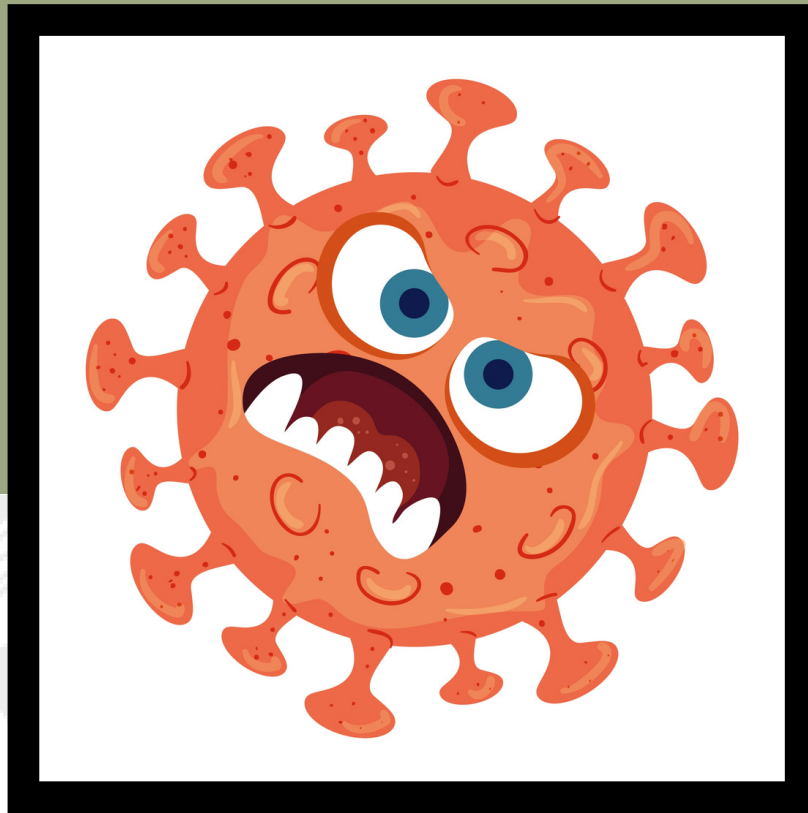


THE NORTHWEST WELLBEING HUB



HYPERBARIC OXYGEN THERAPY COVID-19 & LONG COVID

KEY POINTS

- Improved oxygenation and respiratory support
- Anti-inflammatory effects
- Tissue healing and regeneration
- Immune system modulation
- Relief from long COVID symptoms

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COVID-19 & LONG COVID

1. Improved oxygenation and respiratory support: COVID-19 can lead to respiratory distress and compromised oxygen levels in the body. HBOT involves breathing pure oxygen in a pressurised chamber, which can increase oxygen delivery to tissues, support respiratory function, and alleviate hypoxia (low oxygen levels). By enhancing oxygenation, HBOT may help improve respiratory symptoms and promote overall recovery.
2. Anti-inflammatory effects: COVID-19 can trigger a systemic inflammatory response in the body. HBOT has anti-inflammatory properties and can help modulate the immune response, reducing excessive inflammation. By mitigating inflammation, HBOT may help alleviate symptoms associated with COVID-19 and potentially prevent or minimise long-term complications.
3. Tissue healing and regeneration: COVID-19 can cause damage to various organs and tissues, such as the lungs, heart, and blood vessels. HBOT has been shown to support tissue healing and regeneration by promoting angiogenesis (formation of new blood vessels) and improving cellular metabolism. This may contribute to the repair and recovery of damaged tissues affected by COVID-19.
4. Immune system modulation: HBOT can modulate the immune system, helping to regulate immune responses. In the case of COVID-19, where immune dysregulation can contribute to disease severity, HBOT may help restore immune balance and enhance immune function. This modulation of the immune system may promote a more effective response against the virus and aid in recovery.
5. Relief from long COVID symptoms: Long COVID is characterised by a range of persistent symptoms, including fatigue, brain fog, and musculoskeletal pain. HBOT has shown potential in addressing some of these symptoms by improving oxygenation, reducing inflammation, and supporting tissue repair. By targeting these underlying mechanisms, HBOT may help alleviate the lingering effects of COVID-19 and improve overall well-being in individuals with long COVID.



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