

Oxygenation and Ventilation | COVID-19 Treatment Guidelines

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Dec 17, 2020 · In adults with COVID-19 and acute hypoxemic respiratory failure, conventional oxygen therapy may be insufficient to meet the oxygen needs of the patient. Options for providing enhanced respiratory support include HFNC, NIPPV, intubation and...

Extracorporeal Membrane Oxygenation for Patients With ...

<https://jamanetwork.com/journals/jamasurgery/fullarticle/2769429>

Oct 01, 2020 · Venovenous extracorporeal membrane oxygenation (ECMO) has been used in severe cases of respiratory failure. 2 However, the need for prolonged ventilation, sedation, and immobility may limit its long-term benefits. 3 The application of ECMO in patients with COVID-19 whose condition has rendered mechanical ventilatory support insufficient is not ...

Cited by: 16

Author: Asif K Mustafa, Philip J Alexander, Devan...

Publish Year: 2020

Successfully treatment of application awake extracorporeal ...

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Dec 17, 2020 · A 49-year-old female patient was diagnosed with COVID-19 and progressed to critical cases, she was successfully treated with the application of awake extracorporeal membrane oxygenation. This case is the first reported successfully treatment of application awake ECMO in critical COVID-19 patient in China.

Author: Junyi Tang, Wencan Li, Fanli Jiang, T...

Publish Year: 2020

What Is ECMO for COVID-19? | U.S. News

<https://health.usnews.com/articles/what-is-ecmo-for-covid-19>

Oct 21, 2020 · Extracorporeal membrane oxygenation, or ECMO, replaces the function of the heart and lungs. ECMO is helping some COVID-19 patients for ...

Extracorporeal Membrane Oxygenation for Adult Respiratory ...

[https://journal.chestnet.org/article/S0012-3692\(17\)31089-9/fulltext](https://journal.chestnet.org/article/S0012-3692(17)31089-9/fulltext)

Jun 19, 2017 · The use of extracorporeal membrane oxygenation (ECMO) for respiratory failure in adults is growing rapidly, driven in large part by advances in technology, which have made ECMO devices easier to implement and safer and more efficient. Accompanying this increase in use is a nearly exponential increase in ECMO-related literature. However, the great majority of the literature is ...

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Author: Junyi Tang, Wencan Li, Fanli Jiang, T... Publish Year: 2020

Acute Respiratory Distress Syndrome Treated With Awake ...

<https://europepmc.org/article/MED/33262038> ▾

Nov 10, 2020 · Awake and fully mobile ECMO has proven to be beneficial in patients with ARDS induced by pneumocystis pneumonia, immunocompromised patients, and patients requiring extracorporeal life support. 5, 6, 7 However, the use of awake ECMO has not been reported in ARDS patients secondary to COVID-19 pneumonia.

Cited by: 1

Author: Tong Li, Peng-Fei Yin, Ang Li, Maxwell R ...

Publish Year: 2020

Extracorporeal membrane oxygenation support in COVID-19 ...

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)32008-0/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)32008-0/fulltext)

Sep 25, 2020 · Multiple major health organisations recommend the use of extracorporeal membrane oxygenation (ECMO) support for COVID-19-related acute hypoxaemic respiratory failure.

Cited by: 91

Author: Ryan P Barbaro, Graeme MacLaren, Phili...

Publish Year: 2020

Recovery from respiratory failure after 49-day ...

<https://pubmed.ncbi.nlm.nih.gov/33542973>

Background: Respiratory failure is a life-threatening complication of coronavirus disease 2019 (COVID-19)-related acute respiratory distress syndrome. Extracorporeal membrane oxygenation (ECMO) in COVID-19 might offer promise based on our clinical experience. However, few critically ill cases with COVID-19 have been weaned off ECMO.

Author: Fengwei Guo, Chao Deng, Tao Shi, Y... Publish Year: 2021

Veno-Arterial-Venous Extracorporeal Membrane ...

<https://pubmed.ncbi.nlm.nih.gov/33008007>

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 61232

Manuscript Type: CASE REPORT

Awake extracorporeal membrane oxygenation support for a critically ill COVID-19 patient: A case report

Zhang JC *et al.* Awake ECMO support for COVID-19 patient

Jing-Chen Zhang, Tong Li

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Extracorporeal membrane oxygenation support in COVID-19 ...

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COVID-19: Extracorporeal membrane oxygenation (ECMO ...

<https://www.uptodate.com/contents/covid-19...>

Mar 10, 2021 · Biancari F, Mariscalco G, Dalén M, et al. Six-Month Survival After Extracorporeal Membrane Oxygenation for Severe COVID-19. J Cardiothorac Vasc Anesth 2021. Bhatraju PK, Ghassemieh BJ, Nichols M, et al. Covid-19 in Critically Ill Patients in the Seattle Region - Case Series. N Engl J Med 2020; 382:2012.

Recovery from respiratory failure after 49-day ...

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Author: Fengwei Guo, Chao Deng, Tao Shi, Y... Publish Year: 2021

Veno-Arterial-Venous Extracorporeal Membrane ...

<https://pubmed.ncbi.nlm.nih.gov/33008007>

In the severe case of coronavirus disease 2019 (COVID-19), which simultaneously affects the heart and lungs, VAV-ECMO membrane oxygenation is a life-saving treatment. We report the case of a 70-year-old