Driving Pressure and Survival in the Acute Respiratory

New England Journal of Medicine
372, 747-755
DOI: 10.1056/nejmsa1410639

Citation Report

#	Article	IF	Citations
1	Prolonged prone positioning under VV-ECMO is safe and improves oxygenation and respiratory compliance. Annals of Intensive Care, 2015, 5, 35.	4.6	66
2	Extracorporeal decarboxylation in patients with severe traumatic brain injury and ARDS enables effective control of intracranial pressure. Critical Care, 2015, 19, 381.	5.8	29
3	Advances in the support of respiratory failure: putting all the evidence together. Critical Care, 2015, 19, S4.	5.8	5
4	Dissipated energy during protective mechanical ventilation. Intensive Care Medicine Experimental, 2015, 3, .	1.9	0
5	Re-tooling critical care to become a better intensivist: something old and something new. Critical Care, 2015, 19, S3.	5.8	3
6	Ultra-Low Tidal Volumes And Extracorporeal Carbon Dioxide Removal (HemolungÂ® Ras) in Ards Patients. a Clinical Feasibility Study. Intensive Care Medicine Experimental, 2015, 3, .	1.9	6
7	Open Lung in Lateral Decubitus With Differential Selective Positive End-Expiratory Pressure in an Experimental Model of Early Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2015, 43, e404-e411.	0.9	9
8	Microparticles. Critical Care Medicine, 2015, 43, 2700-2701.	0.9	0
9	Goal-Directed Mechanical Ventilation in Pediatric Acute Respiratory Distress Syndrome. Pediatric Critical Care Medicine, 2015, 16, 679-681.	0.5	0
10	Risk Factors for Mortality and Outcomes in Pediatric Acute Lung Injury/Acute Respiratory Distress Syndrome*. Pediatric Critical Care Medicine, 2015, 16, e194-e200.	0.5	39
11	Comparison of Tidal Volumes at the Endotracheal Tube and at the Ventilator*. Pediatric Critical Care Medicine, 2015, 16, e324-e331.	0.5	13
12	When Is the Appropriate Time for Pediatric Acute Respiratory Distress Syndrome Classification?. Critical Care Medicine, 2015, 43, e325-e326.	0.9	1
13	AUTOMATIC MONITORING OF PLATEAU AND DRIVING PRESSURE DURING PRESSURE AND VOLUME CONTROLLED VENTILATION. Intensive Care Medicine Experimental, 2015, 3, A998.	1.9	2
14	Influence of different degrees of head elevation on respiratory mechanics in mechanically ventilated patients. Revista Brasileira De Terapia Intensiva, 2015, 27, 347-52.	0.3	8
15	Driving Pressure as a Key Ventilation Variable. New England Journal of Medicine, 2015, 372, 2071-2072.	27.0	6
17	Treatment of Acute Respiratory Distress Syndrome in the Poisoned Patient. , 2015, , 1-25.		1
18	Computational simulation indicates that moderately high-frequency ventilation can allow safe reduction of tidal volumes and airway pressures in ARDS patients. Intensive Care Medicine Experimental, 2015, 3, 33.	1.9	3
19	PEEP titration during prone positioning for acute respiratory distress syndrome. Critical Care, 2015, 19, 436.	5.8	25

#	Article	IF	Citations
20	Lung anatomy, energy load, and ventilator-induced lung injury. Intensive Care Medicine Experimental, 2015, 3, 34.	1.9	84
22	Does high-pressure, high-frequency oscillation shake the foundations of lung protection?. Intensive Care Medicine, 2015, 41, 2210-2212.	8.2	6
23	Driving Pressure and Respiratory Mechanics in ARDS. New England Journal of Medicine, 2015, 372, 776-777.	27.0	51
24	Mechanical ventilation of acute respiratory distress syndrome. Journal of Intensive Care, 2015, 3, 25.	2.9	44
25	PReVENT - protective ventilation in patients without ARDS at start of ventilation: study protocol for a randomized controlled trial. Trials, 2015, 16, 226.	1.6	41
26	Respective impact of lowering body temperature and heart rate on mortality in septic shock: mediation analysis of a randomized trial. Intensive Care Medicine, 2015, 41, 1800-1808.	8.2	28
27	Physiology and evidence join in favor of prone decubitus. Medicina Intensiva (English Edition), 2015, 39, 327-328.	0.2	1
28	Recent Advances in the Management of the Acute Respiratory Distress Syndrome. Clinics in Chest Medicine, 2015, 36, 481-496.	2.1	22
29	One-year experience with an acute respiratory distress syndrome standard operating procedure on intensive care unit. Journal of Critical Care, 2015, 30, 1114-1118.	2.2	5
30	Intraoperative protective mechanical ventilation and risk of postoperative respiratory complications: hospital based registry study. BMJ, The, 2015, 351, h3646.	6.0	221
31	FisiologÃa y evidencia se unen en favor de la posiciÃ³n de decÃºbito prono. Medicina Intensiva, 2015, 39, 327-328.	0.7	5
32	History of Mechanical Ventilation. From Vesalius to Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1106-1115.	5.6	147
33	Intraoperative ventilation strategies to prevent postoperative pulmonary complications: Systematic review, meta-analysis, and trial sequential analysis. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 331-340.	4.0	28
34	Post-operative pulmonary complications: Understanding definitions and risk assessment. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 315-330.	4.0	39
35	Recruitment Maneuvers and PEEP Titration. Respiratory Care, 2015, 60, 1688-1704.	1.6	105
36	Understanding lung protection. Intensive Care Medicine, 2015, 41, 2184-2186.	8.2	3
37	Pneumonies aiguÃ«s communautaires: peut-on encore en amÃ©liorer le pronostic?. Revue Des Maladies Respiratoires Actualites, 2015, 7, 227-237.	0.0	0
38	Acquiring knowledge in intensive care: merits and pitfalls of randomized controlled trials. Intensive Care Medicine, 2015, 41, 1460-1464.	8.2	21

#	Article	IF	Citations
39	Perioperative ventilatory strategies in cardiac surgery. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 381-395.	4.0	31
40	Ventilation and gas exchange management after cardiac arrest. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 413-424.	4.0	7
41	Altering the mechanical scenario to decrease the driving pressure. Critical Care, 2015, 19, 342.	5.8	19
42	Did studies on HFOV fail to improve ARDS survival because they did not decrease VILI? On the potential validity of a physiological concept enounced several decades ago. Intensive Care Medicine, 2015, 41, 2076-2086.	8.2	21
43	Intraoperative mechanical ventilation strategies for one-lung ventilation. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 357-369.	4.0	52
44	Low-Flow Extracorporeal Carbon Dioxide Removal. Moving Closer to Reality. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 651-652.	5.6	4
45	Characterization of inflammation in a rat model of acute lung injury after repeated pulmonary lavage. Experimental Lung Research, 2015, 41, 466-476.	1.2	2
46	Low Tidal Volume Ventilation: Trust but Verify. Respiratory Care, 2015, 60, 1852-1853.	1.6	0
47	ARDS in 2015: new clinical directions, new biological insights. Lancet Respiratory Medicine,the, 2015, 3, 912-913.	10.7	10
48	Intraoperative mechanical ventilation for the pediatric patient. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 371-379.	4.0	26
49	Electrical impedance tomography: functional lung imaging on its way to clinical practice?. Expert Review of Respiratory Medicine, 2015, 9, 721-737.	2.5	41
50	Efficacy of prone position in acute respiratory distress syndrome patients: A pathophysiology-based review. World Journal of Critical Care Medicine, 2016, 5, 121.	1.8	87
51	Promising but still uncertain steps towards better prediction of functional outcome in ICU patients. Journal of Thoracic Disease, 2016, 8, E838-E840.	1.4	1
52	On the complexity of scoring acute respiratory distress syndrome: do not forget hemodynamics!. Journal of Thoracic Disease, 2016, 8, E758-E764.	1.4	7
53	Detection of patient-ventilator asynchrony should be improved: and then what?. Journal of Thoracic Disease, 2016, 8, E1661-E1664.	1.4	3
54	A mortality score for acute respiratory distress syndrome: predicting the future without a crystal ball. Journal of Thoracic Disease, 2016, 8, 1872-1876.	1.4	12
55	Mechanical ventilation in acute respiratory distress syndrome at ATS 2016: the search for a patient-specific strategy. Journal of Thoracic Disease, 2016, 8, S550-S552.	1.4	5
56	Noninvasive ventilation for acute respiratory distress syndrome: the importance of ventilator settings. Journal of Thoracic Disease, 2016, 8, E982-E986.	1.4	14

#	Article	IF	Citations
57	The APPS: an outcome score for the acute respiratory distress syndrome. Journal of Thoracic Disease, 2016, 8, E1343-E1347.	1.4	6
58	Acute respiratory distress syndrome and mechanical ventilation: ups and downs of an ongoing relationship trap. Journal of Thoracic Disease, 2016, 8, E1608-E1609.	1.4	3
59	Association of Patient Care with Ventilator-Associated Conditions in Critically Ill Patients: Risk Factor Analysis. PLoS ONE, 2016, 11, e0153060.	2.5	10
60	Sepsis and Acute Respiratory Distress Syndrome: Recent Update. Tuberculosis and Respiratory Diseases, 2016, 79, 53.	1.8	134
62	A Retrospective Observational Case Series of Low-Flow Venovenous Extracorporeal Carbon Dioxide Removal Use in Patients with Respiratory Failure. ASAIO Journal, 2016, 62, 458-462.	1.6	23
63	Current incidence and outcome of the acute respiratory distress syndrome. Current Opinion in Critical Care, 2016, 22, 1-6.	3.2	155
64	The promises and problems of transpulmonary pressure measurements in acute respiratory distress syndrome. Current Opinion in Critical Care, 2016, 22, 7-13.	3.2	25
65	Postoperative respiratory disorders. Current Opinion in Critical Care, 2016, 22, 379-385.	3.2	33
66	Impact of Recruitment on Static and Dynamic Lung Strain in Acute Respiratory Distress Syndrome. Anesthesiology, 2016, 124, 443-452.	2.5	9
67	Open Lung Approach for the Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, 32-42.	0.9	215
68	Pulse Pressure Variations in Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, 452-453.	0.9	6
69	Volume Delivered During Recruitment Maneuver Predicts Lung Stress in Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2016, 44, 91-99.	0.9	33
70	Lung Protective Ventilator Strategies. Critical Care Medicine, 2016, 44, 244-245.	0.9	7
71	Liver Cirrhosis is Independently Associated With 90-Day Mortality in ARDS Patients. Shock, 2016, 45, 16-21.	2.1	48
72	Management of One-lung Ventilation. Anesthesiology, 2016, 124, 1286-1295.	2.5	134
73	Should We Embrace the â€œOpen Lungâ€•Approach?*. Critical Care Medicine, 2016, 44, 237-238.	0.9	5
74	Acute respiratory distress syndrome. Current Opinion in Critical Care, 2016, 22, 38-44.	3.2	38
75	Open lung approach ventilation abolishes the negative effects of respiratory rate in experimental lung injury. Acta Anaesthesiologica Scandinavica, 2016, 60, 1131-1141.	1.6	12

#	Article	IF	Citations
76	Update in Critical Care 2015. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 19-25.	5.6	7
77	Failure to Improve the Oxygenation Index Is a Useful Predictor of Therapy Failure in Acute Respiratory Distress Syndrome Clinical Trials. Critical Care Medicine, 2016, 44, e40-e44.	0.9	15
78	There is no cephalocaudal gradient of computed tomography densities or lung behavior in supine patients with acute respiratory distress syndrome. Acta Anaesthesiologica Scandinavica, 2016, 60, 767-779.	1.6	6
79	Role of Strain Rate in the Pathogenesis of Ventilator-Induced Lung Edema*. Critical Care Medicine, 2016, 44, e838-e845.	0.9	112
80	Effect of driving pressure on mortality in ARDS patients during lung protective mechanical ventilationÂin two randomized controlled trials. Critical Care, 2016, 20, 384.	5.8	161
81	Multivariable fractional polynomial interaction to investigate continuous effect modifiers in a meta-analysis on higher versus lower PEEP for patients with ARDS. BMJ Open, 2016, 6, e011148.	1.9	13
82	Regional tidal lung strain in mechanically ventilated normal lungs. Journal of Applied Physiology, 2016, 121, 1335-1347.	2.5	39
83	Sepsis for the anaesthetist. British Journal of Anaesthesia, 2016, 117, iii44-iii51.	3.4	13
84	ESICM LIVES 2016: part two. Intensive Care Medicine Experimental, 2016, 4, .	1.9	5
85	Body volumes and fluid kinetics. , 0, , 41-51.		0
87	Personalized medicine for ARDS: the 2035 research agenda. Intensive Care Medicine, 2016, 42, 756-767.	8.2	58
88	Driving pressure and intraoperative protective ventilation. Lancet Respiratory Medicine,the, 2016, 4, 243-245.	10.7	7
89	Spontaneous Effort During Mechanical Ventilation: Maximal Injury With Less Positive End-Expiratory Pressure*. Critical Care Medicine, 2016, 44, e678-e688.	0.9	142
90	Should PEEP Titration Be Based on Chest Mechanics in Patients With ARDS?. Respiratory Care, 2016, 61, 876-890.	1.6	26
91	End-Expiratory Lung Volume in Patients with Acute Respiratory Distress Syndrome: A Time Course Analysis. Lung, 2016, 194, 527-534.	3.3	5
92	Peak Pressures and PaO2/FiO2 Ratios Are Associated With Adverse Outcomes in Patients on Mechanical Ventilators. American Journal of the Medical Sciences, 2016, 351, 638-641.	1.1	3
93	Increasing positive end-expiratory pressure (re-)improves intraoperative respiratory mechanics and lung ventilation after prone positioning. British Journal of Anaesthesia, 2016, 116, 838-846.	3.4	30
94	How ARDS should be treated. Critical Care, 2016, 20, 86.	5.8	31

#	Article	IF	Citations
95	The standard of care of patients with ARDS: ventilatory settings and rescue therapies for refractory hypoxemia. Intensive Care Medicine, 2016, 42, 699-711.	8.2	176
97	ATS Core Curriculum 2016: Part II. Adult Critical Care Medicine. Annals of the American Thoracic Society, 2016, 13, 731-740.	3.2	0
98	The Intensivist's Challenge. , 2016, , .		1
99	Critical Care Updates for the Nephrologist, 2016. Advances in Chronic Kidney Disease, 2016, 23, 136-140.	1.4	0
100	Acute respiratory distress syndrome. Lancet, The, 2016, 388, 2416-2430.	13.7	306
101	Clinical challenges in mechanical ventilation. Lancet, The, 2016, 387, 1856-1866.	13.7	107
102	Intra-operative adherence to lung-protective ventilation: a prospective observational study. Perioperative Medicine (London, England), 2016, 5, 8.	1.5	17
103	Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis. Intensive Care Medicine, 2016, 42, 1672-1684.	8.2	176
104	Intratidal recruitment/derecruitment persists at low and moderate positive end-expiratory pressure in paediatric patients. Respiratory Physiology and Neurobiology, 2016, 234, 9-13.	1.6	12
105	Transpulmonary Pressure: The Importance of Precise Definitions and Limiting Assumptions. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1452-1457.	5.6	83
106	Acute Respiratory Distress Syndrome and Lung Protective Ventilation. , 2016, , 115-125.		0
107	ESICM LIVES 2016: part one. Intensive Care Medicine Experimental, 2016, 4, .	1.9	5
108	Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PRoVENT): an international, multicentre, prospective study. Lancet Respiratory Medicine,the, 2016, 4, 882-893.	10.7	137
109	Transpulmonary and pleural pressure in a respiratory system model with an elastic recoiling lung and an expanding chest wall. Intensive Care Medicine Experimental, 2016, 4, 26.	1.9	11
110	Biotrauma and Ventilator-Induced LungÂInjury. Chest, 2016, 150, 1109-1117.	0.8	176
111	Rationale and Description of Right Ventricle-Protective Ventilation in ARDS. Respiratory Care, 2016, 61, 1391-1396.	1.6	67
112	Ultrasonography for the assessment of lung recruitment maneuvers. The Ultrasound Journal, 2016, 8, 8.	2.0	71
113	Lung injury-induced skeletal muscle wasting in aged mice is linked to alterations in long chain fatty acid metabolism. Metabolomics, 2016, 12, 1.	3.0	8

