Electromyography Training Manual

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- EMG Rotation Objectives
- EMG Rotation Skills List

Section 2: Schedules

- EMG/Neuromuscular Neurology Resident Rotation Weekly Schedule
- Introductory EMG Schedule
- Neuromuscular Fellow Conference Schedule

Section 3: Laboratory Function

Section 4: Nerve Conduction Techniques

- Nerve Conduction Manual
- Table 1: Normal Values UMMC
- Table 2: Electrodes
- Nerve Conduction Studies: Principles, Problems, and Sources of Error
- Brachial Plexus: Schema (with labels)
- Brachial Plexus: Schema (without labels)
- The Utility of Various Sensory Nerve Conduction Responses in Assessing Brachial Plexopathies

Section 5: Repetitive Stimulation

- Repetitive Stimulation
- Workshop on Repetitive Stimulation
- AAEE Minimonograph #33: Electrodiagnostic Approach To Defects of Neuromuscular Transmission

Section 6: Needle EMG

- Terminology of Electromyography
- Needle Electromyography
- Rating of Fibrillation and Fasciculation for EMG Reports
- Anatomic Localization

Section 7: Single Fiber EMG

- Electrophysiologic Studies of Neuromuscular Transmission: Single Fiber Electromyography
- AAEM Minimonograph #25: Single-Fiber Electromyography

Section 8: Polyneuropathy

- Pathophysiology of Peripheral Neuropathies
- Axonal vs. Demyelinating Polyneuropathy
- Acquired Inflammatory Demyelinating Polyneuropathies: Clinical and Electrodiagnostic Features

Section 9: Mononeuropathies

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- Radiculopathy
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  - EMG and Nerve Conduction: Abnormalities Localizing the Lesion Site in Suspected Ulnar Neuropathy
  - EMG and Nerve Conduction: Abnormalities Localizing the Lesion Site in Wristdrop
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Section 15: Protocols

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• Periodic Paralysis
• Carpal Tunnel
• Upper Extremity Pain
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Section 16: Lecture Handouts

• AAEM Minimonograph #26: The Electrodiagnosis of Carpal Tunnel Syndrome
• AAEM Minimonograph #31: The Electrodiagnosis of Ulnar Neuropathy at the Elbow
• AAEM Minimonograph #34: Polyneuropathy: Classification by Nerve Conduction Studies and Electromyography
• Who, What, Where, When, Why, and How of Cranial Nerve Studies
• Neuromuscular Complications of Cancer
• An Approach to the Diagnosis of Neuromuscular Disease in the Floppy Infant
• AAEM Minimonograph #36: Basic Concepts of Electricity and Electronics in Clinical Electromyography
• Introduction to Muscle Pathology

Section 17: Appendix

• Suggested Reading List
• AAEE Recommended Educational Requirements
• AAEE Examination Objectives, Content, Examples