>8%</b>
A.	Sleep	
B.	Evoked potentials	
C.	Autonomic physiology/studies	
D.	Ethics	
E.	Safety	
<b>TOTAL</b>		<b>100%</b>