

AANEM Laboratory Accreditation Resource Report Checklist

If you are considering applying for accreditation, review the AANEM's educational paper, *Reporting the Results of Nerve Conduction Studies and Needle EMG*. 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 NCSs and Needle EMG

- ☐ Patient demographic data – *required*: name, medical record number, age/birthdate, height, weight, and gender
- ☐ 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 $> 32^{\circ}\text{C}$ and feet $> 30^{\circ}\text{C}$
- ☐ 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 abnormal spontaneous activity – note the presence or absence of positive waves, fibrillation potentials, fasciculation potentials, or other features
 - ☐ Voluntary activity – note the recruitment pattern, motor unit amplitude, duration, and polyphasicity
 - ☐ For NCS include:
 - ☐ Site of stimulation
 - ☐ recording site
 - ☐ Distance
 - ☐ Conduction velocity
 - ☐ SNAP amplitude and peak or onset latency
 - ☐ CMAP amplitude (baseline to negative peak) and onset latency
- ☐ Probable diagnosis
 - ☐ Note the location of the nerve, neuromuscular junction, or muscle pathology
- ☐ Report NCS and EMG data in a table format
- ☐ Limitations to completing the study (if any)
- ☐ Report on change from previous study (if any)
- ☐ Comments (i.e., activation, unusual findings)

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

- ☐ Indicate the nerve studied
- ☐ Site of nerve stimulation and muscle recording
- ☐ Minimum F-wave or H-wave latency
- ☐ Number of stimulations and the rate of stimulation for repetitive stimulation
- ☐ Physiological state of the muscles at the time of nerve stimulation
- ☐ If after exercise, the duration of the exercise and time interval after exercise
- ☐ Initial amplitude and/or area, and the method of calculation of the increment or decrement

Other Report Elements

- ☐ Name of electrodiagnostic physician (including resident and/or fellow), typed along with the signature at the bottom of the report
- ☐ Name of the technologist assisting with the NCSs (if applicable)
- ☐ Type of instrument used (optional)
- ☐ Information about laboratory accreditation (if applicable)