

Two mechanical ventilated cases of COVID-19 successfully managed with sequential ventilation weaning protocol: A case report

Peng M *et al.* Sequential weaning protocol for COVID-19

Mian Peng, Di Ren, Yong-Feng Liu, Xi Meng, Ming Wu, Rong-Lin Chen, Bao-Jun Yu, Long-Cheng Tao, Li Chen, Zeng-Qiao Lai

Abstract

BACKGROUND

Patients with critical coronavirus disease 2019 (COVID-19) characterized by

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Coronavirus disease 2019 (COVID-19) - Approach | BMJ Best ...

<https://bestpractice.bmj.com/topics/en-gb/3000168/management-approach> ▾

Indirect and low-certainty evidence suggests that non-invasive **ventilation** probably reduces mortality in patients with **COVID-19**, similar to **mechanical ventilation**, but may increase the risk of viral transmission. Schönemann HJ, Khabsa J, Solo K, et al. **Ventilation** techniques and risk for transmission of coronavirus disease, including **COVID-19**.

Clinical Management of Patients with Moderate to Severe ...

<https://www.canada.ca/.../clinical-management-covid-19.html> ▾

In severe **cases**, **COVID-19** can be complicated by ARDS; sepsis and septic shock; and multiorgan failure, including acute kidney injury and cardiac injury Footnote 2. Older age and co-morbid disease have been reported as risk factors for death, and recent multivariate analysis confirmed that older age and higher **Sequential** Organ Failure Assessment ...

History of Changes for Study: NCT04357730

https://clinicaltrials.gov/ct2/history/NCT04357730?V_4=View ▾

As the **COVID-19** pandemic accelerates, **cases** have grown exponentially around the world. Other countries' experience suggests that 5-16% of **COVID-19** in-patients will undergo prolonged intensive care with 50-70% needing **mechanical ventilation**(MV) threatening to overwhelm hospital capacity.

BOSTON MEDICAL CENTER MICU AND PULMONARY COVID ...

www.bumc.bu.edu/...center-micu-covid-19-best-practices ▾

Mortality: Age >60 years 3.6%, 70-79 years 8%, >80 years 14.8%, **Mechanical ventilation** 40%;

Timeline. Hospitalized ~8 days after exposure: Hospital resources are all routed to **COVID-19** patients



Two mechanical ventilated cases of COVID-19 successfully managed with



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[Obstetrics - COVID-19 Protocols](https://covidprotocols.org/protocols/obstetrics)

<https://covidprotocols.org/protocols/obstetrics>

May 27, 2020 · Brigham and Women's Hospital **COVID-19** Clinical Guidelines. Updated: May 27, 2020. Health care providers are encouraged to enroll females exposed to **COVID-19** during pregnancy in the PRIORITY registry (Pregnancy CoRonavirus Outcomes ReglsTrY) Information for pregnant patients about **COVID-19** in 7 different languages can be found online via Pregistry here.

[Management of Patients with Confirmed 2019-nCoV | CDC](https://www.cdc.gov/coronavirus/2019-ncov/hcp/)

[https://www.cdc.gov/coronavirus/2019-ncov/hcp/...](https://www.cdc.gov/coronavirus/2019-ncov/hcp/)

Jun 30, 2020 · Age is a strong risk factor for severe illness, complications, and death. 1,6,8,14,36-40 Among >44,000 confirmed **cases of COVID-19** in China, the **case** fatality rate was highest among older persons: ≥80 years, 14.8%; 70–79 years, 8.0%; 60–69 years, 3.6%; 50–59 years, 1.3%; 40–49 years, 0.4%; <40 years, 0.2%. 36,41 In early U.S ...

[Clinical Management of Patients with Moderate to Severe ...](https://www.canada.ca/.../clinical-management-covid-19.html)

<https://www.canada.ca/.../clinical-management-covid-19.html>

In severe **cases**, **COVID-19** can be complicated by ARDS; ... Reduce days of invasive **mechanical ventilation**: Use **weaning** protocols that include daily assessment for readiness to breathe spontaneously. ... fetal distress and preterm birth reported. There was one **case** of stillbirth and one **case** of neonatal death in 38 **cases** from China. (68,69).

[A comprehensive protocol for ventilator weaning and ...](https://jintensivecare.biomedcentral.com/articles/10.1186/s40560-019-0402-4)

<https://jintensivecare.biomedcentral.com/articles/10.1186/s40560-019-0402-4>

Nov 06, 2019 · **Ventilator weaning** protocols have been shown to reduce the duration of **mechanical ventilation** (MV), intensive care unit length of stay, and resource use. However, **weaning** protocols have not significantly affected mortality or reintubation rates. The extubation process is a critical component of respiratory care in patients who receive MV. Post-extubation respiratory failure (PERF) is a common ...

Author: Kenichi Nitta, Kazufumi Okamoto, Hir... **Publish Year:** 2019