#	Article	IF	Citations
114	High respiratory rate is associated with early reduction of lung edema clearance in an experimental model of <scp>ARDS</scp>. Acta Anaesthesiologica Scandinavica, 2016, 60, 79-92.	1.6	20
115	Severe community-acquired pneumonia: timely management measures in the first 24 hours. Critical Care, 2016, 20, 237.	5.8	54
116	Airway driving pressure and lung stress in ARDS patients. Critical Care, 2016, 20, 276.	5.8	129
117	Electroporation-mediated delivery of the FER gene in the resolution of trauma-related fatal pneumonia. Gene Therapy, 2016, 23, 785-796.	4.5	12
118	Advances in Stem Cell and Cell-Based Gene Therapy Approaches for Experimental Acute Lung Injury: A Review of Preclinical Studies. Human Gene Therapy, 2016, 27, 802-812.	2.7	18
119	Managing Acute Lung Injury. Clinics in Chest Medicine, 2016, 37, 647-658.	2.1	20
120	Dynamic predictors of VILI risk: beyond the driving pressure. Intensive Care Medicine, 2016, 42, 1597-1600.	8.2	70
121	Does High-Frequency Ventilation Have Still a Role Among the Current Ventilatory Strategies?. , 2016, , 69-78.		0
123	Year in Review 2015: Pediatric ARDS. Respiratory Care, 2016, 61, 980-985.	1.6	21
124	Topical Issues in Anesthesia and Intensive Care. , 2016, , .		0
125	Perioperative assessment of regional ventilation during changing body positions and ventilation conditions by electrical impedance tomography. British Journal of Anaesthesia, 2016, 117, 228-235.	3.4	56
127	Recruitment manoeuvres for adults with acute respiratory distress syndrome receiving mechanical ventilation. The Cochrane Library, 2018, 2018, CD006667.	2.8	42
128	Associations between positive end-expiratory pressure and outcome of patients without ARDS at onset of ventilation: a systematic review and meta-analysis of randomized controlled trials. Annals of Intensive Care, 2016, 6, 109.	4.6	33
129	Assessing Respiratory System Mechanical Function. Clinics in Chest Medicine, 2016, 37, 615-632.	2.1	4
130	Optimal mechanical ventilation strategies to minimize ventilator-induced lung injury in non-injured and injured lungs. Expert Review of Respiratory Medicine, 2016, 10, 1243-1245.	2.5	9
131	Does Only Size Matter or Is There Still a Place for Single-Center Studies in the Era of Big Data?. Anesthesia and Analgesia, 2016, 123, 1623-1628.	2.2	3
132	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. Intensive Care Medicine, 2016, 42, 1865-1876.	8.2	247
133	Ventilator-induced Lung Injury. Clinics in Chest Medicine, 2016, 37, 633-646.	2.1	237

#	Article	IF	Citations
134	High PEEP in acute respiratory distress syndrome: quantitative evaluation between improved arterial oxygenation and decreased oxygen delivery. British Journal of Anaesthesia, 2016, 117, 650-658.	3.4	41
135	ARDS - eine Herausforderung der Intensivmedizin. Karger Kompass Pneumologie, 2016, 4, 186-188.	0.0	0
137	Assessment of the Optimal Operating Parameters during Extracorporeal CO₂ Removal with the AbylcapÂ® System. International Journal of Artificial Organs, 2016, 39, 580-585.	1.4	4
138	Mechanical Ventilation in Patients with the Acute Respiratory Distress Syndrome and Treated with Extracorporeal Membrane Oxygenation: Impact on Hospital and 30 Day Postdischarge Survival. ASAIO Journal, 2016, 62, 607-612.	1.6	14
140	Commentary. Epidemiology, 2016, 27, 677-681.	2.7	4
141	Strain Rate and Cycling Frequencyâ€"The â€œDynamic Duoâ€•of Injurious Tidal Stress*. Critical Care Medicine, 2016, 44, 1800-1801.	0.9	6
143	Mechanical Power and Development of Ventilator-induced Lung Injury. Anesthesiology, 2016, 124, 1100-1108.	2.5	305
144	Lung stress, strain, and energy load: engineering concepts to understand the mechanism of ventilator-induced lung injury (VILI). Intensive Care Medicine Experimental, 2016, 4, 16.	1.9	28
145	Lung ultrasonography for assessment of oxygenation response to prone position ventilation in ARDS. Intensive Care Medicine, 2016, 42, 1546-1556.	8.2	97
146	Mortality and pulmonary mechanics in relation to respiratory system and transpulmonary driving pressures in ARDS. Intensive Care Medicine, 2016, 42, 1206-1213.	8.2	99
147	Should a Portable Ventilator Be Used in All In-Hospital Transports?. Respiratory Care, 2016, 61, 839-853.	1.6	10
148	Should A Tidal Volume of 6 mL/kg Be Used in All Patients?. Respiratory Care, 2016, 61, 774-790.	1.6	24
149	Should Early Prone Positioning Be a Standard of Care in ARDS With Refractory Hypoxemia?. Respiratory Care, 2016, 61, 818-829.	1.6	11
150	Severe hypoxemia: which strategy to choose. Critical Care, 2016, 20, 132.	5.8	86
151	Recruitment Maneuvers to the Extreme. Respiratory Care, 2016, 61, 260-261.	1.6	2
152	Treatment of Refractory Hypoxemia in Adults With Acute Respiratory Distress Syndromeâ€"What Is the Available Evidence?. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 791-799.	1.3	3
153	The "baby lung" became an adult. Intensive Care Medicine, 2016, 42, 663-673.	8.2	206
154	Effect of extracorporeal CO₂ removal on right ventricular and hemodynamic parameters in a patient with acute respiratory distress syndrome. Perfusion (United Kingdom), 2016, 31, 525-529.	1.0	9

#	Article	IF	Citations
155	Net alveolar fluid clearance is associated with lung morphology phenotypes in acute respiratory distress syndrome. Anaesthesia, Critical Care & Pain Medicine, 2016, 35, 81-86.	1.4	21
156	Ten physiologic advances that improved treatment for ARDS. Intensive Care Medicine, 2016, 42, 814-816.	8.2	5
157	Driving pressure during assisted mechanical ventilation. Respiratory Physiology and Neurobiology, 2016, 228, 69-75.	1.6	21
158	Annual Update in Intensive Care and Emergency Medicine 2016. Annual Update in Intensive Care and Emergency Medicine, 2016, , .	0.2	13
159	Venovenous extracorporeal membrane oxygenation for acute respiratory failure. Intensive Care Medicine, 2016, 42, 712-724.	8.2	136
160	Feasibility and safety of low-flow extracorporeal carbon dioxide removal to facilitate ultra-protective ventilation in patients with moderate acute respiratory distress syndrome. Critical Care, 2016, 20, 36.	5.8	141
161	Acute Respiratory Distress: From syndrome to disease. Medicina Intensiva (English Edition), 2016, 40, 169-175.	0.2	11
162	DistrÃ©s respiratorio agudo: del sÃndrome a la enfermedad. Medicina Intensiva, 2016, 40, 169-175.	0.7	31
163	Mild loss of lung aeration augments stretch in healthy lung regions. Journal of Applied Physiology, 2016, 120, 444-454.	2.5	13
164	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. JAMA - Journal of the American Medical Association, 2016, 315, 788.	7.4	3,568
165	A glossary of ARDS for beginners. Intensive Care Medicine, 2016, 42, 659-662.	8.2	5
166	What the concept of VILI has taught us about ARDS management. Intensive Care Medicine, 2016, 42, 811-813.	8.2	11
167	Association between driving pressure and development of postoperative pulmonary complications in patients undergoing mechanical ventilation for general anaesthesia: a meta-analysis of individual patient data. Lancet Respiratory Medicine,the, 2016, 4, 272-280.	10.7	404
168	Acute cor pulmonale during protective ventilation for acute respiratory distress syndrome: prevalence, predictors, and clinical impact. Intensive Care Medicine, 2016, 42, 862-870.	8.2	366
169	Early Treatment of Severe Acute Respiratory Distress Syndrome. Emergency Medicine Clinics of North America, 2016, 34, 1-14.	1.2	11
170	Neonatal Pneumothorax Pressures Surpass Higher Threshold in Lung Recruitment Maneuvers: An In Vivo Interventional Study. Respiratory Care, 2016, 61, 142-148.	1.6	10
171	Invasive Mechanical Ventilation. Hospital Medicine Clinics, 2016, 5, 17-29.	0.2	0
172	Acute respiratory distress syndrome mimickers lacking common risk factors of the Berlin definition. Intensive Care Medicine, 2016, 42, 164-172.	8.2	62

#	Article	IF	Citations
173	Early High-Frequency Oscillatory Ventilation in Pediatric Acute Respiratory Failure. A Propensity Score Analysis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 495-503.	5.6	82
174	Conservative versus Liberal Oxygenation Targets for Mechanically Ventilated Patients. A Pilot Multicenter Randomized Controlled Trial. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 43-51.	5.6	220
175	Mechanical ventilation after lung transplantation. Journal of Critical Care, 2016, 31, 110-118.	2.2	21
176	Understanding recruitment maneuvers. Intensive Care Medicine, 2016, 42, 908-911.	8.2	35
177	Ventilation in Trauma Patients: The First 24 h is Different!. World Journal of Surgery, 2017, 41, 1153-1158.	1.6	13
178	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Intensive Care Medicine, 2017, 43, 304-377.	8.2	4,590
179	The Quality of Quality Metrics. Respiratory Care, 2017, 62, 253-254.	1.6	0
180	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS.Is Acute Respiratory Distress Syndrome a Preventable Disease?. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 725-736.	5.6	128
181	Compliance-guided versus FiO 2 -driven positive-end expiratory pressure in patients with moderate or severe acute respiratory distress syndrome according to the Berlin definition. Medicina Intensiva, 2017, 41, 277-284.	0.7	9
182	What PEEP level should I use in my patient?. Medicina Intensiva, 2017, 41, 267-269.	0.7	5
183	Dynamic driving pressure associated mortality in acute respiratory distress syndrome with extracorporeal membrane oxygenation. Annals of Intensive Care, 2017, 7, 12.	4.6	54
184	F<scp>ifty</scp>Y<scp>ears</scp><scp>of</scp>R<scp>esearch</scp><scp>in</scp>ARDS.Setting Positive End-Expiratory Pressure in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1429-1438.	5.6	162
185	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS.Insight into Acute Respiratory Distress Syndrome. From Models to Patients. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 18-28.	5.6	55
186	Minimizing Ventilator-Induced Lung Injury: Out With the Old, In With the New. Annals of Emergency Medicine, 2017, 69, 267-268.	0.6	1
187	Personalizing mechanical ventilation according to physiologic parameters to stabilize alveoli and minimize ventilator induced lung injury (VILI). Intensive Care Medicine Experimental, 2017, 5, 8.	1.9	82
188	Neurotrauma Management for the Severely Injured Polytrauma Patient. , 2017, , .		2
190	Bedside Contribution of Electrical Impedance Tomography to Setting Positive End-Expiratory Pressure for Extracorporeal Membrane Oxygenationâ€“treated Patients with Severe Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 447-457.	5.6	116
191	Physiological closed-loop control of mechanical ventilation and extracorporeal membrane oxygenation. Biomedizinische Technik, 2017, 62, 199-212.	0.8	3

#	Article	IF	Citations
192	Sepsis: frontiers in supportive care, organisation and research. Intensive Care Medicine, 2017, 43, 496-508.	8.2	62
193	Mechanical ventilation in acute respiratory distress syndrome: The open lung revisited. Medicina Intensiva, 2017, 41, 550-558.	0.7	12
194	VentilaciÃ³n mecÃ¡nica en pacientes tratados con membrana de oxigenaciÃ³n extracorpÃ³rea (ECMO). Medicina Intensiva, 2017, 41, 491-496.	0.7	24
195	Optimal Strategies for Severe Acute Respiratory Distress Syndrome. Critical Care Clinics, 2017, 33, 259-275.	2.6	23
197	Year in review 2016: Respiratory infections, acute respiratory distress syndrome, pleural diseases, lung cancer and interventional pulmonology. Respirology, 2017, 22, 602-611.	2.3	7
198	The effects of low tidal ventilation on lung strain correlate with respiratory system compliance. Critical Care, 2017, 21, 23.	5.8	22
199	Mechanical Ventilation After Lung Transplantation. Chest, 2017, 151, 516-517.	0.8	9
200	The Right Ventricle in ARDS. Chest, 2017, 152, 181-193.	0.8	158
201	Hemodynamic effects of lung recruitment maneuvers in acute respiratory distress syndrome. BMC Pulmonary Medicine, 2017, 17, 34.	2.0	32
202	Differences in respiratory mechanics estimation with respect to manoeuvres and mathematical models. Biomedical Physics and Engineering Express, 2017, 3, 014002.	1.2	5
203	Lung-Protective Ventilation. Annual Review of Nursing Research, 2017, 35, 37-53.	0.7	9
204	Transpulmonary Pressure Describes Lung Morphology During Decremental Positive End-Expiratory Pressure Trials in Obesity*. Critical Care Medicine, 2017, 45, 1374-1381.	0.9	83
205	Controlled invasive mechanical ventilation strategies in obese patients undergoing surgery. Expert Review of Respiratory Medicine, 2017, 11, 443-452.	2.5	7
206	2016 Year in Review: Mechanical Ventilation. Respiratory Care, 2017, 62, 629-635.	1.6	21
207	Effects of Hypercapnia and Hypercapnic Acidosis on Hospital Mortality in Mechanically Ventilated Patients*. Critical Care Medicine, 2017, 45, e649-e656.	0.9	66
208	The authors reply. Critical Care Medicine, 2017, 45, e328-e329.	0.9	3
209	Elevated Mean Airway Pressure and Central Venous Pressure in the First Day of Mechanical Ventilation Indicated Poor Outcome. Critical Care Medicine, 2017, 45, e485-e492.	0.9	28
210	Driving Pressureâ€"The Emperorâ€™s New Clothes*. Critical Care Medicine, 2017, 45, 919-920.	0.9	6

#	Article	IF	Citations
211	Systematic review and meta-analysis of complications and mortality of veno-venous extracorporeal membrane oxygenation for refractory acute respiratory distress syndrome. Annals of Intensive Care, 2017, 7, 51.	4.6	175
212	The Open Lung Approach Improves Pulmonary Vascular Mechanics in an Experimental Model of Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, e298-e305.	0.9	8
213	Implementing a bedside assessment of respiratory mechanics in patients with acute respiratory distress syndrome. Critical Care, 2017, 21, 84.	5.8	35
215	Monitoring of Respiratory Mechanics. , 2017, , 225-243.		2
216	Ventilation Strategies: High-Frequency Oscillatory Ventilation. , 2017, , 41-60.		0
217	Prone Position. , 2017, , 73-83.		5
218	F<scp>ifty</scp> Y<scp>ears</scp> <scp>of</scp> R<scp>esearch</scp> <scp>in</scp> ARDS.Is Extracorporeal Circulation the Future of Acute Respiratory Distress Syndrome Management?. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1161-1170.	5.6	58
219	An Official American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine Clinical Practice Guideline: Mechanical Ventilation in Adult Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1253-1263.	5.6	1,104
220	Protective intraoperative ventilation with higher versus lower levels of positive end-expiratory pressure in obese patients (PROBESE): study protocol for a randomized controlled trial. Trials, 2017, 18, 202.	1.6	40
221	Hyperventilation (Not Ventilator)-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 936-937.	5.6	2
222	Ventilation Strategies: Tidal Volume and PEEP. , 2017, , 29-39.		1
223	Ventilation Strategies: Recruitment Maneuvers. , 2017, , 61-72.		0
225	Respiratory monitoring in adult intensive care unit. Expert Review of Respiratory Medicine, 2017, 11, 453-468.	2.5	11
226	Characteristics and Outcome of Patients After Allogeneic Hematopoietic Stem Cell Transplantation Treated With Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2017, 45, e500-e507.	0.9	64
227	Lung Injury Etiology and Other Factors Influencing the Relationship Between Dead-Space Fraction and Mortality in ARDS. Respiratory Care, 2017, 62, 1241-1248.	1.6	45
228	Outcome of acute respiratory distress syndrome in university and non-university hospitals in Germany. Critical Care, 2017, 21, 122.	5.8	28
229	Managing Safely the Complexity in Critical Care: Are Protocols for Artificial Ventilation in Pediatric Acute Respiratory Distress Syndrome Beneficial in Searching for Reliable Biomarkers?*. Critical Care Medicine, 2017, 45, 1250-1252.	0.9	2
230	Association between timing of intubation and outcome in critically ill patients: A secondary analysis of the ICON audit. Journal of Critical Care, 2017, 42, 1-5.	2.2	46

