American Association of Neuromuscular & Electrodiagnostic Medicine
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AANEM Laboratory Accreditation Resource
Report Checklist

If you are considering applying for accreditation, review the AANEM's educational paper, *Reporting the Results of Needle EMG and Nerve Conduction Studies*. The report identifies key elements of a quality EDX report. Below is a checklist to help you verify your reports have all the key elements.

Key Report Elements for Needle EMG and NCSs

- □ Patient demographic data – i.e. name, age, birthdate
- □ Reasons for the referral
- □ Description of history and physical examination
- □ Reference values
  - If not provided, abnormal results must be clearly identified
- □ Limb temperature – hands should be > 32°C and feet > 30°C
- □ Identify the name of the muscles and nerves tested and the side (left or right)
- □ Description of the findings in the muscles or nerves examined including normal or abnormal - if abnormal provide details of the abnormality
  - For Needle EMG include
- □ Insertional and spontaneous activity – note the presence or absence of positive waves, fibrillation potentials, or fasciculation potentials
- □ Voluntary activity – note the recruitment, amplitude, duration, and polyphasicity
  - For NCS include
- □ Site of stimulation
- □ Conduction velocity
- □ SNAP amplitude and peak latency
- □ CMAP amplitude (baseline to negative peak)
- □ Probable diagnosis
  - Note the location of the nerve, neuromuscular junction, or muscle pathology
- □ Report EMG and NCS data in a table format
- □ Limitations to completing the study (if any)
- □ Report on change from previous study (if any)

Key Report Elements for F-Waves, H-Reflexes, and Repetitive Nerve Stimulation

- □ Indicate the nerve studied
- □ The site of nerve stimulation and muscle recording
  - For F-waves and H-Reflexes
- □ Minimum F-wave or H-wave latency
  - For Repetitive Stimulation
- □ Number of stimulations and the rate of stimulation.
- □ The physiological state of the muscles at the time of nerve stimulation
- □ If after exercise, the duration of the exercise and time interval after exercise
- □ The initial amplitude and/or area, and the method of calculation of the increment or decrement