Long COVID: Diagnosis and Management
Tiffany Walker, MD Assistant Professor Emory University School of Medicine Atlanta, GA ☑IAS-USA

Financial Relationships With Ineligible Companies (Formerly Described as Commercial Interests by the ACCME) Within the Last 2 Years:

Dr Walker has no financial relationships with ineligible companies to disclose. (Updated 03/16/23)

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Learning Objectives

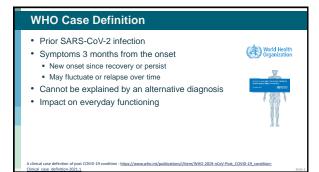
After attending this presentation, learners will be able to:

- 1. Describe Long COVID epidemiology and identify symptoms
- 2. Characterize Long COVID physiology
- 3. Describe diagnostic and management approaches

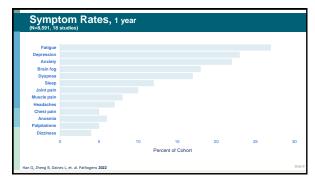
Long COVID Case

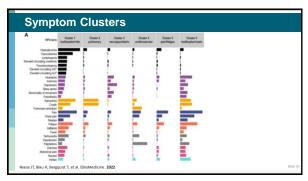
- 52F with obesity, COVID-19 vaccinated
- CC: Fatigue and Forgetfulness
 - Fatigue
 - Memory, concentration difficulties
 - Palpitations
 - Sleep impairment
- Abnormalities: (+) Cognitive screen, D-dimer: 980, CRP: 10

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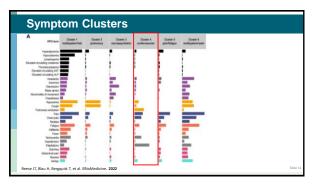


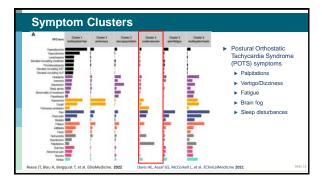


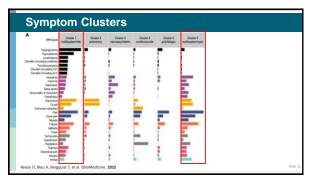




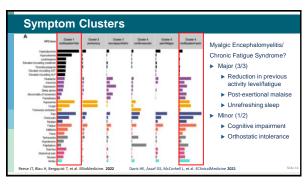
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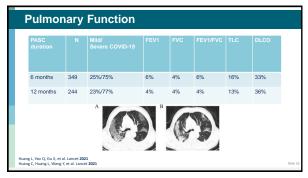


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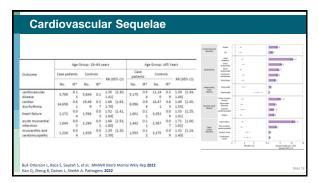
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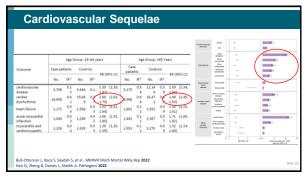
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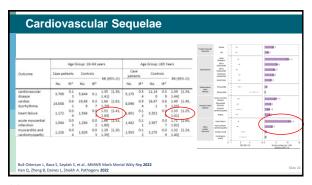
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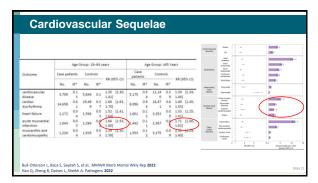


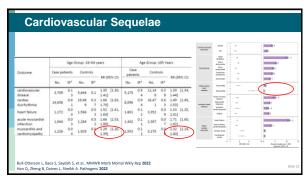




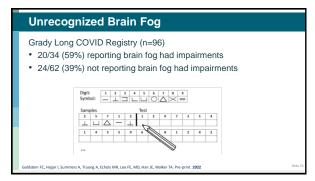
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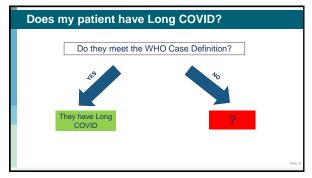


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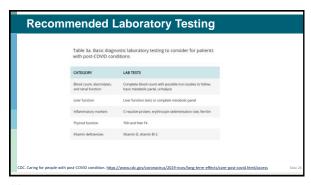


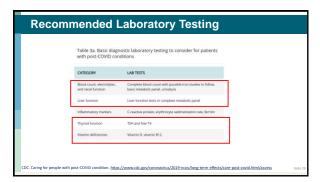
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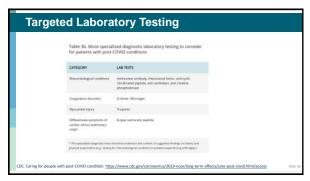
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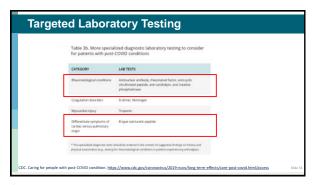
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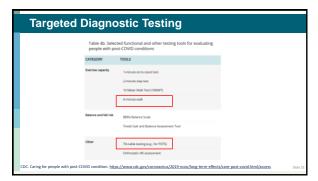


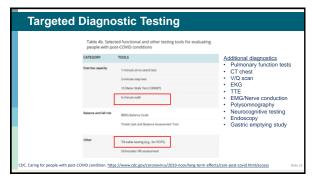




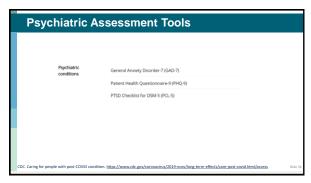
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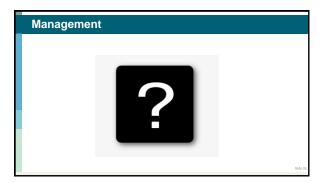






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Nirmatrelvir/Ritonavir Persistent viral reservoir SARS-CoV-2 detected in gut biopsies 4 months post-infection Spike antigen detected up to 12 months post-infection Nirmatrelvir/Ritonavir Trials Indianavir/Ritonavir Trials Frimary outcomes Composite symptom scores Symptom specific patient reported outcomes Ouality of life scales Gasteler C, Wang I, Lorrent JCC, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clinical Rev. et al. Nature 2021 Saves II, Stream I, Mankake Hill 7, et al. Clin Infect to 2022 State J, Clin Infect to 2022 Saves II, Stream II, Stre

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NHLBI RECOVER Initiative Define natural history, risk factors, pathobiology, treatment 17,000 meta cohort Geographically distributed hubs Comprehensive surveys Specimen collection for biorepository Triggered diagnostic testing Clinical trials under development RECOVER

Summary

- Long COVID may affect 20-25% of COVID-19 survivors
- Common symptoms: fatigue/PEM, dyspnea, brain fog, sleep, pain syndromes, dizzy, palpitations, anxiety/depression
- Multiple Long COVID phenotypes
- Work-up and management should be guided by clinical suspicion
- · Validate your patient

Slide 3

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