#	Article	IF	Citations
231	The effect of pressure-controlled inverse ratio ventilation on lung protection in obese patients undergoing gynecological laparoscopic surgery. Journal of Anesthesia, 2017, 31, 651-656.	1.7	13
232	Mechanical ventilation in the acute respiratory distress syndrome. Hospital Practice (1995), 2017, 45, 88-98.	1.0	8
234	Compliance-guided versus FiO 2 -driven positive-end expiratory pressure in patients with moderate or severe acute respiratory distress syndrome according to the Berlin definition. Medicina Intensiva (English Edition), 2017, 41, 277-284.	0.2	0
235	Does Lactate Ringer Matter or Sodium-Free Solution Matter?. Critical Care Medicine, 2017, 45, e239-e239.	0.9	1
236	Mechanical Ventilation in Sepsis. Shock, 2017, 47, 41-46.	2.1	32
237	Is There a Preinterventional Mechanical Ventilation Time Limit for Candidates of Adult Respiratory Extracorporeal Membrane Oxygenation. ASAIO Journal, 2017, 63, 650-658.	1.6	12
238	Association Between Hospital Case Volume of Sepsis, Adherence to Evidence-Based Processes of Care and Patient Outcomes. Critical Care Medicine, 2017, 45, 980-988.	0.9	20
239	The authors reply. Critical Care Medicine, 2017, 45, e238-e239.	0.9	0
240	Extracorporeal membrane oxygenation: beyond rescue therapy for acute respiratory distress syndrome?. Current Opinion in Critical Care, 2017, 23, 60-65.	3.2	14
241	Should we use driving pressure to set tidal volume?. Current Opinion in Critical Care, 2017, 23, 38-44.	3.2	34
242	GOLDEN anniversary of the acute respiratory distress syndrome: still much work to do!. Current Opinion in Critical Care, 2017, 23, 4-9.	3.2	34
243	Acute respiratory distress syndrome in another 50 years. Current Opinion in Critical Care, 2017, 23, 1-3.	3.2	9
244	Pediatric ARDS. Respiratory Care, 2017, 62, 718-731.	1.6	63
245	Acute respiratory failure: From intubation to ECMO. Qatar Medical Journal, 2017, 2017, 13.	0.5	0
246	What PEEP level should I use in my patient?. Medicina Intensiva (English Edition), 2017, 41, 267-269.	0.2	0
247	Clinical Management Strategies for Airway Pressure Release Ventilation: A Survey of Clinical Practice. Respiratory Care, 2017, 62, 1264-1268.	1.6	17
248	Mechanical Ventilation in Obese ICU Patients: From Intubation to Extubation. Annual Update in Intensive Care and Emergency Medicine, 2017, , 277-290.	0.2	0
250	How to approach the acute respiratory distress syndrome: Prevention, plan, and prudence. Respiratory Investigation, 2017, 55, 190-195.	1.8	2

#	Article	IF	Citations
251	Higher mini-BAL total protein concentration in early ARDS predicts faster resolution of lung injury measured by more ventilator-free days. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L579-L585.	2.9	15
252	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Critical Care Medicine, 2017, 45, 486-552.	0.9	2,336
253	A Quantile Analysis of Plateau and Driving Pressures: Effects on Mortality in Patients With Acute Respiratory Distress Syndrome Receiving Lung-Protective Ventilation*. Critical Care Medicine, 2017, 45, 843-850.	0.9	88
254	Disassociating Lung Mechanics and Oxygenation in Pediatric Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2017, 45, 1232-1239.	0.9	40
255	In reply:. Annals of Emergency Medicine, 2017, 69, 268-269.	0.6	0
256	Opening pressures in ARDS. Intensive Care Medicine, 2017, 43, 702-704.	8.2	0
257	Mechanical ventilation in obese ICU patients: from intubation to extubation. Critical Care, 2017, 21, 63.	5.8	98
258	Physiology in Medicine: Understanding dynamic alveolar physiology to minimize ventilator-induced lung injury. Journal of Applied Physiology, 2017, 122, 1516-1522.	2.5	37
259	The ten pressures of the respiratory system during assisted breathing. Intensive Care Medicine, 2017, 43, 1504-1506.	8.2	4
260	Novel Discoveries and Advances in Management of Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1264-1266.	5.6	0
261	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS.Respiratory Mechanics in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 822-833.	5.6	134
262	What Happens to the Lung During Mechanical Ventilation and One-Lung Ventilation?. , 2017, , 1-12.		0
263	What Are the Specific Challenges in the Postoperative Mechanical Ventilation After Thoracic Surgery?. , 2017, , 167-181.		0
264	Does It Matter How I Ventilate the Patient During the Operation?. , 2017, , 29-41.		0
265	A multi-faceted strategy to reduce ventilation-associated mortality in brain-injured patients. The BI-VILI project: a nationwide quality improvement project. Intensive Care Medicine, 2017, 43, 957-970.	8.2	81
266	Effect of Intensive vs Moderate Alveolar Recruitment Strategies Added to Lung-Protective Ventilation on Postoperative Pulmonary Complications. JAMA - Journal of the American Medical Association, 2017, 317, 1422.	7.4	92
267	Effect of expiratory positive airway pressure on tidal volume during non-invasive ventilation. Chronic Respiratory Disease, 2017, 14, 105-109.	2.4	5
268	Diagnosing acute respiratory distress syndrome in resource limited settings: the Kigali modification of the Berlin definition. Current Opinion in Critical Care, 2017, 23, 18-23.	3.2	34

#	Article	IF	Citations
269	Effect of end-inspiratory plateau pressure duration on driving pressure. Intensive Care Medicine, 2017, 43, 587-589.	8.2	7
270	Mechanical ventilation in patients subjected to extracorporeal membrane oxygenation (ECMO). Medicina Intensiva (English Edition), 2017, 41, 491-496.	0.2	7
271	Respiratory mechanics to understand ARDS and guide mechanical ventilation. Physiological Measurement, 2017, 38, R280-H303.	2.1	28
272	Protective mechanical ventilation in United Kingdom critical care units: A multicentre audit. Journal of the Intensive Care Society, 2017, 18, 106-112.	2.2	16
273	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome. Summary of the Experimental Evidence for the Clinical Practice Guideline. Annals of the American Thoracic Society, 2017, 14, S261-S270.	3.2	47
274	Acute life-threatening hypoxemia during mechanical ventilation. Current Opinion in Critical Care, 2017, 23, 541-548.	3.2	2
275	Effect of Lung Recruitment and Titrated Positive End-Expiratory Pressure (PEEP) vs Low PEEP on Mortality in Patients With Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2017, 318, 1335.	7.4	696
276	Does Driving Pressure Matter in Pediatric Acute Respiratory Distress Syndrome? Strain to Find the Answer. Critical Care Medicine, 2017, 45, e1196-e1197.	0.9	5
277	The authors reply. Critical Care Medicine, 2017, 45, e1206.	0.9	0
278	Individualized positive end-expiratory pressure in obese patients during general anaesthesia: a randomized controlled clinical trial using electrical impedance tomography. British Journal of Anaesthesia, 2017, 119, 1194-1205.	3.4	150
279	Low Tidal Volume versus Nonâ€“Volume-Limited Strategies for Patients with Acute Respiratory Distress Syndrome. A Systematic Review and Meta-Analysis. Annals of the American Thoracic Society, 2017, 14, S271-S279.	3.2	91
280	Rescue Therapies for Severe Acute Respiratory Distress Syndrome. Clinical Pulmonary Medicine, 2017, 24, 197-205.	0.3	0
281	The association of postoperative pulmonary complications in 109,360 patients with pressureâ€controlled or volumeâ€controlled ventilation. Anaesthesia, 2017, 72, 1334-1343.	3.8	43
282	The Contributing Risk of Tobacco Use for ARDS Development in Burn-Injured Adults With Inhalation Injury. Respiratory Care, 2017, 62, 1456-1465.	1.6	5
283	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS.V<scp>t</scp> Selection in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1519-1525.	5.6	45
284	Recommendations for mechanical ventilation of critically ill children from the Paediatric Mechanical Ventilation Consensus Conference (PEMVECC). Intensive Care Medicine, 2017, 43, 1764-1780.	8.2	229
286	Fisiologia e fisiopatologia applicate alla ventilazione artificiale e alle principali modalitÃ ventilatorie. EMC - Anestesia-Rianimazione, 2017, 22, 1-14.	0.1	0
287	Mechanical Ventilation: State of the Art. Mayo Clinic Proceedings, 2017, 92, 1382-1400.	3.0	191

#	Article	IF	Citations
288	Update in Management of Severe Hypoxemic Respiratory Failure. Chest, 2017, 152, 867-879.	0.8	45
289	Risk Stratification in Pediatric Acute Respiratory Distress Syndrome: A Multicenter Observational Study*. Critical Care Medicine, 2017, 45, 1820-1828.	0.9	42
290	Management Strategies for Severe Respiratory Failure. Critical Care Clinics, 2017, 33, 795-811.	2.6	7
291	Issues in the Intensive Care Unit for Patients with Extracorporeal Membrane Oxygenation. Critical Care Clinics, 2017, 33, 855-862.	2.6	7
292	Alveolar recruitment maneuver attenuates extravascular lung water in acute respiratory distress syndrome. Medicine (United States), 2017, 96, e7627.	1.0	14
293	Impact of Different Ventilation Strategies on Driving Pressure, Mechanical Power, and Biological Markers During Open Abdominal Surgery in Rats. Anesthesia and Analgesia, 2017, 125, 1364-1374.	2.2	25
294	Markers of Right Ventricular Dysfunction in Adult Cardiac Surgical Patients. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 1570-1574.	1.3	13
295	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. Intensive Care Medicine, 2017, 43, 1352-1365.	8.2	41
296	Bronchoalveolar Lavage Fluid Protein Expression in Acute Respiratory Distress Syndrome Provides Insights into Pathways Activated in Subjects with Different Outcomes. Scientific Reports, 2017, 7, 7464.	3.3	20
297	Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2017, 377, 562-572.	27.0	1,183
298	Individualization of Positive End-Expiratory Pressure Setting in Patients with Acute Respiratory Distress Syndrome under Extracorporeal Membrane Oxygenation. Inputs from Electrical Impedance Tomography. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 404-406.	5.6	2
299	Digitoflavone (DG) attenuates LPS-induced acute lung injury through reducing oxidative stress and inflammatory response dependent on the suppression of TXNIP/NLRP3 and NF-Î¹B. Biomedicine and Pharmacotherapy, 2017, 94, 712-725.	5.6	14
300	The authors reply. Critical Care Medicine, 2017, 45, e1197.	0.9	0
301	The Search for the Optimal Tidal Volume. Anesthesia and Analgesia, 2017, 125, 1831-1832.	2.2	0
302	Mechanical ventilation in acute respiratory distress syndrome: The open lung revisited. Medicina Intensiva (English Edition), 2017, 41, 550-558.	0.2	0
303	Recent Advances in Pediatric Acute Respiratory Distress Syndrome (PARDS). Current Pediatrics Reports, 2017, 5, 228-236.	4.0	6
304	Applying Precision Medicine to Trial Design Using Physiology. Extracorporeal CO₂ Removal for Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 558-568.	5.6	55
305	Tidal changes on CT and progression of ARDS. Thorax, 2017, 72, 981-989.	5.6	39

#	Article	IF	Citations
306	Long-Term Survival After Extracorporeal Membrane Oxygenation Therapy: The Attention It Deserves!*. Critical Care Medicine, 2017, 45, 361-362.	0.9	1
307	High-Frequency Oscillatory Ventilation in Adults With ARDS. Chest, 2017, 152, 1306-1317.	0.8	46
308	The authors reply. Critical Care Medicine, 2017, 45, e239-e240.	0.9	0
310	Outcome Prediction for Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, e237-e238.	0.9	3
311	Optimal plateau pressure for patients with acute respiratory distress syndrome: a protocol for a systematic review and meta-analysis with meta-regression. BMJ Open, 2017, 7, e015091.	1.9	11
312	Predicted body weight relationships for protective ventilation â€“ unisex proposals from pre-term through to adult. BMC Pulmonary Medicine, 2017, 17, 85.	2.0	21
313	Endexpiratory lung volume measurement correlates with the ventilation/perfusion mismatch in lung injured pigs. Respiratory Research, 2017, 18, 101.	3.6	6
314	Systematic assessment of advanced respiratory physiology: precision medicine entering real-life ICU?. Critical Care, 2017, 21, 143.	5.8	4
315	How Much Does ICU Structure Account for Variation in Mobility Practices Between Acute Respiratory Distress Syndrome Network Hospitals?. Critical Care Medicine, 2017, 45, e329-e330.	0.9	2
316	High Positive End-Expiratory Pressure Is Associated with Improved Survival in Obese Patients with Acute Respiratory Distress Syndrome. American Journal of Medicine, 2017, 130, 207-213.	1.5	36
317	Ventilation in the Trauma Patient: A Practical Approach. , 2017, , 93-100.		0
318	Association between ventilatory settings and development of acute respiratory distress syndrome in mechanically ventilated patients due to brain injury. Journal of Critical Care, 2017, 38, 341-345.	2.2	54
319	A Missense Genetic Variant in LRRC16A/CARMIL1 Improves Acute Respiratory Distress Syndrome Survival by Attenuating Platelet Count Decline. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1353-1361.	5.6	35
320	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS. Spontaneous Breathing during Mechanical Ventilation. Risks, Mechanisms, and Management. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 985-992.	5.6	250
321	Neuromuscular Blockade in the 21st Century Management of the Critically Ill Patient. Chest, 2017, 151, 697-706.	0.8	55
322	Extrapolation of a non-linear autoregressive model of pulmonary mechanics. Mathematical Biosciences, 2017, 284, 32-39.	1.9	21
323	Will all ARDS patients be receiving mechanical ventilation in 2035? We are not sure. Intensive Care Medicine, 2017, 43, 573-574.	8.2	4
324	Will all ARDS patients be receiving mechanical ventilation in 2035? Yes. Intensive Care Medicine, 2017, 43, 568-569.	8.2	3

