Paraneoplastic Evaluation Algorithm

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

If IFA pattern suggests CRMP-5-IgG
- Paraneoplastic Autoantibody, Western Blot Confirmation

If ANNA-1, ANNA-2, PCA-1, PCA-2, amphiphysin antibody or CRMP-5 patterns are indeterminate
- Paraneoplastic Autoantibody, Western Blot Confirmation

Radioimmunoprecipitation (RIA)
- P/Q-Type Calcium Channel Antibody, Serum
- N-Type Calcium Channel Antibody, Serum
- Acetylcholine Receptor (Muscle AChR) Binding Antibody, Serum
- Ganglionic Acetylcholine Receptor (Alpha3) Autoantibody, Serum
- Neuronal Voltage-Gated Potassium Channel (VGKC) Autoantibody, Serum
- Striational (Striated Muscle) Antibodies, Serum

ELISA
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If IFA pattern suggests NMO-IgG
- AMPA-Receptor Antibody by CBA
- AMPA-Receptor Antibody by CBA and/or AMPA-Receptor titer assay
- Neuromyelitis Optica (NMO) Aquaporin-4-IgG FACS

If IFA pattern suggests GABA-B-R Ab
- GABA-B-Receptor Antibody by CBA
- GABA-B-Receptor Antibody by CBA and/or GABA-B-Receptor titer assay
- AMPA-Receptor Antibody by CBA and/or GABA-B-Receptor titer assay
- NMDA-Receptor Antibody by CBA and/or NMDA-Receptor titer assay

If Neuronal Voltage-Gated Potassium Channel (VGKC) Autoantibody is ≥0.01 nmol/L
- Contactin-Associated Protein-Like-2 (CASPR2)-IgG, Serum
- Leucine-Rich Glioma Inactivated Protein-1 IgG, Serum

If IFA pattern suggests AMPA-R Ab
- Collapsin Response-Mediator Protein-5-IgG (CRMP-5-IgG) Western Blot, Serum

If Neuronal Voltage-Gated Potassium Channel (VGKC) Autoantibody is >0.01 nmol/L
- Collapsin Response-Mediator Protein-5-IgG (CRMP-5-IgG) Western Blot, Serum

Radioimmunoanalysis (RIA)
- P/Q-Type Calcium Channel Antibody, Serum
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