

# Do patients with obstructive sleep apnea have an increased risk of COVID-19 complications?

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## Abstract

- \* Patients with obstructive sleep apnea (OSA) and lung disease have more prominent nocturnal hypoxemia.
- \* Nocturnal hypoxemia in patients with impaired lung function with co-morbid OSA can enhance the possible mechanisms through which presence of OSA has been associated with adverse outcomes
- \* Hypoxemia-, sympathetic over-activation-, increased oxidative stress-, and systemic inflammation-related to OSA may exaggerate symptoms associated with COVID-19.
- \* It can be suggested that presence of OSA may plays a role in the severity of symptoms associated with COVID-19.
- \* Further investigation in COVID-19 patients with previous diagnosis of OSA is warranted.

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