#	Article	IF	Citations
325	Effective sample size estimation for a mechanical ventilation trial through Monte-Carlo simulation: Length of mechanical ventilation and Ventilator Free Days. Mathematical Biosciences, 2017, 284, 21-31.	1.9	8
326	Mechanical Ventilation to Minimize Progression of Lung Injury in Acute Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 438-442.	5.6	846
328	Predicting the Effects of Changing PEEP Using a Basis Function Method. IFAC-PapersOnLine, 2017, 50, 5468-5473.	0.9	0
329	Plateau Pressure Prediction in ARDS Patients. IFAC-PapersOnLine, 2017, 50, 5480-5485.	0.9	0
330	Quantifying patient effort in spontaneously breathing patient using negative component of dynamic Elastance. IFAC-PapersOnLine, 2017, 50, 5486-5491.	0.9	6
331	SÃndrome de dificultad respiratoria aguda. EMC - Anestesia-ReanimaciÃ³n, 2017, 43, 1-18.	0.1	0
332	Postoperative pulmonary complications, pulmonary and systemic inflammatory responses after lung resection surgery with prolonged one-lung ventilation. Randomized controlled trial comparing intravenous and inhalational anaesthesia. British Journal of Anaesthesia, 2017, 119, 655-663.	3.4	91
333	The future of mechanical ventilation: lessons from the present and the past. Critical Care, 2017, 21, 183.	5.8	176
334	One-lung Ventilation for Thoracic Surgery: Current Perspectives. Tumori, 2017, 103, 495-503.	1.1	33
336	Model based prediction of plateau pressure in mechanically ventilated patients. Current Directions in Biomedical Engineering, 2017, 3, 301-304.	0.4	1
337	Critical Care Medicine 2017. Chinese Medical Journal, 2017, 130, 1135-1136.	2.3	0
338	Acute Lung Injury. , 2017, , 439-449.e1.		2
339	Driving pressure and mechanical power: new targets for VILI prevention. Annals of Translational Medicine, 2017, 5, 286-286.	1.7	170
340	Should We Care about Driving Pressure during Assisted Mechanical Ventilation?. Journal of Intensive and Critical Care, 2017, 03, .	0.2	1
341	Efficacy of prone position in acute respiratory distress syndrome: overview of systematic reviews. Revista Da Escola De Enfermagem Da U S P, 2017, 51, e03251.	0.9	15
342	Current Concepts of ARDS: A Narrative Review. International Journal of Molecular Sciences, 2017, 18, 64.	4.1	105
343	Pneumonia, Acute Respiratory Distress Syndrome, and Early Immune-Modulator Therapy. International Journal of Molecular Sciences, 2017, 18, 388.	4.1	106
344	Protecting lungs during spontaneous breathing: what can we do?. Journal of Thoracic Disease, 2017, 9, 2777-2781.	1.4	10

#	Article	IF	Citations
345	Definition and epidemiology of acute respiratory distress syndrome. Annals of Translational Medicine, 2017, 5, 282-282.	1.7	151
346	Open lung approach versus standard protective strategies: Effects on driving pressure and ventilatory efficiency during anesthesia - A pilot, randomized controlled trial. PLoS ONE, 2017, 12, e0177399.	2.5	45
347	Low flow extracorporeal CO2 removal in ARDS patients: a prospective short-term crossover pilot study. BMC Anesthesiology, 2017, 17, 155.	1.8	19
348	Driving pressure: a marker of severity, a safety limit, or a goal for mechanical ventilation?. Critical Care, 2017, 21, 199.	5.8	81
349	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. Critical Care, 2017, 21, 240.	5.8	84
350	Extracorporeal membrane oxygenation for life-threatening asthma refractory to mechanical ventilation: analysis of the Extracorporeal Life Support Organization registry. Critical Care, 2017, 21, 297.	5.8	54
351	Regional physiology of ARDS. Critical Care, 2017, 21, 312.	5.8	73
352	Protective ventilation reduces Pseudomonas aeruginosa growth in lung tissue in a porcine pneumonia model. Intensive Care Medicine Experimental, 2017, 5, 40.	1.9	5
353	The Effect of Ventilation Strategy on Arterial and Cerebral Oxygenation During Laparoscopic Bariatric Surgery. Obesity Surgery, 2017, 27, 2688-2689.	2.1	1
354	Patients with uninjured lungs may also benefit from lung-protective ventilator settings. F1000Research, 2017, 6, 2040.	1.6	3
355	Tidal volume in acute respiratory distress syndrome: how best to select it. Annals of Translational Medicine, 2017, 5, 287-287.	1.7	16
356	Transpulmonary pressure: importance and limits. Annals of Translational Medicine, 2017, 5, 285-285.	1.7	80
357	Right heart function during acute respiratory distress syndrome. Annals of Translational Medicine, 2017, 5, 295-295.	1.7	38
358	Recent Advances in Pediatric Ventilatory Assistance. F1000Research, 2017, 6, 290.	1.6	8
359	A year in review in Minerva Anestesiologica 2016. Critical Care. Experimental and clinical studies. Minerva Anestesiologica, 2017, 83, 108-120.	1.0	0
360	Managing Persistent Hypoxemia: what is new?. F1000Research, 2017, 6, 1993.	1.6	0
361	Evaluation of self-perception of mechanical ventilation knowledge among Brazilian final-year medical students, residents and emergency physicians. Clinics, 2017, 72, 65-70.	1.5	18
362	Low flow veno-venous extracorporeal CO2 removal for acute hypercapnic respiratory failure. Minerva Anestesiologica, 2017, 83, 812-823.	1.0	12

#	Article	IF	Citations
363	â€˜Lung-protectiveâ€™ ventilation in acute respiratory distress syndrome: still a challenge?. Journal of Thoracic Disease, 2017, 9, 2238-2241.	1.4	6
364	South African guideline for the management of community-acquired pneumonia in adults. Journal of Thoracic Disease, 2017, 9, 1469-1502.	1.4	63
365	Noninvasive ventilation during acute respiratory distress syndrome in patients with cancerâ€”what really matters. Journal of Thoracic Disease, 2017, 9, 2224-2227.	1.4	0
366	Preventing ventilator-induced lung injuryâ€”what does the evidence say?. Journal of Thoracic Disease, 2017, 9, 2259-2263.	1.4	5
368	Modifiable risk factors and the role of driving pressure in acute respiratory distress syndrome. Journal of Thoracic Disease, 2017, 9, E487-E488.	1.4	0
369	Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2018, 319, 698.	7.4	983
370	Effect of Cerebral Perfusion Pressure on Acute Respiratory Distress Syndrome. Canadian Journal of Neurological Sciences, 2018, 45, 313-319.	0.5	15
371	Positive End-expiratory Pressure Alone Minimizes Atelectasis Formation in Nonabdominal Surgery. Anesthesiology, 2018, 128, 1117-1124.	2.5	46
372	Controlled Modes. , 2018, , 29-58.		0
373	Monitoring Mechanical Ventilation Using Ventilator Waveforms. , 2018, , .		8
374	Transpulmonary Pressureâ€“based Mechanical Ventilation in Acute Respiratory Distress Syndrome. From Theory to Practice?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 977-978.	5.6	4
375	Factors among patients receiving prone positioning for the acute respiratory distress syndrome found useful for predicting mortality in the intensive care unit. Baylor University Medical Center Proceedings, 2018, 31, 1-5.	0.5	9
376	On the Feasibility of Automated Mechanical Ventilation Control Through EIT. IEEE Transactions on Biomedical Engineering, 2018, 65, 2459-2470.	4.2	5
377	Effects of Prone Positioning on Transpulmonary Pressures and End-expiratory Volumes in Patients without Lung Disease. Anesthesiology, 2018, 128, 1187-1192.	2.5	21
378	Do we have scientific evidence about the effect of hypoxaemia on cognitive outcome in adult patients with severe acute respiratory failure?. Upsala Journal of Medical Sciences, 2018, 123, 68-70.	0.9	0
379	Is There a Relationship Between Optimal Cerebral Perfusion Pressure-Guided Management and PaO2/FiO2 Ratio After Severe Traumatic Brain Injury?. Acta Neurochirurgica Supplementum, 2018, 126, 59-62.	1.0	7
380	Driving airway and transpulmonary pressure are correlated to VILI determinants during controlled ventilation. Intensive Care Medicine, 2018, 44, 674-675.	8.2	9
381	Biologic Impact of Mechanical Power at High and Low Tidal Volumes in Experimental Mild Acute Respiratory Distress Syndrome. Anesthesiology, 2018, 128, 1193-1206.	2.5	51

#	Article	IF	Citations
382	Lung volumes, respiratory mechanics and dynamic strain during general anaesthesia. British Journal of Anaesthesia, 2018, 121, 1156-1165.	3.4	31
383	â€œSize Mattersâ€•in Regard to Acute Respiratory Distress Syndrome Case Volume and Mortality!*. Critical Care Medicine, 2018, 46, 826-827.	0.9	0
384	Hypothesis: Fever control, a niche for alpha-2 agonists in the setting of septic shock and severe acute respiratory distress syndrome?. Temperature, 2018, 5, 224-256.	3.0	11
385	Do We Really Doubt Extracorporeal Membrane Oxygenation Efficacy in Pediatric Acute Respiratory Distress Syndrome?. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 408-409.	5.6	0
386	Energetics and the Root Mechanical Cause for Ventilator-induced Lung Injury. Anesthesiology, 2018, 128, 1062-1064.	2.5	24
387	An Open-Loop, Physiologic Modelâ€“Based Decision Support System Can Provide Appropriate Ventilator Settings. Critical Care Medicine, 2018, 46, e642-e648.	0.9	24
388	Mechanical Ventilation in Acute Respiratory Distress Syndrome. Insights into Opening the Lung and Driving Pressure. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 117-119.	5.6	0
389	The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2016 (Jâ€‹<scp>SSCG</scp> 2016). Acute Medicine & Surgery, 2018, 5, 3-89.	1.2	61
390	Ventilation protectrice pour tousÂ? (Å“dÃ¨me pulmonaire cardiogÃ©nique, embolie pulmonaire, asthme,) Tj ETQq0 0 0 rgBT /Overlock 1	0.1	1
391	New evidence in one-lung ventilation. Revista EspaÃ±ola De AnestesiologÃa Y ReanimaciÃ³n (English) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	3
392	Pediatric Sepsis Update: How Are Children Different?. Surgical Infections, 2018, 19, 176-183.	1.4	46
393	Protecting the Right Ventricle in ARDS: The Role of Prone Ventilation. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 2248-2251.	1.3	15
394	Understanding Pulmonary Stress-Strain Relationships in Severe ARDS and Its Implications for Designing a Safer Approach to Setting the Ventilator. Respiratory Care, 2018, 63, 219-226.	1.6	26
395	ARDS: challenges in patient care and frontiers in research. European Respiratory Review, 2018, 27, 170107.	7.1	34
396	Does Extracorporeal Membrane Oxygenation Improve Survival in Pediatric Acute Respiratory Failure?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1177-1186.	5.6	44
397	Influence of Prehospital Function and Strength on Outcomes of Critically Ill Older Adults. Journal of the American Geriatrics Society, 2018, 66, 525-531.	2.6	13
398	Ventilator Management Guided by Driving Pressure. Critical Care Medicine, 2018, 46, 338-339.	0.9	4
399	Equilibration Time Required for Respiratory System Compliance and Oxygenation Response Following Changes in Positive End-Expiratory Pressure in Mechanically Ventilated Children. Critical Care Medicine, 2018, 46, e375-e379.	0.9	7

#	Article	IF	Citations
402	Alveolar Tidal recruitment/derecruitment and Overdistension During Four Levels of End-Expiratory Pressure with Protective Tidal Volume During Anesthesia in a Murine Lung-Healthy Model. Lung, 2018, 196, 335-342.	3.3	6
403	Airway Pressure Release Ventilation Letterâ€"Reply. Respiratory Care, 2018, 63, 128-129.	1.6	0
404	Mechanical Ventilation in the Critically Ill Obese Patient. , 2018, , .		1
405	Evaluation of lung and chest wall mechanics during anaesthesia using the PEEP-step method. British Journal of Anaesthesia, 2018, 120, 860-867.	3.4	20
406	Management of Ventilator-Induced Lung Injury. , 2018, , 157-161.		0
407	Why All the Shots at Airway Pressure Release Ventilation When Conventional Ventilation Doesn't Have Consensus?. Respiratory Care, 2018, 63, 127-128.	1.6	2
408	In Response. Anesthesia and Analgesia, 2018, 126, 365-366.	2.2	0
409	Single-Center Experience With Venovenous ECMO for Influenza-Related ARDS. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 1154-1159.	1.3	19
410	Esophageal Manometry and Regional Transpulmonary Pressure in Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1018-1026.	5.6	161
411	Respiratory complications of anaesthesia. Anaesthesia, 2018, 73, 25-33.	3.8	139
412	Six-Month Outcome of Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome Rescued by Extracorporeal Membrane Oxygenation. An International Multicenter Retrospective Study. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1297-1307.	5.6	95
413	The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2016 (J-SSCG 2016). Journal of Intensive Care, 2018, 6, 7.	2.9	74
414	PRactice of VENTilation in Middle-Income Countries (PRoVENT-iMIC): rationale and protocol for a prospective international multicentre observational study in intensive care units in Asia. BMJ Open, 2018, 8, e020841.	1.9	14
415	Early Corticosteroids for Pneumocystis Pneumonia in Adults Without HIV Are Not Associated With Better Outcome. Chest, 2018, 154, 636-644.	0.8	58
416	Continuous Negative Abdominal Pressure Reduces Ventilator-induced Lung Injury in a Porcine Model. Anesthesiology, 2018, 129, 163-172.	2.5	20
417	Sevoflurane improves respiratory mechanics and gas exchange in a case series of infants with severe bronchiolitisâ€induced acute respiratory distress syndrome. Clinical Case Reports (discontinued), 2018, 6, 920-925.	0.5	7
419	Ventilator-induced lung injury during controlled ventilation in patients with acute respiratory distress syndrome: less is probably better. Expert Review of Respiratory Medicine, 2018, 12, 403-414.	2.5	41
420	Update in Critical Care Medicine 2017. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1382-1388.	5.6	1

#	Article	IF	Citations
421	The maximum expression of hypoxia and hypoventilation: Acute respiratory distress syndrome. Revista MÃ©dica Del Hospital General De MÃ©xico, 2018, 81, 47-58.	0.0	2
422	Airway Closure in Acute Respiratory Distress Syndrome: An Underestimated and Misinterpreted Phenomenon. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 132-136.	5.6	124
423	Perioperative Outcomes of Robotic-Assisted Hysterectomy Compared With Open Hysterectomy. Anesthesia and Analgesia, 2018, 126, 127-133.	2.2	12
424	Closed-loop mechanical ventilation for lung injury: a novel physiological-feedback mode following the principles of the open lung concept. Journal of Clinical Monitoring and Computing, 2018, 32, 493-502.	1.6	9
425	Prone position ventilation support for acute exacerbation of interstitial lung disease?. Clinical Respiratory Journal, 2018, 12, 1372-1380.	1.6	4
426	Sedation Practice in Extracorporeal Membrane Oxygenationâ€“Treated Patients with Acute Respiratory Distress Syndrome: A Retrospective Study. ASAIO Journal, 2018, 64, 544-551.	1.6	44
427	Driving Pressure and Hospital Mortality in Patients Without ARDS. Chest, 2018, 153, 46-54.	0.8	52
428	The Role of Rescue Therapies in the Treatment of Severe ARDS. Respiratory Care, 2018, 63, 92-101.	1.6	47
429	Low tidal volume ventilation use remains low in patients with acute respiratory distress syndrome at a single center. Journal of Critical Care, 2018, 44, 72-76.	2.2	21
430	Nueva evidencia en ventilaciÃ³n unipulmonar. Revista EspaÃ±ola De AnestesiologÃa Y ReanimaciÃ³n, 2018, 65, 149-153.	0.3	7
431	Positive end-expiratory pressure adjusted for intra-abdominal pressure â€“ A pilot study. Journal of Critical Care, 2018, 43, 390-394.	2.2	6
432	Recent directions in personalised acute respiratory distress syndrome medicine. Anaesthesia, Critical Care & Pain Medicine, 2018, 37, 251-258.	1.4	26
433	Clinical management of pressure control ventilation: An algorithmic method of patient ventilatory management to address â€œforgotten but important variablesâ€• Journal of Critical Care, 2018, 43, 169-182.	2.2	25
434	Pulmonary Mechanics and Mortality in Mechanically Ventilated Patients Without Acute Respiratory Distress Syndrome: A Cohort Study. Shock, 2018, 49, 311-316.	2.1	37
435	Management of 1-Lung Ventilationâ€”Variation and Trends in Clinical Practice: A Report From the Multicenter Perioperative Outcomes Group. Anesthesia and Analgesia, 2018, 126, 495-502.	2.2	19
436	Re-examining Permissive Hypercapnia inÂARDS. Chest, 2018, 154, 185-195.	0.8	55
437	The Basic Science and Molecular Mechanisms of Lung Injury and Acute Respiratory Distress Syndrome. International Anesthesiology Clinics, 2018, 56, 1-25.	0.8	22
438	A prospective international observational prevalence study on prone positioning of ARDS patients: the APRONET (ARDS Prone Position Network) study. Intensive Care Medicine, 2018, 44, 22-37.	8.2	226

