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### Evaluation of PEEP and prone positioning in early COVID-19 ...

[https://www.thelancet.com/journals/eclinm/article/PIIS2589-5370\(20\)30323-0/fulltext](https://www.thelancet.com/journals/eclinm/article/PIIS2589-5370(20)30323-0/fulltext)

In face of the Coronavirus Disease (COVID)-19 pandemic, best practice for mechanical ventilation in COVID-19 associated Acute Respiratory Distress Syndrome (ARDS) is intensely debated. Specifically, the rationale for **high positive end-expiratory pressure (PEEP)** and prone positioning in early COVID-19 ARDS has been questioned.

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Author: Mirja Mittermaier, Philipp Pickerodt, Flori...

Publish Year: 2020

### Oxygenation and Ventilation | COVID-19 Treatment Guidelines

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Dec 17, 2020 · The Panel recommends using a higher positive end-expiratory pressure (PEEP) strategy over a lower PEEP strategy (BIIa). For mechanically ventilated adults with COVID-19 and refractory hypoxemia despite optimized ventilation, the Panel recommends **prone** ventilation for 12 to 16 hours per day over no prone ventilation (BIIa). Rationale

### Effect of Positive End-Expiratory Pressure and Proning on ...

<https://pubmed.ncbi.nlm.nih.gov/33075235>

Effect of Positive End-Expiratory Pressure and Proning on Ventilation and Perfusion in COVID-19 Acute Respiratory Distress Syndrome Am J Respir Crit Care Med . 2020 Dec 15;202(12):1713-1717. doi: 10.1164/rccm.202008-3058LE.

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Author: François Perier, Samuel Tuffet, Tommaso...

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### Prone Position in Management of COVID-19 Patients; a ...

<https://pubmed.ncbi.nlm.nih.gov/32309812>

SARS-CoV-2 virus causes a pneumonia that was identified through fever, dyspnea, and acute respiratory symptoms and named COVID-19. This disease exacerbates in a number of patients and causes pulmonary edema, multi-organ failure, and acute respiratory distress syndrome (ARDS). Prevalence of ARDS among COVID-19 patients has been reported to be up to 17%.

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Author: Parisa Ghelichkhani, Maryam Esmaeili

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### Evaluation of PEEP and prone positioning in early COVID-19 ...

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Oct 10, 2020 · In face of the Coronavirus Disease (COVID)-19 pandemic, best practice for mechanical ventilation in COVID-19 associated Acute Respiratory Distress Syndrome (ARDS) is intensely debated....

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### Evaluation of PEEP and prone positioning in early COVID-19 ...

<https://pubmed.ncbi.nlm.nih.gov/33073217>

Decremental PEEP trials confirmed the need for high PEEP (17.9 (SD ± 3.9) mbar) for optimal oxygenation, while driving pressures remained low. Prone positioning substantially increased oxygenatio...

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Author: Mirja Mittermaier, Philipp Pickerodt, Florian...

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### [PDF] Evaluation of PEEP and prone positioning in early COVID-19 ...

[https://www.thelancet.com/pdfs/journals/eclinm/PIIS2589-5370\(20\)30323-0.pdf](https://www.thelancet.com/pdfs/journals/eclinm/PIIS2589-5370(20)30323-0.pdf)

Interpretation: In early COVID-19 ARDS, substantial PEEP values were required for optimizing oxygenation. Pulmonary opacities resolved during mechanical ventilation with high PEEP suggesting...

### Oxygenation and Ventilation | COVID-19 Treatment Guidelines

<https://www.covid19treatmentguidelines.nih.gov/...> ▾

Dec 17, 2020 · The Panel recommends using a higher positive end-expiratory pressure (PEEP) strategy over a lower PEEP strategy (BIIa). For mechanically ventilated adults with COVID-19 and refractory...

### [PDF] High-Flow, Noninvasive Ventilation and Awake ...

[https://journal.chestnet.org/article/S0012-3692\(20\)31910-3/pdf](https://journal.chestnet.org/article/S0012-3692(20)31910-3/pdf)

positive end-expiratory pressure (PEEP) lung-protective ... we discuss the potential role of HFNC, NIV (including helmet), and awake proning in the management of COVID-19-induced acute respiratory failur...

### Role of awake prone positioning in patients with moderate ...

<https://pubmed.ncbi.nlm.nih.gov/33666067>

Awake prone positioning is a valuable and safe therapeutic adjunct that can be applied in patients with moderate-to-severe COVID-19. It can also be included in the home-based management protocols of...

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Author: Iffat Khanum, Fatima Samar, Yousef Fatim

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**Role of Proning and PEEP in COVID-19**

Proning & PEEP in COVID-19

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Role of proning and positive end-expiratory pressure in COVID-19



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### Prone Position of Patients With COVID-19 and Acute ...

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May 30, 2020 · The Society of Critical Care Medicine Surviving Sepsis Campaign COVID-19 Guidelines 6 found weak evidence supporting the efficacy of high-flow nasal cannula and ... and higher **positive end-expiratory pressure** (PEEP) should be followed. 4, 6 Other interventions include ... Enteral feedings are held before **proning** the patient but are often re ...

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