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"Long Haulers" and Brain Fog

- Those patients whose dysfunction persists in the post-acute phase of the Covid-19 infection defined by Dr. Koralnik as symptoms lasting more than six weeks given population surveys suggesting most patient fully recover in 4-6 $\,$ weeks.
- Includes both those positive and those negative for SARS-CoV-2
- Brain Fog: "troubling cognitive symptoms that can include memory loss, confusion, difficulty focusing, dizziness, grasping for everyday words. Increasingly, Covid survivors say brain fog is impairing their ability to work and function normally" (Belluck, 2020)

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- PROMIS[®] is funded by the NIH Common Fund
- · Monitors physical, mental, and social health in adults and children
- · Improves understanding of patient experience of the disease with regards to day to day symptoms and functioning
- Measures outcomes from the patient's perspective-often best way patients can judge effectiveness of their treatment is by changes in their symptoms
- Fewer questions that traditional questionnaires, less patient burden
- Can be given through MyChart® or in waiting room; results available right away
- Use of PROMIS[®] scales as standardized measures would ensure consistency across health systems and studies

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Neuro-COVID-19 Clinic Patient Flow

1. Based on symptoms, patients are referred to appropriate specialty

Future Areas of Investigation: NM Neuropsychology

* Task Duration - patient fatigue, breadth of assessment versus efficient

• Uncertainty about the profile of cognitive impairment (variants?)

a) Behavioral Neurology

e) Physical Medicine and Rehabilitation

Goal: Identify the most salient deficits

Changing Covid-19 restrictions

Telehealth vs. In-office

resource use

iPad based vs. paper/pencil

b) Sleep Psychologyc) Neuropsychiatryd) Ophthalmology

f) Neuropsychology

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