#	Article	IF	Citations
439	Dissipation of energy during the respiratory cycle: conditional importance of ergotrauma to structural lung damage. Current Opinion in Critical Care, 2018, 24, 16-22.	3.2	24
440	Least Injurious Mechanical Ventilation in Pulmonary Resection Surgery. Anesthesia and Analgesia, 2018, 126, 366-367.	2.2	3
441	The Aging Respiratory System: Strategies to Minimize Postoperative Pulmonary Complications. , 2018, , 179-196.		1
442	Association of Driving Pressure With Mortality Among Ventilated Patients With Acute Respiratory Distress Syndrome: A Systematic Review and Meta-Analysis*. Critical Care Medicine, 2018, 46, 300-306.	0.9	96
443	Esophageal pressure: research or clinical tool?. Medizinische Klinik - Intensivmedizin Und Notfallmedizin, 2018, 113, 13-20.	1.1	9
444	Intraoperative Anesthetic Management of Lung Transplantation: Center-Specific Practices and Geographic and Centers Size Differences. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 62-69.	1.3	29
445	Building on the Shoulders of Giants: Is the use of Early Spontaneous Ventilation in the Setting of Severe Diffuse Acute Respiratory Distress Syndrome Actually Heretical?. Turkish Journal of Anaesthesiology and Reanimation, 2018, 46, 339-347.	0.9	7
447	Paediatric acute respiratory distress syndrome: progress over the past decade. Journal of Emergency and Critical Care Medicine, 0, 2, 24-24.	0.7	7
448	The Acute Respiratory Distress Syndrome ventilatory management is still a complicated picture. Journal of Thoracic Disease, 2018, 10, S4101-S4103.	1.4	1
449	Right ventricular dysfunction during acute respiratory distress syndrome and veno-venous extracorporeal membrane oxygenation. Journal of Thoracic Disease, 2018, 10, S674-S682.	1.4	56
450	What does the Acute Respiratory Distress Syndrome trial (ART) teach us?â€”it is time for precision medicine and precision trials in critical care!. Journal of Thoracic Disease, 2018, 10, 1300-1303.	1.4	1
451	Is there still a role for alveolar recruitment maneuvers in acute respiratory distress syndrome?. Journal of Thoracic Disease, 2018, 10, 85-90.	1.4	4
452	Driving pressure in obese patients with acute respiratory distress syndrome: one size fits all?. Journal of Thoracic Disease, 2018, 10, S3957-S3960.	1.4	3
453	Individual Positive End-expiratory Pressure Settings Optimize Intraoperative Mechanical Ventilation and Reduce Postoperative Atelectasis. Anesthesiology, 2018, 129, 1070-1081.	2.5	191
454	Firmer footing for ventilating and monitoring the injured lung. Journal of Thoracic Disease, 2018, 10, S4047-S4052.	1.4	1
455	Acute Respiratory Failure in Pediatric Hematopoietic Cell Transplantation: A Multicenter Study*. Critical Care Medicine, 2018, 46, e967-e974.	0.9	28
456	Risk factors and prognosis of acute respiratory distress syndrome following abdominal surgery. Experimental and Therapeutic Medicine, 2018, 17, 159-164.	1.8	3
457	Should we titrate ventilation based on driving pressure? Maybe not in the way we would expect. Annals of Translational Medicine, 2018, 6, 389-389.	1.7	27

#	Article	IF	Citations
458	The basics of respiratory mechanics: ventilator-derived parameters. Annals of Translational Medicine, 2018, 6, 376-376.	1.7	39
459	Should we titrate mechanical ventilation based on driving pressure?â€"yes. Annals of Translational Medicine, 2018, 6, 393-393.	1.7	7
460	Ventilator-induced lung injury and lung mechanics. Annals of Translational Medicine, 2018, 6, 378-378.	1.7	81
461	Is the mechanical power the final word on ventilator-induced lung injury?â€"we are not sure. Annals of Translational Medicine, 2018, 6, 395-395.	1.7	25
462	Clinical features and outcome of patients with acute respiratory failure revealing anti-synthetase or anti-MDA-5 dermato-pulmonary syndrome: a French multicenter retrospective study. Annals of Intensive Care, 2018, 8, 87.	4.6	60
463	Predictors of survival in patients with influenza pneumonia-related severe acute respiratory distress syndrome treated with prone positioning. Annals of Intensive Care, 2018, 8, 94.	4.6	20
464	Driving pressure and long-term outcomes in moderate/severe acute respiratory distress syndrome. Annals of Intensive Care, 2018, 8, 119.	4.6	24
465	Validation of a Model-based Method for Estimating Functional Volume Gains during Recruitment Manoeuvres in Mechanical Ventilation. IFAC-PapersOnLine, 2018, 51, 231-236.	0.9	4
466	Clinical Application of Respiratory Elastance (CARE Trial) for Mechanically Ventilated Respiratory Failure Patients: A Model-based Study. IFAC-PapersOnLine, 2018, 51, 209-214.	0.9	25
467	Management of severe respiratory failure in complex trauma patients. Journal of Emergency and Critical Care Medicine, 0, 2, 26-26.	0.7	6
468	The Impact of High-Flow Nasal Oxygen in the Immunocompromised Critically Ill: A Systematic Review and Meta-Analysis. Respiratory Care, 2018, 63, 1555-1566.	1.6	30
469	What is the Association With Dissociation?â€"Reply. JAMA Neurology, 2018, 75, 1572.	9.0	0
470	Advanced modes of mechanical ventilation and optimal targeting schemes. Intensive Care Medicine Experimental, 2018, 6, 30.	1.9	20
471	The acute respiratory distress syndrome: pathophysiology, current clinical practice, and emerging therapies. Expert Review of Respiratory Medicine, 2018, 12, 1021-1029.	2.5	42
472	Preemptive mechanical ventilation based on dynamic physiology in the alveolar microenvironment: Novel considerations of time-dependent properties of the respiratory system. Journal of Trauma and Acute Care Surgery, 2018, 85, 1081-1091.	2.1	13
473	Biomedical engineerâ€™s guide to the clinical aspects of intensive care mechanical ventilation. BioMedical Engineering OnLine, 2018, 17, 169.	2.7	45
474	Randomized Study of Early Continuous Positive Airways Pressure in Acute Respiratory Failure in Children With Impaired Immunity (SCARF) ISRCTN82853500*. Pediatric Critical Care Medicine, 2018, 19, 939-948.	0.5	21
475	Mechanical ventilation and respiratory monitoring during extracorporeal membrane oxygenation for respiratory support. Annals of Translational Medicine, 2018, 6, 386-386.	1.7	23

#	Article	IF	Citations
476	Effects of patient positioning on respiratory mechanics in mechanically ventilated ICU patients. Annals of Translational Medicine, 2018, 6, 384-384.	1.7	52
477	Effect of Bronchoscopy on Gas Exchange and Respiratory Mechanics in Critically Ill Patients With Atelectasis: An Observational Cohort Study. Frontiers in Medicine, 2018, 5, 301.	2.6	5
478	Heart-lung interactions in acute respiratory distress syndrome: pathophysiology, detection and management strategies. Annals of Translational Medicine, 2018, 6, 27-27.	1.7	20
479	Positive end-expiratory pressure and recruitment maneuvers in obese patients: should we chase oxygenation?. Minerva Anestesiologica, 2018, 84, 429-431.	1.0	5
480	Mechanical power of ventilation is associated with mortality in critically ill patients: an analysis of patients in two observational cohorts. Intensive Care Medicine, 2018, 44, 1914-1922.	8.2	323
481	The future of driving pressure: a primary goal for mechanical ventilation?. Journal of Intensive Care, 2018, 6, 64.	2.9	30
482	Bedside assessment of lung aeration and stretch. British Journal of Anaesthesia, 2018, 121, 1001-1004.	3.4	3
483	Beyond Low Tidal Volume Ventilation: Treatment Adjuncts for Severe Respiratory Failure in Acute Respiratory Distress Syndrome. Critical Care Medicine, 2018, 46, 1820-1831.	0.9	44
484	Driving-pressure-independent protective effects of open lung approach against experimental acute respiratory distress syndrome. Critical Care, 2018, 22, 228.	5.8	8
485	Minimisation of dissipated energy in the airways during mechanical ventilation by using constant inspiratory and expiratory flows â€“ Flow-controlled ventilation (FCV). Medical Hypotheses, 2018, 121, 167-176.	1.5	34
486	Positive end-expiratory pressure improves elastic working pressure in anesthetized children. BMC Anesthesiology, 2018, 18, 151.	1.8	6
487	Peep titration based on the open lung approach during one lung ventilation in thoracic surgery: a physiological study. BMC Anesthesiology, 2018, 18, 156.	1.8	22
488	Randomized Feasibility Trial of a Low Tidal Volume-Airway Pressure Release Ventilation Protocol Compared With Traditional Airway Pressure Release Ventilation and Volume Control Ventilation Protocols. Critical Care Medicine, 2018, 46, 1943-1952.	0.9	27
489	Effects of positive end-expiratory pressure strategy in supine and prone position on lung and chest wall mechanics in acute respiratory distress syndrome. Annals of Intensive Care, 2018, 8, 86.	4.6	20
490	Positive end-expiratory pressure titrated according to respiratory system mechanics or to ARDSNetwork table did not guarantee positive end-expiratory transpulmonary pressure in acute respiratory distress syndrome. Journal of Critical Care, 2018, 48, 433-442.	2.2	9
491	Weaning from Mechanical Ventilation in ARDS: Aspects to Think about for Better Understanding, Evaluation, and Management. BioMed Research International, 2018, 2018, 1-12.	1.9	18
492	Non-ventilatory therapies for acute respiratory distress syndrome. Minerva Anestesiologica, 2018, 84, 1093-1101.	1.0	4
493	Acute Respiratory Distress Syndrome. Chinese Medical Journal, 2018, 131, 1220-1224.	2.3	30

#	Article	IF	Citations
494	Lungâ€protective Ventilation for Acute Respiratory Distress Syndrome. Academic Emergency Medicine, 2018, 26, 109-112.	1.8	2
495	Hypoxemia in the ICU: prevalence, treatment, and outcome. Annals of Intensive Care, 2018, 8, 82.	4.6	53
496	Monitoring the injured brain. Journal of Neurosurgical Sciences, 2018, 62, 549-562.	0.6	17
497	Acute Respiratory Failure. Military Medicine, 2018, 183, 123-129.	0.8	10
498	Extracorporeal Membrane Oxygenation for ARDS: Optimization of Lung Protective Ventilation. Respiratory Care, 2018, 63, 1180-1188.	1.6	4
499	Survival predictors in elderly patients with acute respiratory distress syndrome: a prospective observational cohort study. Scientific Reports, 2018, 8, 13459.	3.3	21
500	Ventilator-induced lung injury: does it occur in children?. Minerva Anestesiologica, 2018, 84, 626-631.	1.0	14
501	Perioperative lung protective ventilation. BMJ: British Medical Journal, 2018, 362, k3030.	2.3	61
502	â€œLow-â€•versus â€œhighâ€•frequency oscillation and right ventricular function in ARDS. A randomized crossover study. Journal of Intensive Care, 2018, 6, 58.	2.9	2
503	Integration of Pulmonary Mechanics in a Personalized Approach to Mechanical Ventilation. Respiratory Care, 2018, 63, 1194-1196.	1.6	1
504	Ultra-low tidal volume ventilationâ€”A novel and effective ventilation strategy during experimental cardiopulmonary resuscitation. Resuscitation, 2018, 132, 56-62.	3.0	19
505	Differences Between Pulmonary and Extrapulmonary Pediatric Acute Respiratory Distress Syndrome: A Multicenter Analysis. Pediatric Critical Care Medicine, 2018, 19, e504-e513.	0.5	9
506	Physiological effects of the open lung approach during laparoscopic cholecystectomy: focus on driving pressure. Minerva Anestesiologica, 2018, 84, 159-167.	1.0	18
507	Practice of diagnosis and management of acute respiratory distress syndrome in mainland China: a cross-sectional study. Journal of Thoracic Disease, 2018, 10, 5394-5404.	1.4	27
509	Protective Invasive Ventilation in Cardiac Surgery: A Systematic Review With a Focus on Acute Lung Injury in Adult Cardiac Surgical Patients. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 1922-1936.	1.3	29
510	Basics and Practical Aspects of Non-invasive Mechanical Ventilation. , 2018, , 117-127.		0
511	Follow the Voxelâ€”A New Method for the Analysis of Regional Strain in Lung Injury*. Critical Care Medicine, 2018, 46, 1033-1035.	0.9	4
512	Does Size Matter When Calculating the â€œCorrectâ€•Tidal Volume for Pediatric Mechanical Ventilation?. Chest, 2018, 154, 77-83.	0.8	17

#	Article	IF	Citations
513	Can the Plateau Be Higher Than the Peak Pressure?. Annals of the American Thoracic Society, 2018, 15, 754-759.	3.2	12
514	Practice of mechanical ventilation in cardiac arrest patients and effects of targeted temperature management: A substudy of the targeted temperature management trial. Resuscitation, 2018, 129, 29-36.	3.0	23
515	Protecting the Ventilated Lung: Vascular Surge and Deflation Energetics. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1112-1114.	5.6	8
516	CCCF 2017 Abstracts. Canadian Journal of Anaesthesia, 2018, 65, 1-131.	1.6	2
517	Driving pressure in obese ventilated patients: another brick in the (chest) wall. Intensive Care Medicine, 2018, 44, 1349-1351.	8.2	12
518	Size matters: An observational study investigating estimated height as a reference size for calculating tidal volumes if low tidal volume ventilation is required. PLoS ONE, 2018, 13, e0199917.	2.5	20
519	Impact of Different Tidal Volume Levels at Low Mechanical Power on Ventilator-Induced Lung Injury in Rats. Frontiers in Physiology, 2018, 9, 318.	2.8	36
520	Plasma sRAGE is independently associated with increased mortality in ARDS: a meta-analysis of individual patient data. Intensive Care Medicine, 2018, 44, 1388-1399.	8.2	82
521	Acute lung injury: how to stabilize a broken lung. Critical Care, 2018, 22, 136.	5.8	53
522	Lung volumes and lung volume recruitment in ARDS: a comparison between supine and prone position. Annals of Intensive Care, 2018, 8, 25.	4.6	28
523	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PRoVENT. Annals of Intensive Care, 2018, 8, 39.	4.6	22
524	PEEP titration: the effect of prone position and abdominal pressure in an ARDS model. Intensive Care Medicine Experimental, 2018, 6, 3.	1.9	22
525	Next-generation, personalised, model-based critical care medicine: a state-of-the art review of in silico virtual patient models, methods, and cohorts, and how to validation them. BioMedical Engineering OnLine, 2018, 17, 24.	2.7	143
526	Linking lung function to structural damage of alveolar epithelium in ventilator-induced lung injury. Respiratory Physiology and Neurobiology, 2018, 255, 22-29.	1.6	23
527	Sleep Issues in Neuromuscular Disorders. , 2018, , .		0
528	High-frequency oscillatory ventilation guided by transpulmonary pressure in acute respiratory syndrome: an experimental study in pigs. Critical Care, 2018, 22, 121.	5.8	8
529	Feasibility and safety of low-flow extracorporeal CO2 removal managed with a renal replacement platform to enhance lung-protective ventilation of patients with mild-to-moderate ARDS. Critical Care, 2018, 22, 122.	5.8	69
530	Impact of flow and temperature on patient comfort during respiratory support by high-flow nasal cannula. Critical Care, 2018, 22, 120.	5.8	88

