Encephalopathy Autoimmune Evaluation Algorithm, Spinal Fluid

ENC1 / Encephalopathy, Autoimmune Evaluation, Spinal Fluid
The following tests are always performed

Radioimmunoprecipitation Assay (RIA)
- Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Spinal Fluid
- Neuronal Voltage-Gated Potassium Channel-Complex (VGKC) Autoantibody, Spinal Fluid

Immunofluorescence Assay (tissue IFA)
- Antineuronal Nuclear Antibody-Type 1 (ANNA-1), Spinal Fluid
- Antineuronal Nuclear Antibody-Type 2 (ANNA-2), Spinal Fluid
- Antineuronal Nuclear Antibody-Type 3 (ANNA-3), Spinal Fluid
- Purkinje Cell Cytoplasmic Antibody, Type 1 (PCA-1), Spinal Fluid
- Purkinje Cell Cytoplasmic Antibody, Type 2 (PCA-2), Spinal Fluid
- Purkinje Cell Cytoplasmic Antibody, Type Tr (PCA-Tr), Spinal Fluid
- Amphiphysin Antibody Assay, Spinal Fluid
- Collapsin Response-Mediator Protein-5 Neuronal (CRMP-5-IgG), Spinal Fluid
- Anti-Glia / Neuronal Nuclear Antibody-Type 1 (AGNA-1), Spinal Fluid

Immunofluorescence Assay (cell binding; CBA)
- NMDA-Receptor Antibody by CBA, Spinal Fluid
- AMPA-Receptor Antibody by CBA, Spinal Fluid
- GABA-B-Receptor Antibody by CBA, Spinal Fluid
- Contactin-Associated Protein-Like-2 (CASPR2)-IgG, Spinal Fluid
- Leucine-Rich Glioma Inactivated Protein-1 IgG, Spinal Fluid

If IFA suggests ANNA-1, ANNA-2, PCA-1, PCA-2, Amphiphysin Antibody, or CRMP-5 IgG or if IFA pattern is indeterminate

IF A pattern suggests CRMP-5 IgG
- Collapsin Response-Mediator Protein-5-IgG (CRMP-5-IgG) Western Blot, Spinal Fluid

IF A pattern suggests Amphiphysin Antibody
- Amphiphysin Antibody Western Blot, Spinal Fluid

IF A pattern suggests NMO / Aquaporin-4-IgG
- Neuromyelitis Optica (NMO)/Aquaporin-4-IgG Fluorescence-Activated Cell Sorting (FACS) Assay, Spinal Fluid

If pattern suggests AMPA-Receptor Antibody and AMPA-Receptor Antibody, CBA is positive

If pattern suggests NMDA-Receptor Antibody and NMDA-Receptor Antibody, CBA is positive

If pattern suggests GABA-B-Receptor Antibody and GABA-B-Receptor Antibody, CBA is positive

Paraneoplastic Autoantibody, Western Blot Confirmation, Spinal Fluid

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