

Appendix 1. Medline search strategy

(awake[tiab] OR noninvasive[tiab] OR non invasive[tiab] OR nonintubated[tiab] OR non intubated[tiab] OR selfproning[tiab] OR self proning[tiab] OR spontaneous breath*[tiab]) AND (((covid*[tiab] OR SARS-CoV-2[tiab] OR 2019-nCoV[tiab] OR coronavirus*[tiab] OR corona virus*[tiab] OR nCov 2019[tiab] OR sars[tiab] OR MERS[tiab] OR pneumoni*[tiab] OR lung inflammation*[tiab] OR Pulmonary Inflammation*[tiab] OR Severe Acute Respiratory Syndrome[tiab] OR Middle East respiratory syndrome[tiab] OR Shock Lung[tiab] OR ARDS[tiab] OR Acute Respiratory Distress Syndrome[tiab] OR Adult Respiratory Distress Syndrome[tiab] OR Respiratory disease*[tiab] OR Respiratory failure[tiab]) OR ((Respiratory tract diseases[mh] OR Respiratory tract infections[mh] OR Lung diseases[mh] OR Coronavirus[mh] OR COVID-19[Supplementary Concept]) NOT (animals[mh] NOT humans[mh]))) AND (Prone position[mh] OR (Prone[tiab] AND position*[tiab]) OR Proned[tiab] OR Proning[tiab] OR Pronation[tiab] OR prone ventilat*[tiab] OR (ventral[tiab] AND downward[tiab]) OR face down[tiab]))

Appendix 2. List of excluded full text papers

First Author	Study Name	Reason for Exclusion
Alhazzani	Surviving Sepsis Campaign: guidelines on the management of critically ill adults with Coronavirus Disease 2019 (COVID-19)	Guideline only
Bamford	ICS Guidance for the Prone Positioning of the Conscious COVID Patient 2020	Guideline only
Cordero	Soporte ventilatorio no invasivo y posición prono despierto en paciente con COVID-19	Narrative review
Dikmen	Prone position in nonintubated hypoxemic respiratory failure. New tool to avoid endotracheal intubation?	Narrative review
Feltracco	Noninvasive ventilation in postoperative care of lung transplant recipients	Post-operative transplant patients
Feltracco	Noninvasive high-frequency percussive ventilation in the prone position after lung transplantation	Post-operative transplant patients
Feltracco	Non-invasive ventilation in prone position for refractory hypoxemia after bilateral lung transplantation	Post-operative transplant patients
Ghomari	Experience of the practice of prone position in patients with acute respiratory distress syndrome in intensive care (CHU Oran)	Intubated patients
Guerin	Prone positioning in severe acute respiratory distress syndrome	Intubated patients
Hasanin	Evaluation of fluid responsiveness during COVID-19 pandemic: what are the remaining choices?	Not related to prone positioning
Huang	Early and Critical Care in Severe Patients with COVID-19 in Jiangsu Province, China: A Descriptive Study	General descriptive paper, limited empirical data, wide ranging interventions
Karamouzou	High flow nasal cannula oxygen therapy in adults with COVID-19 respiratory failure. A case report	PP not part of intervention
Lee	Airway Pressure Release Ventilation Combined With Prone Positioning in Acute Respiratory Distress Syndrome: Old Tricks New Synergy: A Case Series	Intubated patients
Lin	Effect of body position on gas exchange in patients with idiopathic pulmonary alveolar proteinosis - No benefit of prone positioning	Patients with IPAP – chronic lung disease
Lindahl	Using the prone position could help to combat the development of fast hypoxia in some patients with COVID-19	Narrative mini-review – focus on physiological changes and mechanism of prone positioning
Longhini	Helmet Continuous Positive Airway Pressure and prone positioning: a proposal for an early management of COVID-19 patients	Suggested guideline
Ludwin	Cardiopulmonary Resuscitation in the prone position: a good option for patients with COVID-19	Guidance for CPR for patients in PP
Mędrzycka-Dąbrowska	Prone ventilation of critically ill adults with COVID-19: how to perform CPR in cardiac arrest?	Guidance for CPR for patients in PP
Qadir	Adjunctive Therapies in ARDS: The Disconnect Between Clinical Trials and Clinical Practice	Narrative piece
Sarma	Prone Positioning in Awake, Nonintubated Patients With COVID-19: Necessity Is the Mother of Invention	Review article
Scaravilli	Corrigendum to Reply to: Prone position in nonintubated hypoxemic respiratory failure. New tool to avoid endotracheal intubation? [J Crit Care 30/6 (2015) Page 1416]	Published correspondence
Sugimoto	Humidifier Use and Prone Positioning in a Patient with Severe COVID-19 Pneumonia and Endotracheal Tube Impaction Due to Highly Viscous Sputum	Intubated patient
Sun	Lower mortality of COVID-19 by early recognition and intervention: experience from Jiangsu Province	Descriptive article – multi-faceted intervention
Telias	Is the Prone Position Helpful During Spontaneous Breathing in Patients With COVID-19?	Descriptive paper with focus on physiological changes and mechanism of PP
Vittorio	Reply to: Prone position in nonintubated hypoxemic respiratory failure. New tool to avoid endotracheal intubation?	Published correspondence
Winck	COVID-19 pandemic and non invasive respiratory management: Every Goliath needs a David. An evidence based evaluation of problems	Narrative review