#	Article	IF	Citations
531	Intraoperative initiation of a modified ARDSNet protocol increases survival of septic patients with severe acute respiratory distress syndrome. Heart and Lung: Journal of Acute and Critical Care, 2018, 47, 616-621.	1.6	15
532	â€˜Lumping or splittingâ€™ in paediatric acute respiratory distress syndrome (PARDS). Intensive Care Medicine, 2018, 44, 1548-1550.	8.2	16
533	Respiratory Complications and Management After Adult Cardiac Surgery. , 2018, , 327-363.		0
534	Abrupt Deflation after Sustained Inflation Causes Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1165-1176.	5.6	39
535	Impact of the driving pressure on mortality in obese and non-obese ARDS patients: a retrospective study of 362 cases. Intensive Care Medicine, 2018, 44, 1106-1114.	8.2	76
536	Ultra-protective mechanical ventilation without extra-corporeal carbon dioxide removal for acute respiratory distress syndrome. Journal of the Intensive Care Society, 2019, 20, 40-45.	2.2	2
537	Optimal <scp>PEEP</scp> during oneâ€lung ventilation with capnothorax: An experimental study. Acta Anaesthesiologica Scandinavica, 2019, 63, 222-231.	1.6	10
538	Interhospital transport of ARDS patients on extracorporeal membrane oxygenation. Journal of Artificial Organs, 2019, 22, 53-60.	0.9	13
539	Determinants of the effect of extracorporeal carbon dioxide removal in the SUPERNOVA trial: implications for trial design. Intensive Care Medicine, 2019, 45, 1219-1230.	8.2	40
540	Strategies to Adjust Positive End-Expiratory Pressure in Patients With ARDS. JAMA - Journal of the American Medical Association, 2019, 322, 581.	7.4	2
541	Power to mechanical power to minimize ventilator-induced lung injury?. Intensive Care Medicine Experimental, 2019, 7, 38.	1.9	75
542	Ventilation in patients with intra-abdominal hypertension: what every critical care physician needs to know. Annals of Intensive Care, 2019, 9, 52.	4.6	78
543	Bedside troubleshooting during venovenous extracorporeal membrane oxygenation (ECMO). Journal of Thoracic Disease, 2019, 11, S1698-S1707.	1.4	40
544	Current Use of Neuromuscular Blocking Agents in Intensive Care Units. Turkish Journal of Anaesthesiology and Reanimation, 2019, 47, 273-281.	0.4	10
545	Higher vs. Lower DP for Ventilated Patients with Acute Respiratory Distress Syndrome: A Systematic Review and Meta-Analysis. Emergency Medicine International, 2019, 2019, 1-12.	0.8	5
546	Maximal Recruitment Open Lung Ventilation in Acute Respiratory Distress Syndrome (PHARLAP). A Phase II, Multicenter Randomized Controlled Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1363-1372.	5.6	93
547	Personalised mechanical ventilation tailored to lung morphology versus low positive end-expiratory pressure for patients with acute respiratory distress syndrome in France (the LIVE study): a multicentre, single-blind, randomised controlled trial. Lancet Respiratory Medicine,the, 2019, 7, 870-880.	10.7	202
548	Why translational research matters: proceedings of the third international symposium on acute lung injury translational research (INSPIRES III). Intensive Care Medicine Experimental, 2019, 7, 40.	1.9	3

#	Article	IF	Citations
549	Fluid management in Acute Respiratory Distress Syndrome: A narrative review. Canadian Journal of Respiratory Therapy, 2019, 55, 1-8.	0.8	21
550	Formal guidelines: management of acute respiratory distress syndrome. Annals of Intensive Care, 2019, 9, 69.	4.6	478
551	Strain, strain rate, and mechanical power: An optimization comparison for oscillatory ventilation. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3238.	2.1	12
552	Sepsis-Induced Lung Injury: The Mechanism and Treatment. , 2019, , 253-275.		0
553	Low Tidal Volumes for Everyone?. Chest, 2019, 156, 783-791.	0.8	24
554	Understanding the Current Role and Future Application of Extracorporeal Life Support in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1057-1059.	5.6	0
555	PEEP titration in moderate to severe ARDS: plateau versus transpulmonary pressure. Annals of Intensive Care, 2019, 9, 81.	4.6	12
556	Epidemiology, Mechanical Power, and 3-Year Outcomes in Acute Respiratory Distress Syndrome Patients Using Standardized Screening. An Observational Cohort Study. Annals of the American Thoracic Society, 2019, 16, 1263-1272.	3.2	77
557	Effects of positive end-expiratory pressure alone or an open-lung approach on recruited lung volumes and respiratory mechanics of mechanically ventilated horses. Veterinary Anaesthesia and Analgesia, 2019, 46, 780-788.	0.6	6
558	Targeting transpulmonary pressure to prevent ventilator-induced lung injury. Expert Review of Respiratory Medicine, 2019, 13, 737-746.	2.5	38
559	Smart alarms towards optimizing patient ventilation in intensive care: the driving pressure case. Physiological Measurement, 2019, 40, 095006.	2.1	3
560	Prone positioning before extracorporeal membrane oxygenation for severe acute respiratory distress syndrome: A retrospective multicenter study. Medicina Intensiva (English Edition), 2019, 43, 402-409.	0.2	1
561	Economic variations in patterns of care and outcomes of patients receiving invasive mechanical ventilation in China: a national cross-sectional survey. Journal of Thoracic Disease, 2019, 11, 2878-2889.	1.4	2
562	Adaptive mechanical ventilation with automated minimization of mechanical powerâ€"a pilot randomized cross-over study. Critical Care, 2019, 23, 338.	5.8	15
563	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. Critical Care, 2019, 23, 346.	5.8	104
564	Effect of lung recruitment maneuver on oxygenation, physiological parameters and mortality in acute respiratory distress syndrome patients: a systematic review and meta-analysis. Intensive Care Medicine, 2019, 45, 1691-1702.	8.2	44
566	Severe Acute Respiratory Distress Syndrome. , 0, , .		0
567	InterpretaÃ§Ã£o grÃ¡fica e monitorizaÃ§Ã£o ventilatÃ³ria. , 2019, 98, 194-201.	0.1	0

#	Article	IF	Citations
568	Does volatile sedation with sevoflurane allow spontaneous breathing during prolonged prone positioning in intubated ARDS patients? A retrospective observational feasibility trial. Annals of Intensive Care, 2019, 9, 41.	4.6	13
569	Is immunosuppression status a risk factor for noninvasive ventilation failure in patients with acute hypoxemic respiratory failure? A post hoc matched analysis. Annals of Intensive Care, 2019, 9, 90.	4.6	10
570	Driving Pressure: The Road Ahead. Respiratory Care, 2019, 64, 1017-1020.	1.6	3
571	Driving Pressure or Tidal Pressure: What A Difference a Name Makes. Respiratory Care, 2019, 64, 1180-1180.	1.6	3
572	Clinical Guideline for Treating Acute Respiratory Insufficiency with Invasive Ventilation and Extracorporeal Membrane Oxygenation: Evidence-Based Recommendations for Choosing Modes and Setting Parameters of Mechanical Ventilation. Respiration, 2019, 98, 357-372.	2.6	33
573	The tidal volume fix and moreâ€¦. Journal of Thoracic Disease, 2019, 11, E117-E122.	1.4	6
574	Lung-protective ventilation for the surgical patient: international expert panel-based consensus recommendations. British Journal of Anaesthesia, 2019, 123, 898-913.	3.4	201
575	Beyond Tidal Volume in Acute Respiratory Distress Syndrome: Semiautomated Screening and Novel Ventilator Concepts. Annals of the American Thoracic Society, 2019, 16, 1238-1240.	3.2	1
576	Predicting Response to PEEP in Mechanically Ventilated Pediatric Patients: What Are the Odds?. Respiratory Care, 2019, 64, 1319-1321.	1.6	0
577	Feasibility and safety of ultra-low tidal volume ventilation without extracorporeal circulation in moderately severe and severe ARDS patients. Intensive Care Medicine, 2019, 45, 1590-1598.	8.2	27
578	Stress, strain and mechanical power: Is material science the answer to prevent ventilator induced lung injury?. Medicina Intensiva (English Edition), 2019, 43, 165-175.	0.2	2
579	Extracorporeal CO 2 removal and regional citrate anticoagulation in an experimental model of hypercapnic acidosis. Artificial Organs, 2019, 43, 719-727.	1.9	9
580	Clinical Management of One-Lung Ventilation. , 2019, , 107-129.		1
581	Sepsis and Pediatric Acute Respiratory Distress Syndrome. Journal of Pediatric Intensive Care, 2019, 08, 032-041.	0.8	4
582	Guidelines on the management of acute respiratory distress syndrome. BMJ Open Respiratory Research, 2019, 6, e000420.	3.0	316
584	Impact of â€œopening the lungâ€•ventilatory strategy on burn patients with acute respiratory distress syndrome. Burns, 2019, 45, 1841-1847.	1.9	6
585	NIV through the helmet can be used as first-line intervention for early mild and moderate ARDS: an unproven idea thinking out of the box. Critical Care, 2019, 23, 146.	5.8	3
586	Breathing and Ventilation during Extracorporeal Membrane Oxygenation: How to Find the Balance between Rest and Load. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 954-956.	5.6	27

#	Article	IF	Citations
587	Driving pressure during proportional assist ventilation: an observational study. Annals of Intensive Care, 2019, 9, 1.	4.6	22
588	Predicting the Impact of Diffuse Alveolar Damage through Open Lung Biopsy in Acute Respiratory Distress Syndromeâ€"The PREDATOR Study. Journal of Clinical Medicine, 2019, 8, 829.	2.4	12
589	Utilization and outcomes of early respiratory support in 6.5 million acute heart failure hospitalizations. European Heart Journal Quality of Care & Clinical Outcomes, 2020, 6, 72-80.	4.0	9
590	Tidal volume in mechanically ventilated dogs: can human strategies be extrapolated to veterinary patients?. Journal of Veterinary Science, 2019, 20, e21.	1.3	7
591	The tidal volume fix?. Journal of Thoracic Disease, 2019, 11, S1279-S1279.	1.4	1
592	Mechanical Ventilation Management during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. An International Multicenter Prospective Cohort. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1002-1012.	5.6	200
593	Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients. JAMA - Journal of the American Medical Association, 2019, 321, 2292.	7.4	216
594	Evolving concepts for safer ventilation. Critical Care, 2019, 23, 114.	5.8	28
595	Intensive Care Unit Telemedicine in the Era of Big Data, Artificial Intelligence, and Computer Clinical Decision Support Systems. Critical Care Clinics, 2019, 35, 483-495.	2.6	44
596	Assessment of Airway Driving Pressure and Respiratory System Mechanics during Neurally Adjusted Ventilatory Assist. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 785-788.	5.6	13
597	Optimising mechanical ventilation through model-based methods and automation. Annual Reviews in Control, 2019, 48, 369-382.	7.9	47
598	Physiologic Effects of Noninvasive Ventilation. Respiratory Care, 2019, 64, 617-628.	1.6	64
599	Empirical Probability of Positive Response to PEEP Changes and Mechanical Ventilation Factors Associated With Improved Oxygenation During Pediatric Ventilation. Respiratory Care, 2019, 64, 1193-1198.	1.6	3
601	Driving Pressure: Defining the Range. Respiratory Care, 2019, 64, 883-889.	1.6	8
602	Teaching in the Classroom: Small Groups. Respiratory Medicine, 2019, , 107-123.	0.1	3
603	The time-controlled adaptive ventilation protocol: mechanistic approach to reducing ventilator-induced lung injury. European Respiratory Review, 2019, 28, 180126.	7.1	21
604	2018 Year in Review: Adult Invasive Mechanical Ventilation. Respiratory Care, 2019, 64, 604-609.	1.6	4
605	Mechanical power normalized to predicted body weight as a predictor of mortality in patients with acute respiratory distress syndrome. Intensive Care Medicine, 2019, 45, 856-864.	8.2	88

#	Article	IF	Citations
607	Optimal Ventilator Strategies in Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 081-093.	2.1	13
608	Acute Respiratory Distress Syndrome Phenotypes. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 019-030.	2.1	83
609	Acute Respiratory Distress Syndrome: Respiratory Monitoring and Pulmonary Physiology. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 066-080.	2.1	9
610	Pathophysiology and Management of Acute Respiratory Distress Syndrome in Obese Patients. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 040-056.	2.1	33
611	Using injury cost functions from a predictive single-compartment model to assess the severity of mechanical ventilator-induced lung injuries. Journal of Applied Physiology, 2019, 127, 58-70.	2.5	14
612	Right ventricular function after cardiac surgery: the diagnostic and prognostic role of echocardiography. Heart Failure Reviews, 2019, 24, 625-635.	3.9	39
613	Heterogeneity of regional inflection points from pressure-volume curves assessed by electrical impedance tomography. Critical Care, 2019, 23, 119.	5.8	31
614	Characteristics of Nonpulmonary Organ Dysfunction at Onset of ARDS Based on the Berlin Definition. Respiratory Care, 2019, 64, 493-501.	1.6	23
615	Veno-venous extracorporeal life support for blastomycosis-associated acute respiratory distress syndrome. Perfusion (United Kingdom), 2019, 34, 660-670.	1.0	3
616	Temporal Changes in Ventilator Settings in Patients With Uninjured Lungs: A Systematic Review. Anesthesia and Analgesia, 2019, 129, 129-140.	2.2	25
617	Computational Modeling of Primary Blast Lung Injury: Implications for Ventilator Management. Military Medicine, 2019, 184, 273-281.	0.8	10
618	Optimizing intraoperative ventilation during one-lung ventilationâ€"is individualization the road to success?. Journal of Thoracic Disease, 2019, 11, S343-S346.	1.4	0
619	Emerging approaches in pediatric mechanical ventilation. Expert Review of Respiratory Medicine, 2019, 13, 327-336.	2.5	2
620	Recruitment Maneuvers and Higher PEEP, the So-Called Open Lung Concept, in Patients with ARDS. Annual Update in Intensive Care and Emergency Medicine, 2019, , 59-69.	0.2	1
621	ARDS in Obese Patients: Specificities and Management. Annual Update in Intensive Care and Emergency Medicine, 2019, , 71-84.	0.2	0
622	Modelling approach to obtain regional respiratory mechanics using electrical impedance tomography and volume-dependent elastance model. Physiological Measurement, 2019, 40, 045001.	2.1	2
623	Recruitment Maneuvers and Higher PEEP, the So-Called Open Lung Concept, in Patients with ARDS. Critical Care, 2019, 23, 73.	5.8	44
624	ARDS in Obese Patients: Specificities and Management. Critical Care, 2019, 23, 74.	5.8	48

