Autoimmune/Paraneoplastic Gastrointestinal Dysmotility Evaluation Algorithm

The following tests are always performed:

- Antineuronal nuclear antibody, type 1 (ANNA-1)
- Dipeptidyl-peptidase-like protein-6 (DPPX) antibody
- Purkinje cell cytoplasmic antibody, type 2 (PCA-2) IFA
- Collapsin response-mediator protein 5 (CRMP)-5-IgG IFA

Immunofluorescence Assay (Cell-Binding: CBA)
- Contactin-associated protein-like-2 (CASPR2)-IgG
- Leucine-rich glioma inactivated protein-1 IgG

Immunofluorescence (IFA)
- Antineuronal nuclear antibody, type 1 (ANNA-1)
- Dipeptidyl-peptidase-like protein-6 (DPPX) antibody
- Purkinje cell cytoplasmic antibody, type 2 (PCA-2) IFA
- Collapsin response-mediator protein 5 (CRMP)-5-IgG IFA

Radioimmunoprecipitation (RIA)
- Ganglionic acetylcholine receptor (alpha 3 autoantibody)

If IFA pattern suggests DPPX antibody:
- DPPX antibody by CBA
- DPPX antibody by immunofluorescence (IF) titer assay

If IFA pattern suggests ANNA-1:
- ANNA-1 antibody by CBA
- ANNA-2 antibody by immunoblot

If IFA pattern suggests PCA-1, PCA-2, and/or PCA-Tr:
- PCA-1 IFA and immunoblot
- ANNA-2 antibody by immunoblot

If IFA pattern suggests amphiphysin:
- Amphiphysin antibody immunoblot

If IFA pattern suggests CRMP-5-IgG:
- CRMP-5-IgG Western blot

If IFA pattern suggests NMDA-receptor:
- NMDA-R CBA and/or NMDA-R IF titer assay

If IFA pattern suggests AMPA-receptor:
- AMPA-R CBA and/or AMPA-R IF titer assay

If IFA pattern suggests GABA-B-receptor:
- GABAB-R CBA and/or GABAB-R IF titer assay

If IFA pattern suggests mGlu receptor 1 antibody:
- mGluR1 antibody by CBA
- mGluR1 antibody by IF titer assay