For autopsy specimens, a common checklist can be filled out, but the presence of specific findings in specific muscles and nerves should be evaluated and reported.

1. \*Is this a biopsy or autopsy specimen?  Biopsy  Autopsy

If this is an autopsy specimen, what is the approximate postmortem interval in hours?

1. \*Method of tissue collection: Punch biopsy Blister biopsy Open biopsy
2. \*Site of tissue collection: 10 cm above lateral malleolus Other, specify
3. \*Date of tissue collection: (mm/dd/yyyy)
4. \*Size of tissue collected: ( )x ( )x ( ) cm
5. \*Name of Laboratory where pathology was performed: (please specify)
6. Name of Laboratory Director: (please specify)
7. **\***Freezing or Fixation Used?  Frozen: Amount: (please specify)mg  Not known

Formalin-fixed: Amount: (please specify) mg  Not known

Parformaldehyde-fixed: Amount: (please specify) mg  Not known

Zamboni’s solution-fixed: Amount: (please specify)mg  Not known

## Histological Findings in Skin Biopsies for Intraepidermal Nerve Fiber (IENF) Quantification

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

H and E  anti-PGP 9.5  Other, specify:

1. \*Section Thickness: (please specify) microns  Not known
2. \*Number of sections quantified: (please specify)  Not known
3. Microscopy technique:  Brightfield  Fluorescence
4. Quantification method used:  Manual counting  Stereology  Computer-assisted

Other, specify

1. Method for normalizing specimen volume:  Section length  Using grid

Other, specify

Not known

1. Threshold for counting:  All immunoreactive profiles (including nerve fragments)

Only nerves crossing the dermal/epidermal border

1. Burden of Langerhans cell processes:  Low  Moderate  High  Not known
2. Intraepidermal nerve fiber density: (please specify)
3. Normal range for this laboratory: (please specify)
4. Is the normal range approximately age-matched to the patient:  Yes  No  Not known
5. Was sweat gland innervation evaluated?:  Yes  No  Not known
6. Other reported IENF Statistics: (please specify)
7. Other comments:*(please specify)*

## General Instructions

This form contains data elements that are collected when performing skin biopsies for intraepidermal nerve fiber quantification.

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 skin biopsies for IENF. 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 in NMD, MG and SMA; element is classified as Supplemental – Highly Recommended for CMD.