#	Article	IF	Citations
625	Acute respiratory distress syndrome. Nature Reviews Disease Primers, 2019, 5, 18.	30.5	1,364
626	Positive end-expiratory pressure titration with electrical impedance tomography and pressureâ€“volume curve in severe acute respiratory distress syndrome. Annals of Intensive Care, 2019, 9, 7.	4.6	64
627	Acute and Chronic Respiratory Failure in Cancer Patients. , 2019, , 1-31.		0
628	Inflammatory lung injury in rabbits: effects of high-frequency oscillatory ventilation in the prone position. Jornal Brasileiro De Pneumologia, 2019, 45, e20180067.	0.7	3
629	Extracellular Matrix Component Remodeling in Respiratory Diseases: What Has Been Found in Clinical and Experimental Studies?. Cells, 2019, 8, 342.	4.1	95
630	Predictive Virtual Patient Modelling of Mechanical Ventilation: Impact of Recruitment Function. Annals of Biomedical Engineering, 2019, 47, 1626-1641.	2.5	41
631	Risk factors for outcomes of acute respiratory distress syndrome patients: a retrospective study. Journal of Thoracic Disease, 2019, 11, 673-685.	1.4	28
632	Heterogeneous effects of alveolar recruitment in acute respiratory distress syndrome: a machine learning reanalysis of the Alveolar Recruitment for Acute Respiratory Distress Syndrome Trial. British Journal of Anaesthesia, 2019, 123, 88-95.	3.4	43
633	Feasibility and safety of extracorporeal CO2 removal to enhance protective ventilation in acute respiratory distress syndrome: the SUPERNOVA study. Intensive Care Medicine, 2019, 45, 592-600.	8.2	175
634	In ARDS. Lessons From the ICU, 2019, , 419-437.	0.1	0
636	High-fidelity computational simulation to refine strategies for lung-protective ventilation in paediatric acute respiratory distress syndrome. Intensive Care Medicine, 2019, 45, 1055-1057.	8.2	17
637	The Elusive Search for â€œBest PEEPâ€•and Whether Esophageal Pressure Monitoring Helps. JAMA - Journal of the American Medical Association, 2019, 321, 839.	7.4	7
638	What links ventilator driving pressure with survival in the acute respiratory distress syndrome? A computational study. Respiratory Research, 2019, 20, 29.	3.6	38
639	Acute Respiratory Failure: Ventilatory Support and Extracorporeal Membrane Oxygenation (ECMO). , 2019, , 733-748.		0
640	Acute Respiratory Distress Syndrome (ARDS). , 2019, , 719-722.		0
641	Anesthesia for Patients with End-Stage Lung Disease. , 2019, , 509-533.		0
642	Is gender inequity in ventilator management a â€œwomen's issueâ€?. European Respiratory Journal, 2019, 54, 1901588.	6.7	9
643	Oesophageal pressure-guided management of severe acute respiratory distress syndrome in a patient with intractable intracranial hypertension. BMJ Case Reports, 2019, 12, e230723.	0.5	0

#	Article	IF	Citations
644	Comparison of low and high positive end-expiratory pressure during low tidal volume ventilation in robotic gynaecological surgical patients using electrical impedance tomography. European Journal of Anaesthesiology, 2019, 36, 641-648.	1.7	12
645	Respiratory parameters and acute kidney injury in acute respiratory distress syndrome: a causal inference study. Annals of Translational Medicine, 2019, 7, 742-742.	1.7	9
646	Online hose calibration for pressure control in mechanical ventilation. , 2019, , .		1
647	Mapping regional strain in anesthetised healthy subjects during spontaneous ventilation. BMJ Open Respiratory Research, 2019, 6, e000423.	3.0	6
648	Early neuromuscular blockade in acute respiratory distress syndrome: to personalize or paralyze?. Journal of Thoracic Disease, 2019, 11, 5701-5705.	1.4	1
649	Knowledge and Practice of the Concept of Driving Pressure: A Survey of Pediatric Intensivists in Brazil. Journal of Pediatric Intensive Care, 2019, 08, 210-213.	0.8	0
650	Association between hospital mortality and inspiratory airway pressures in mechanically ventilated patients without acute respiratory distress syndrome: a prospective cohort study. Critical Care, 2019, 23, 367.	5.8	17
651	Associations between changes in oxygenation, dead space and driving pressure induced by the first prone position session and mortality in patients with acute respiratory distress syndrome. Journal of Thoracic Disease, 2019, 11, 5004-5013.	1.4	15
652	Comparison of pressure-controlled volume-guaranteed ventilation and volume-controlled ventilation in obese patients during gynecologic laparoscopic surgery in the Trendelenburg position. Brazilian Journal of Anesthesiology (Elsevier), 2019, 69, 553-560.	0.4	9
654	Should Patients With Acute Respiratory Distress Syndrome on Venovenous Extracorporeal Membrane Oxygenation Have Ventilatory Support Reduced to the Lowest Tolerable Settings? Yes. Critical Care Medicine, 2019, 47, 1143-1146.	0.9	6
655	A personalized approach to the acute respiratory distress syndrome: recent advances and future challenges. Journal of Thoracic Disease, 2019, 11, 5619-5625.	1.4	13
656	Outcomes of Patients Presenting with Mild Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 130, 263-283.	2.5	28
657	How I set up positive end-expiratory pressure: evidence- and physiology-based!. Critical Care, 2019, 23, 412.	5.8	27
658	Imaging the Injured Lung. Anesthesiology, 2019, 131, 716-749.	2.5	29
659	Mechanical Power. Anesthesiology, 2019, 130, 9-11.	2.5	1
660	Driving pressure is not associated with mortality in mechanically ventilated patients without ARDS. Critical Care, 2019, 23, 424.	5.8	31
661	What Is Weighing Us Down From Elucidating Ideal Ventilation Strategies in Pediatric Acute Respiratory Distress Syndrome?*. Pediatric Critical Care Medicine, 2019, 20, 303-305.	0.5	1
662	Intraoperative Mechanical Ventilation and Postoperative Pulmonary Complications after Cardiac Surgery. Anesthesiology, 2019, 131, 1046-1062.	2.5	93

#	Article	IF	Citations
663	Lung Recruitment in Obese Patients with Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 130, 791-803.	2.5	67
664	Noninvasive ventilation versus oxygen therapy in patients with acute respiratory failure. Current Opinion in Anaesthesiology, 2019, 32, 150-155.	2.0	9
665	Lung- and Diaphragm-protective Ventilation in Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 130, 620-633.	2.5	24
666	Driving Pressure Is Associated with Outcome during Assisted Ventilation in Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 131, 594-604.	2.5	71
667	Venovenous extra-corporeal membrane oxygenation for severe acute respiratory distress syndrome. Chinese Medical Journal, 2019, 132, 2192-2198.	2.3	4
668	Mechanical Ventilation in ARDS. Critical Care Nursing Quarterly, 2019, 42, 392-399.	0.8	7
669	Driving Pressure during Thoracic Surgery. Anesthesiology, 2019, 130, 385-393.	2.5	128
670	Driving Pressure and Transpulmonary Pressure. Anesthesiology, 2019, 131, 155-163.	2.5	61
671	Should We Set Tidal Volume in Children Using the Driving Pressure?. Pediatric Critical Care Medicine, 2019, 20, 905.	0.5	2
672	Association Between Tidal Volumes Adjusted for Ideal Body Weight and Outcomes in Pediatric Acute Respiratory Distress Syndrome*. Pediatric Critical Care Medicine, 2019, 20, e145-e153.	0.5	27
673	Moderate-Intensity Insulin Therapy Is Associated With Reduced Length of Stay in Critically Ill Patients With Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic State. Critical Care Medicine, 2019, 47, 700-705.	0.9	17
674	Risk factors for the development of acute respiratory distress syndrome in mechanically ventilated adults in Peru: a multicenter observational study. Critical Care, 2019, 23, 398.	5.8	9
675	Global and Regional Respiratory Mechanics During Robotic-Assisted Laparoscopic Surgery. Anesthesia and Analgesia, 2019, 129, 1564-1573.	2.2	27
676	The authors reply. Pediatric Critical Care Medicine, 2019, 20, 905-906.	0.5	0
677	Airway Closure during Surgical Pneumoperitoneum in Obese Patients. Anesthesiology, 2019, 131, 58-73.	2.5	61
679	Ventilation during General Anaesthesia. , 2019, , 271-284.		0
680	SpÃ©cificitÃ©s ventilatoires du patient obÃ¨se. Praticien En Anesthesie Reanimation, 2019, 23, 285-291.	0.0	0
681	Ventilation for low dissipated energy achieved using flow control during both inspiration and expiration. Trends in Anaesthesia and Critical Care, 2019, 24, 5-12.	0.9	25

#	Article	IF	Citations
682	Physiologic Analysis and Clinical Performance of the Ventilatory Ratio in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 333-341.	5.6	186
683	Near-Apneic Ventilation Decreases Lung Injury and Fibroproliferation in an Acute Respiratory Distress Syndrome Model with Extracorporeal Membrane Oxygenation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 603-612.	5.6	82
684	Driving pressure and acute respiratory distress syndrome in critically ill patients. Respirology, 2019, 24, 137-145.	2.3	11
685	The Injurious Effects of Elevated or Nonelevated Respiratory Rate during Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 149-157.	5.6	45
686	Phenotypes in acute respiratory distress syndrome: moving towards precision medicine. Current Opinion in Critical Care, 2019, 25, 12-20.	3.2	128
687	Bedside respiratory physiology to detect risk of lung injury in acute respiratory distress syndrome. Current Opinion in Critical Care, 2019, 25, 3-11.	3.2	12
688	Mechanical ventilation for the non-anaesthetist 2: practical tips. British Journal of Hospital Medicine (London, England: 2005), 2019, 80, C12-C16.	0.5	1
689	Stress, strain y potencia mecÃ¡nica. Â¿Es la ingenierÃa de materiales la respuesta para prevenir la lesiÃ³n inducida por el ventilador?. Medicina Intensiva, 2019, 43, 165-175.	0.7	11
690	The Right Ventricle During Selective Lung Ventilation for Thoracic Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 2007-2016.	1.3	16
691	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. Lancet Respiratory Medicine,the, 2019, 7, 90-98.	10.7	139
692	Acute respiratory distress syndrome and the promise of driving pressure. Respirology, 2019, 24, 95-96.	2.3	0
693	The Acute Respiratory Distress Syndrome: Diagnosis and Management. , 2019, , 189-204.		50
695	Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome: EOLIA and Beyond. Critical Care Medicine, 2019, 47, 114-117.	0.9	19
697	Prone positioning before extracorporeal membrane oxygenation for severe acute respiratory distress syndrome: A retrospective multicenter study. Medicina Intensiva, 2019, 43, 402-409.	0.7	9
698	Management Strategies for Severe and Refractory Acute Respiratory Distress Syndrome: Where Do We Stand in 2018?. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 2589-2594.	1.3	2
699	Ventilator Management for Pediatric Acute Respiratory Distress Syndrome. , 2019, , 3-15.		0
700	Guidelines for Perioperative Care in Esophagectomy: Enhanced Recovery After Surgery (ERAS^{Â®}) Society Recommendations. World Journal of Surgery, 2019, 43, 299-330.	1.6	395
703	The Effects of Leukocyte Filtration on Cell Salvaged Autologous Blood Transfusion on Lung Function and Lung Inflammatory and Oxidative Stress Reactions in Elderly Patients Undergoing Lumbar Spinal Surgery. Journal of Neurosurgical Anesthesiology, 2019, 31, 36-42.	1.2	3

#	Article	IF	Citations
704	The impact of obesity on pulmonary deterioration in patients undergoing robotic-assisted laparoscopic prostatectomy. Journal of Clinical Monitoring and Computing, 2019, 33, 133-143.	1.6	10
705	Injury Characteristics and von Willebrand Factor for the Prediction of Acute Respiratory Distress Syndrome in Patients With Burn Injury. Annals of Surgery, 2019, 270, 1186-1193.	4.2	7
706	Changes in ventilator settings and ventilationâ€“induced lung injury in burn patientsâ€”A systematic review. Burns, 2020, 46, 762-770.	1.9	7
707	Acute Respiratory Distress Syndrome: Etiology, Pathogenesis, and Summary on Management. Journal of Intensive Care Medicine, 2020, 35, 723-737.	2.8	52
708	Effects of ventilation mode and manual chest compression on flow bias during the positive end- and zero end-expiratory pressure manoeuvre in mechanically ventilated patients: a randomised crossover trial. Physiotherapy, 2020, 106, 145-153.	0.4	11
709	Effect of PEEP on Dead Space in an Experimental Model of ARDS. Respiratory Care, 2020, 65, 11-20.	1.6	13
711	Extra-corporeal membrane oxygenation for severe respiratory failure in the UK. Journal of the Intensive Care Society, 2020, 21, 247-255.	2.2	5
712	Alkali Therapy for Respiratory Acidosis: A Medical Controversy. American Journal of Kidney Diseases, 2020, 75, 265-271.	1.9	15
713	Prevalence and development of chronic critical illness in acute patients admitted to a respiratory intensive care setting. Pulmonology, 2020, 26, 151-158.	2.1	15
714	Static and Dynamic Contributors to Ventilator-induced Lung Injury in Clinical Practice. Pressure, Energy, and Power. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 767-774.	5.6	135
715	Multimodal non-invasive monitoring to apply an open lung approach strategy in morbidly obese patients during bariatric surgery. Journal of Clinical Monitoring and Computing, 2020, 34, 1015-1024.	1.6	6
716	Transpulmonary driving pressure during mechanical ventilationâ€“validation of a nonâ€invasive measurement method. Acta Anaesthesiologica Scandinavica, 2020, 64, 211-215.	1.6	3
718	Association of Intraoperative Ventilator Management With Postoperative Oxygenation, Pulmonary Complications, and Mortality. Anesthesia and Analgesia, 2020, 130, 165-175.	2.2	16
719	Automatic detection of reverse-triggering related asynchronies during mechanical ventilation in ARDS patients using flow and pressure signals. Journal of Clinical Monitoring and Computing, 2020, 34, 1239-1246.	1.6	17
720	Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. Research and Practice. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 514-525.	5.6	105
721	Airway and transpulmonary driving pressures and mechanical powers selected by INTELLiVENT-ASV in passive, mechanically ventilated ICU patients. Heart and Lung: Journal of Acute and Critical Care, 2020, 49, 427-434.	1.6	23
722	Lung Ultrasound for the Diagnosis and Management of Acute Respiratory Failure. Lung, 2020, 198, 1-11.	3.3	26
723	Intraoperative Anesthetic Management of Patients with Chronic Obstructive Pulmonary Disease to Decrease the Risk of Postoperative Pulmonary Complications after Abdominal Surgery. Journal of Clinical Medicine, 2020, 9, 150.	2.4	8

#	Article	IF	Citations
724	Patients with left ventricle assist devices presenting for thoracic surgery and lung resection: tips, tricks and evidence. Current Opinion in Anaesthesiology, 2020, 33, 17-26.	2.0	4
725	Monitoring respiratory mechanics during assisted ventilation. Current Opinion in Critical Care, 2020, 26, 11-17.	3.2	7
726	Searching for the optimal positive end-expiratory pressure for lung protective ventilation. Current Opinion in Critical Care, 2020, 26, 53-58.	3.2	12
727	PEEP Titration to Minimize Driving Pressure in Subjects With ARDS: A Prospective Physiological Study. Respiratory Care, 2020, 65, 583-589.	1.6	17
728	Lung protection in acute respiratory distress syndrome. Current Opinion in Critical Care, 2020, 26, 26-34.	3.2	8
729	Positive End-expiratory Pressure and Distribution of Ventilation in Pneumoperitoneum Combined with Steep Trendelenburg Position. Anesthesiology, 2020, 132, 476-490.	2.5	48
730	Effect of Endotracheal Tube Size, Respiratory System Mechanics, and Ventilator Settings on Driving Pressure. Pediatric Critical Care Medicine, 2020, 21, e47-e51.	0.5	8
731	Continuous lateral rotational therapy in thoracic traumaâ€“â€“A matched pair analysis. Injury, 2020, 51, 51-58.	1.7	2
732	Use of hemoadsorption in sepsis-associated ECMO-dependent severe ARDS: A case series. Journal of the Intensive Care Society, 2020, 21, 183-190.	2.2	31
733	Use of pressure-regulated volume control in the first 48 hours of hospitalization of mechanically ventilated patients with sepsis or septic shock, with or without ARDS. Journal of the Intensive Care Society, 2020, 21, 305-311.	2.2	2
734	Flow-Controlled Ventilation Attenuates Lung Injury in a Porcine Model of Acute Respiratory Distress Syndrome. Critical Care Medicine, 2020, 48, e241-e248.	0.9	38
735	Perioperative Management of Patients with Sepsis and Septic Shock, Part I. Anesthesiology Clinics, 2020, 38, 107-122.	1.4	5
736	Recursos fisioterapÃªuticos utilizados em unidades de terapia intensiva para avaliaÃ§Ã£o e tratamento das disfunÃ§Ãµes respiratÃ³rias de pacientes com covid-19. ASSOBRAFIR Ciâˆšâ„¢ncia, 2020, 11, 73.	0.0	5
738	A narrative review of driving pressure as a monitoring indicator during mechanical ventilation with spontaneous breathing. Annals of Palliative Medicine, 2020, 9, 3522-3527.	1.2	3
739	Comparison of Prognostic Factors Between Direct and Indirect Pediatric ARDS. Respiratory Care, 2020, 65, respcare.07605.	1.6	2
740	The Septic Patient. Anesthesiology Clinics, 2020, 38, 889-899.	1.4	2
742	In Silico Modeling of Coronavirus Disease 2019 Acute Respiratory Distress Syndrome: Pathophysiologic Insights and Potential Management Implications. , 2020, 2, e0202.		14
743	Extracorporeal membrane oxygenation for COVID-19 induced hypoxia: Single-center study. Perfusion (United Kingdom), 2020, 36, 026765912096388.	1.0	12

