1. **\***Specimen type?[ ]  Biopsy [ ]  Autopsy

If this is an autopsy specimen, what is the approximate postmortem interval? *(please specify)*

1. \*Date of tissue collection: (m m/dd/yyyy)
2. \*Number of fragments collected: *(please specify)*
3. \*Size of fragments: ( ) X ( ) X ( ) cm
4. \*Name of Laboratory where pathology was performed: *(please specify)*
5. Name of Laboratory Director: *(please specify)*
6. \*Processing?

[ ]  Frozen: Amount: (please specify)mg [ ]  Not known

[ ]  Formalin-fixed/ Paraffin-embedded: Amount: (please specify) mg [ ]  Not known

[ ] Glutaraldehyde-fixed/ Epon-embedded: Amount: (please specify) mg [ ]  Not known

[ ]  Glutaraldehyde-fixed/ Teased fibers: Amount: (please specify) mg [ ]  Not known

1. \*Was electron microscopy performed? [ ]  Yes [ ]  No
2. \*Was subsequent biochemical or genetic testing performed? [ ]  Yes[ ]  No

If Yes, record results in table below:

Biochemical or Genetic testing Data Table

| \*Test Name | Results (including units) |
| --- | --- |
| (data to be entered by site) | (data to be entered by site) |

## Histological Findings in Nerve Biopsy or Autopsy specimens

1. \*Which standard histochemical stains were used? (choose all that apply)

[ ]  H and E

[ ]  Masson trichrome

[ ]  Congo red

[ ]  Myelin stain, specify:

[ ]  Microorganism stains, specify:

1. \*Which of the following diagnostic abnormalities were noted on histochemical stains(Choose all that apply and provide details below)**?**

[ ]  Decreased fiber density

[ ]  Decreased myelination

[ ]  Atherosclerosis

[ ]  Amyloid deposits

[ ]  Myelin ovoids

[ ]  Abnormal storage material

[ ]  Granulomas

[ ]  Microorganisms

[ ]  Thrombi in blood vessels

[ ]  Lymphatic inflammation

[ ]  Vasculitus

**\***Details of diagnostic abnormalities: *(please specify)*

1. If immunohistochemical stains were used, record results in below table [ ]  N/A

Immunohistochemical Stain Data table

| Stain Used | Results |
| --- | --- |
| (data to be entered by site) | (data to be entered by site) |

## Epon-Embedded Tissue/Electron Microscopy (Nerve Biopsy/Autopsy Specimens)

1. Abnormalities seen on:

[ ]  Light microscopy (Toluidine blue staining)

[ ]  Electron microscopy

[ ]  Both – Light microscopy and Electron microscopy

1. Abnormalities noted in: **[ ]** Myelinated axon number, specify**:**

[ ]  Mild decrease

[ ]  Severe decrease

[ ]  Myelinated axon clusters, possibly regenerative

[ ]  Axonal degeneration (active)

[ ]  Myelination, specify:

[ ]  Abnormally thin myelin

[ ]  Myelin absent from large diameter axons

[ ]  Abnormal myelin architecture

[ ]  Onion bulbs

[ ]  Segmental demyelination/ remyelination in excess of age related change (teased fiber preparation)

[ ]  Bands of Bungner (empty Schwann cells)

[ ]  Mitochondria, specify:

[ ]  Abnormal shape

[ ]  Abnormal numbers

[ ]  Abnormal location, specify:

[ ]  Abnormal architecture

[ ]  Abnormal storage material, specify:

## Overall Interpretation

1. Overall interpretation of specimen**:**

[ ]  Myopathic

[ ]  Dystrophic

[ ]  Neuropathic

[ ]  Storage Disease

[ ]  Inflammatory

[ ]  Normal

[ ]  Inadequate

### General Instructions

This form contains data elements that are collected when performing various nerve biopsies.

Important note: The data elements included in this CRF module span the range of diagnostic abnormalities seen in both pediatric and adult neuromuscular biopsy specimens. While each of these specific elements does not need to be included in every clinical biopsy report, this checklist provides a list of potentially pertinent positive and negative findings that should be considered when reporting a nerve biopsy. While the usefulness of these specific findings will depend on the differential diagnosis on a clinical case, all of these findings can be clinically important in specific situations. In cases where a specific diagnosis is not clear, it is recommended to evaluate and report the presence or absence of these findings to facilitate subsequent attempts to select biopsies for genetic testing or enrollment in research studies.

### Specific Instructions

Please see the Data Dictionary for definitions for each of the data elements included in this CRF module.

\*Element is classified as Core