Autoimmune Myelopathy Evaluation Algorithm-Serum

The following tests are always performed:

- Collapsin response mediator protein-5 IgG (CRMP-5-IgG)
- Antineuronal nuclear antibody-type 1 (ANNA-1)
- Antineuronal nuclear antibody-type 2 (ANNA-2)
- Antineuronal nuclear antibody-type 3 (ANNA-3)
- Purkinje cell cytoplasmic antibody-type 1 (PCA-1)
- Purkinje cell cytoplasmic antibody-type 2 (PCA-2)
- Purkinje cell cytoplasmic antibody-type Tr (PCA-Tr)
- Amphiphysin antibody assay
- Collapsin response mediator protein-5 neuronal (CRMP-5-IgG)
- Anti-glial/neuronal nuclear antibody-type 1 (AGNA-1)
- Dipeptidyl-peptidase-like protein-6 (DPPX) antibody
- Glial fibrillary acidic protein (GFAP)
- Metabotropic glutamate receptor 1 (mGluR1) antibody
- Neuronal intermediate filament IgG (NIF)
- P/Q-type calcium channel antibody
- N-type calcium channel antibody
- Glutamic acid decarboxylase (GAD65) antibody assay
- Neuronal intermediate filament IgG (NIF)
- P/Q-type calcium channel antibody
- N-type calcium channel antibody
- Glutamic acid decarboxylase (GAD65) antibody assay
- Neuronal intermediate filament IgG (NIF)
- NMO/aquaporin-4-IgG FACS titer assay
- Myelin oligodendrocyte glycoprotein (MOG-IgG-1)

If IFA pattern suggests ANNA-1

- ANNA-1 antibody by immunoblot
- ANNA-2 antibody by immunoblot
- PCA-1 antibody by immunoblot
- AGNA-1 antibody by immunoblot
- Amphiphysin antibody by immunoblot
- DPPX antibody by cell-binding assay (CBA)
- DPPX antibody by immunofluorescence (IF) titer assay
- miGluR1 antibody by CBA
- miGluR1 antibody by IF titer assay
- AMPA-receptor antibody by CBA
- AMPA-receptor antibody by IF titer assay
- NMDA-receptor antibody by CBA
- NMDA-receptor antibody by IF titer assay
- Neuronal intermediate filament IgG (NIF)
- P/Q-type calcium channel antibody
- N-type calcium channel antibody
- Glutamic acid decarboxylase (GAD65) antibody assay
- Neuronal intermediate filament IgG (NIF)
- NMO/aquaporin-4-IgG FACS titer assay
- Myelin oligodendrocyte glycoprotein (MOG-IgG-1)

If IFA pattern suggests ANNA-2

- ANNA-1 antibody by immunoblot
- ANNA-2 antibody by immunoblot
- PCA-1 antibody by immunoblot
- AGNA-1 antibody by immunoblot
- Amphiphysin antibody by immunoblot
- DPPX antibody by cell-binding assay (CBA)
- DPPX antibody by immunofluorescence (IF) titer assay
- miGluR1 antibody by CBA
- miGluR1 antibody by IF titer assay
- AMPA-receptor antibody by CBA
- AMPA-receptor antibody by IF titer assay
- NMDA-receptor antibody by CBA
- NMDA-receptor antibody by IF titer assay
- Neuronal intermediate filament IgG (NIF)
- P/Q-type calcium channel antibody
- N-type calcium channel antibody
- Glutamic acid decarboxylase (GAD65) antibody assay
- Neuronal intermediate filament IgG (NIF)
- NMO/aquaporin-4-IgG FACS titer assay
- Myelin oligodendrocyte glycoprotein (MOG-IgG-1)

If IFA pattern suggests PCA-1

- ANNA-1 antibody by immunoblot
- ANNA-2 antibody by immunoblot
- PCA-1 antibody by immunoblot
- AGNA-1 antibody by immunoblot
- Amphiphysin antibody by immunoblot
- DPPX antibody by cell-binding assay (CBA)
- DPPX antibody by immunofluorescence (IF) titer assay
- miGluR1 antibody by CBA
- miGluR1 antibody by IF titer assay
- AMPA-receptor antibody by CBA
- AMPA-receptor antibody by IF titer assay
- NMDA-receptor antibody by CBA
- NMDA-receptor antibody by IF titer assay
- Neuronal intermediate filament IgG (NIF)
- P/Q-type calcium channel antibody
- N-type calcium channel antibody
- Glutamic acid decarboxylase (GAD65) antibody assay
- Neuronal intermediate filament IgG (NIF)
- NMO/aquaporin-4-IgG FACS titer assay
- Myelin oligodendrocyte glycoprotein (MOG-IgG-1)