**INDICATIONS FOR TESTING**

Patient presenting with symptoms that are suspicious for paraneoplastic neurological syndromes (PNS)

- **Known malignancy**
  - **No**
    - Test for antibodies suggested by clinical symptoms
    - **Well-characterized onconeural antibodies present**
      - **No**
        - PNS possible but evaluate for other disorders associated with neurologic symptoms (e.g., chronic infections, metabolic encephalopathy)
        - None
        - Evaluate with other neurologic testing (EMG, muscle biopsy, CT, MRI) to look for tumor and/or neurologic diagnosis
          - **Negative**
            - Reevaluate in 6 months or sooner depending on symptoms
          - **Positive**
            - PNS probably present, antibody negative syndrome
      - **Yes**
        - PNS confirmed
        - Evaluate for most common tumors associated with the syndrome based on age, sex

- **Yes**
  - Test for antibodies that support clinical symptoms and type of tumor present
  - **Antibodies present**
    - **No**
      - None
      - Evaluate with other neurologic testing (EMG, muscle biopsy, MRI/PET)
    - **Yes**
      - PNS confirmed

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**Antibody Testing Available**

- **Paraneoplastic Reflexive Panel**
  - Panel includes
    - Purkinje Cell/Neuronal Nuclear IgG Screen
    - Neuronal Nuclear Antibody (ANNA) IFA Titer, IgG
    - Purkinje Cell Antibody, Titer
    - Neuronal Nuclear Antibodies (Hu, Ri, Yo) IgG by Immunoblot
    - Amphiphysin Antibody, IgG
    - CVZ.1 by IFA
  - *Well-characterized antibodies*

- **Autoimmune Neurologic Disease Reflexive Panel**
  - Panel includes
    - Striated Muscle Antibodies, IgG with Reflex to Titer
    - N-methyl-D-Aspartate Receptor Antibody, IgG, Serum with Reflex to Titer
    - Glutamic Acid Decarboxylase Antibody
    - CV2.1 Screen by IFA with Reflex to Titer
    - Voltage-Gated Calcium Channel (VGCC) Antibody
    - Titin Antibody
    - Voltage-Gated Potassium Channel (VGKC) Antibody
    - Aquaporin-4 Receptor Antibody
    - Acetylcholine Receptor Binding Antibody
    - Paraneoplastic Antibodies (PCCA/ANNA) by IFA with Reflex to Titer and Immunoblot
    - Amphiphysin Antibody, IgG
  - *Well-characterized antibodies*

- **Paraneoplastic Antibodies (PCCA/ANNA) by IFA with Reflex to Titer and Immunoblot**
  - Panel includes
    - Purkinje Cell/Neuronal Nuclear IgG Screen
    - Neuronal Nuclear Antibody (ANNA) IFA Titer, IgG
    - Purkinje Cell Antibody, Titer
    - Neuronal Nuclear Antibodies (Hu, Ri, Yo) IgG by Immunoblot
    - Neuronal Nuclear Antibodies (Hu, Ri, Yo) IgG by Immunoblot
    - Amphiphysin Antibody, IgG
    - Voltage-Gated Potassium Channel (VGKC) Antibody with Reflex to LGI1 and CASPR2 Screen and Titer
    - Voltage-Gated Calcium Channel (VGCC) Antibody
    - Voltage-Gated Potassium Channel (VGKC) Antibody
    - Leucine-Rich, Glioma-Inactivated Protein 1 Antibody, IgG and Contactin-Associated Protein-2 Antibody, IgG with Reflex to Titer
    - Leucine-Rich, Glioma-Inactivated Protein 1 Antibody, IgG with Reflex to Titer
    - CV2.1 Screen by IFA with Reflex to Titer
  - *Well-characterized antibodies*

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