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# Neurological Manifestations of Long Covid

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# Disclosures

None

# Learning Objectives

- What is long covid
- Epidemiology
- Clinical Presentation of long covid
- Pathogenesis
- Treatment options
- Ongoing trials

# Long Covid

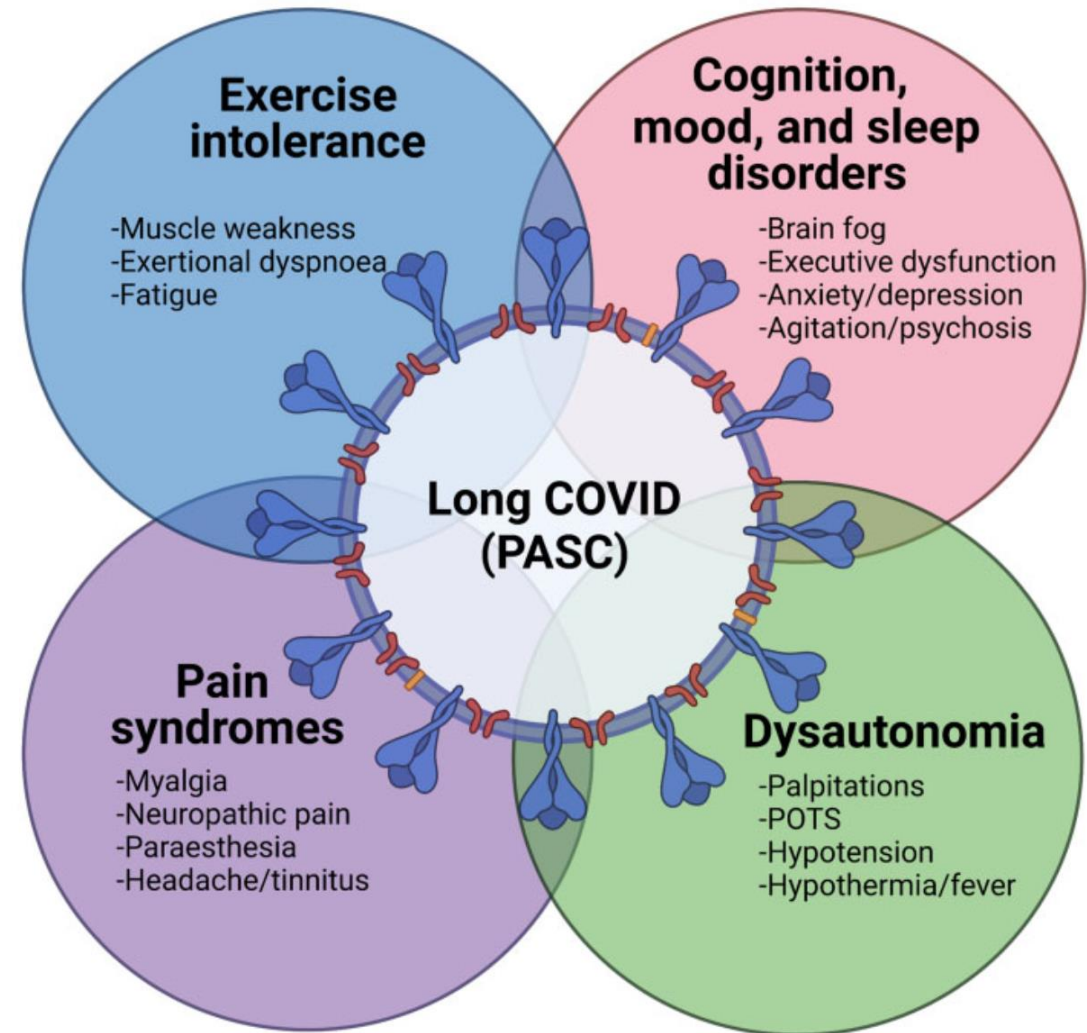
## WHO Definition

- Post COVID-19 condition occurs in individuals with a history of probable or confirmed SARS CoV-2 infection, usually 3 months from the onset of COVID-19 with symptoms that last for at least 2 months and cannot be explained by an alternative diagnosis.
- Common symptoms include fatigue, shortness of breath, cognitive dysfunction but also others and generally have an impact on everyday functioning.
- Symptoms may be new onset following initial recovery from an acute COVID-19 episode or persist from the initial illness. Symptoms may also fluctuate or relapse over time.



## Acute and chronic neurological disorders in COVID-19: potential mechanisms of disease

Erin F. Balcom,<sup>1</sup> Avindra Nath<sup>2</sup> and Christopher Power<sup>1</sup>



# Pathogenesis of Long Covid

- 1.Viral Reactivation
- 2.Persistent Viral Infection
- Immune dysregulation