#	Article	IF	Citations
745	Extracorporeal Membrane Oxygenation for COVID-19. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2020, 15, 306-313.	0.9	5
746	Bedside calculation of mechanical power during volume- and pressure-controlled mechanical ventilation. Critical Care, 2020, 24, 417.	5.8	71
747	Recommendations of the Working Groups from the Spanish Society of Intensive and Critical Care Medicine and Coronary Units (SEMICYUC) for the management of adult critically ill patients in the coronavirus disease (COVID-19). Medicina Intensiva (English Edition), 2020, 44, 371-388.	0.2	5
748	A Mathematical Model of Lung Functionality using Pressure Signal for Volume-Controlled Ventilation. , 2020, , .		1
749	Technologies to Optimize the Care of Severe COVID-19 Patients for Health Care Providers Challenged by Limited Resources. Anesthesia and Analgesia, 2020, 131, 351-364.	2.2	41
750	Individualised positive end-expiratory pressure guided by electrical impedance tomography for robot-assisted laparoscopic radical prostatectomy: a prospective, randomised controlled clinical trial. British Journal of Anaesthesia, 2020, 125, 373-382.	3.4	38
752	Phenotypes and personalized medicine in the acute respiratory distress syndrome. Intensive Care Medicine, 2020, 46, 2136-2152.	8.2	106
753	The efficacy of mesenchymal stromal cell-derived therapies for acute respiratory distress syndromeâ€"a meta-analysis of preclinical trials. Respiratory Research, 2020, 21, 307.	3.6	10
754	COVID-19 medical management including World Health Organization (WHO) suggested management strategies. Disease-a-Month, 2020, 66, 101068.	1.1	18
755	PRactice of VENTilation in Patients with Novel Coronavirus Disease (PRoVENT-COVID): rationale and protocol for a national multicenter observational study in The Netherlands. Annals of Translational Medicine, 2020, 8, 1251-1251.	1.7	24
756	Is It the Missing Piece for Coronavirus Disease 2019, Acute Respiratory Distress Syndrome, and Venovenous Extracorporeal Membrane Oxygenation?. ASAIO Journal, 2020, 66, 1084-1086.	1.6	0
757	Effect of a Lower vs Higher Positive End-Expiratory Pressure Strategy on Ventilator-Free Days in ICU Patients Without ARDS. JAMA - Journal of the American Medical Association, 2020, 324, 2509.	7.4	41
758	Comparison of the Oxygenation Factor and the Oxygenation Ratio in Subjects With ARDS. Respiratory Care, 2020, 65, respcare.07669.	1.6	3
759	Effect of low-level laser therapy on the inflammatory response in an experimental model of ventilator-induced lung injury. Photochemical and Photobiological Sciences, 2020, 19, 1356-1363.	2.9	6
760	Prospective Observational Study to Evaluate the Effect of Different Levels of Positive End-Expiratory Pressure on Lung Mechanics in Patients with and without Acute Respiratory Distress Syndrome. Journal of Clinical Medicine, 2020, 9, 2446.	2.4	2
761	Fully automated postoperative ventilation in cardiac surgery patients: a randomised clinical trial. British Journal of Anaesthesia, 2020, 125, 739-749.	3.4	22
762	ECCO2R therapy in the ICU: consensus of a European round table meeting. Critical Care, 2020, 24, 490.	5.8	33
763	Have there been changes in the application of mechanical ventilation in relation to scientific evidence? A multicenter observational study in Mexico. Medicina Intensiva (English Edition), 2020, 44, 333-343.	0.2	1

#	Article	IF	Citations
764	Full Issue PDF. JACC: Case Reports, 2020, 2, I-CCVI.	0.6	0
765	Airway pressure morphology and respiratory muscle activity during end-inspiratory occlusions in pressure support ventilation. Critical Care, 2020, 24, 467.	5.8	17
766	Donâ€™t Drive Blind: Driving Pressure to Optimize Ventilator Management in ECMO. Lung, 2020, 198, 785-792.	3.3	7
767	Time-varying intensity of mechanical ventilation and mortality in patients with acute respiratory failure: a registry-based, prospective cohort study. Lancet Respiratory Medicine,the, 2020, 8, 905-913.	10.7	106
768	Extracorporeal membrane oxygenation for severe acute respiratory distress syndrome associated with COVID-19: a retrospective cohort study. Lancet Respiratory Medicine,the, 2020, 8, 1121-1131.	10.7	344
769	Unsolved Mysteries: High-Frequency Jet Ventilation in the Neonatal ICU. Respiratory Care, 2020, 65, 1784-1785.	1.6	1
770	The Association Between the Mechanical Ventilator Pressures and Outcomes in a Cohort of Patients with Acute Respiratory Failure. Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine, 2020, 14, 117954842096624.	0.9	1
771	Physiological effects of two driving pressure-based methods to set positive end-expiratory pressure during one lung ventilation. Journal of Clinical Monitoring and Computing, 2021, 35, 1149-1157.	1.6	16
774	Progress of mechanical power in the intensive care unit. Chinese Medical Journal, 2020, 133, 2197-2204.	2.3	5
775	Updates in Sepsis Resuscitation. Emergency Medicine Clinics of North America, 2020, 38, 807-818.	1.2	6
776	Resuscitating the Crashing Pregnant Patient. Emergency Medicine Clinics of North America, 2020, 38, 903-917.	1.2	4
777	Respiratory physiology of COVID-19-induced respiratory failure compared to ARDS of other etiologies. Critical Care, 2020, 24, 529.	5.8	128
780	Positive end-expiratory pressure-induced recruited lung volume measured by volume-pressure curves in acute respiratory distress syndrome: a physiologic systematic review and meta-analysis. Intensive Care Medicine, 2020, 46, 2212-2225.	8.2	14
781	Mediators of the Impact of Hourly Net Ultrafiltration Rate on Mortality in Critically Ill Patients Receiving Continuous Renal Replacement Therapy. Critical Care Medicine, 2020, 48, e934-e942.	0.9	15
782	Extracorporeal Membrane Oxygenation for Critically Ill Patients with COVID-19â€“related Acute Respiratory Distress Syndrome: Worth the Effort!. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1477-1479.	5.6	2
783	Mechanical Ventilation Strategy Guided by Transpulmonary Pressure in Severe Acute Respiratory Distress Syndrome Treated With Venovenous Extracorporeal Membrane Oxygenation. Critical Care Medicine, 2020, 48, 1280-1288.	0.9	23
784	Critical Care Management for Novel 2019 SARS-CoV-2 and HCoV-NL63 Coinfection in a Young Immunocompromised Patient: A Chicago Experience. Case Reports in Critical Care, 2020, 2020, 1-8.	0.4	7
785	Compliance Phenotypes in Early Acute Respiratory Distress Syndrome before the COVID-19 Pandemic. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1244-1252.	5.6	85

#	Article	IF	Citations
786	Incidence and outcomes of acute respiratory distress syndrome in intensive care units of mainland China: a multicentre prospective longitudinal study. Critical Care, 2020, 24, 515.	5.8	33
787	Clinical transplantation using negative pressure ventilation ex situ lung perfusion with extended criteria donor lungs. Nature Communications, 2020, 11, 5765.	12.8	14
788	Bleomycin-induced lung injury treated with venovenous extracorporeal membrane oxygenation (ECMO) and ultra-protective ventilator settings. BMJ Case Reports, 2020, 13, e236474.	0.5	2
789	Lower versus higher hemoglobin threshold for transfusion in ARDS patients with and without ECMO. Critical Care, 2020, 24, 697.	5.8	13
790	ARDS in COVID-19 and beyond: Letâ€™s keep our eyes on the goal instead of the straw man. Journal of the Intensive Care Society, 2021, 22, 267-269.	2.2	0
791	Fluctuations of driving pressure during mechanical ventilation indicates elevated central venous pressure and poor outcomes. Pulmonary Circulation, 2020, 10, 1-8.	1.7	2
792	Venovenous extracorporeal membrane oxygenation for patients with refractory coronavirus disease 2019 (COVID-19): Multicenter experience of referral hospitals in a large health care system. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 1071-1079.e3.	0.8	26
793	Five novel clinical phenotypes for critically ill patients with mechanical ventilation in intensive care units: a retrospective and multi database study. Respiratory Research, 2020, 21, 325.	3.6	15
794	Perioperative Lung Protection: Clinical Implications. Anesthesia and Analgesia, 2020, 131, 1721-1729.	2.2	16
795	Disease Mechanisms of Perioperative Organ Injury. Anesthesia and Analgesia, 2020, 131, 1730-1750.	2.2	16
796	Diagnosis and Management of Acute Respiratory Distress Syndrome in a Time of COVID-19. Diagnostics, 2020, 10, 1053.	2.6	13
797	Current and evolving standards of care for patients with ARDS. Intensive Care Medicine, 2020, 46, 2157-2167.	8.2	55
798	Real-Time Effort Driven Ventilator Management: A Pilot Study*. Pediatric Critical Care Medicine, 2020, 21, 933-940.	0.5	15
799	Clinical strategies for implementing lung and diaphragm-protective ventilation: avoiding insufficient and excessive effort. Intensive Care Medicine, 2020, 46, 2314-2326.	8.2	105
800	Targeting Driving Pressure for the Management of ARDSâ€¦Isnâ€™t It Just Very Low Tidal Volume Ventilation?. Annals of the American Thoracic Society, 2020, 17, 557-558.	3.2	4
801	Parameter updating of a patient-specific lung mechanics model for optimising mechanical ventilation. Biomedical Signal Processing and Control, 2020, 60, 102003.	5.7	14
802	Update for Anaesthetists on Clinical Features of COVID-19 Patients and Relevant Management. Journal of Clinical Medicine, 2020, 9, 1495.	2.4	10
803	Respiratory management in severe acute respiratory syndrome coronavirus 2 infection. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 229-238.	1.0	23

#	Article	IF	Citations
804	A Collaborative Multidisciplinary Approach to the Management of Coronavirus Disease 2019 in the Hospital Setting. Mayo Clinic Proceedings, 2020, 95, 1467-1481.	3.0	21
805	Electrical Impedance Tomography for Positive End-Expiratory Pressure Titration in COVID-19â€"related Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 280-284.	5.6	56
806	Management of ARDS: From ventilation strategies to intelligent technical support â€" Connecting the dots. Trends in Anaesthesia and Critical Care, 2020, 34, 50-58.	0.9	4
807	Utility of Driving Pressure and Mechanical Power to Guide Protective Ventilator Settings in Two Cohorts of Adult and Pediatric Patients With Acute Respiratory Distress Syndrome: A Computational Investigation. Critical Care Medicine, 2020, 48, 1001-1008.	0.9	24
808	Respiratory Mechanics and Outcomes in Immunocompromised Patients With ARDS. Chest, 2020, 158, 1947-1957.	0.8	12
809	Elastic power but not driving power is the key promoter of ventilator-induced lung injury in experimental acute respiratory distress syndrome. Critical Care, 2020, 24, 284.	5.8	15
810	Esophageal Manometry. Respiratory Care, 2020, 65, 772-792.	1.6	25
811	Lung Volume Measurement and Ventilation Distribution During Invasive Mechanical Ventilation. Respiratory Care, 2020, 65, 760-771.	1.6	3
812	Finding Best PEEP: A Little at a Time. Respiratory Care, 2020, 65, 722-724.	1.6	1
813	Monitoring During Mechanical Ventilation. Respiratory Care, 2020, 65, 832-846.	1.6	22
814	Shared Ventilation in the Era of COVID-19: A Theoretical Consideration of the Dangers and Potential Solutions. Respiratory Care, 2020, 65, 932-945.	1.6	40
815	Mechanical power and driving pressure as predictors of mortality among patients with ARDS. Intensive Care Medicine, 2020, 46, 1941-1943.	8.2	37
816	The acute respiratory distress syndrome. Baylor University Medical Center Proceedings, 2020, 33, 357-365.	0.5	24
817	MADVent: A lowâ€cost ventilator for patients with COVIDâ€19. Medical Devices & Sensors, 2020, 3, e10106.	2.7	38
818	Lung- and Diaphragm-Protective Ventilation. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 950-961.	5.6	166
819	Ventilator Sharing during an Acute Shortage Caused by the COVID-19 Pandemic. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 600-604.	5.6	89
820	Early Driving Pressure Changes Predict Outcomes during Venovenous Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. Critical Care Research and Practice, 2020, 2020, 1-9.	1.1	4
821	Expiratory Resistances Prevent Expiratory Diaphragm Contraction, Flow Limitation, and Lung Collapse. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1218-1229.	5.6	8

#	Article	IF	Citations
822	Quantifying Regional Lung Deformation Using Four-Dimensional Computed Tomography: A Comparison of Conventional and Oscillatory Ventilation. Frontiers in Physiology, 2020, 11, 14.	2.8	15
823	Mechanical Stretch: An Important and Understudied Feature of Acute and Chronic Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 992-994.	5.6	2
824	Positive end-expiratory pressure and recruitment maneuvers during one-lung ventilation: A systematic review and meta-analysis. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1112-1122.e3.	0.8	17
825	â€œAwakeâ€•Extracorporeal Membrane Oxygenation Combined With Continuous Renal Replacement Therapy For the Treatment of Severe Chemical Gas Inhalation Lung Injury. Journal of Burn Care and Research, 2020, 41, 908-912.	0.4	3
827	ARDS Subphenotypes: Understanding a Heterogeneous Syndrome. Critical Care, 2020, 24, 102.	5.8	129
828	Monitoring Patient Respiratory Effort During Mechanical Ventilation: Lung and Diaphragm-Protective Ventilation. Critical Care, 2020, 24, 106.	5.8	67
829	Reacquainting Cardiology With Mechanical Ventilation in Response to the COVID-19 Pandemic. JACC: Case Reports, 2020, 2, 1402-1406.	0.6	15
830	Management of Severe ARDS: New Strategies and Ongoing Challenges. Respiratory Care, 2020, 65, 577-580.	1.6	1
831	Update on extracorporeal carbon dioxide removal: a comprehensive review on principles, indications, efficiency, and complications. Perfusion (United Kingdom), 2020, 35, 492-508.	1.0	11
832	Prone positioning in severe ARDS requiring extracorporeal membrane oxygenation. Critical Care, 2020, 24, 397.	5.8	40
833	Hypoxemia on life support for guiding acute respiratory distress syndrome therapy?. Journal of Thoracic Disease, 2020, 12, 3010-3012.	1.4	0
834	Estimating the Damaging Power of High-Stress Ventilation. Respiratory Care, 2020, 65, 1046-1052.	1.6	10
836	Assessment of spontaneous breathing during pressure controlled ventilation with superimposed spontaneous breathing using respiratory flow signal analysis. Journal of Clinical Monitoring and Computing, 2021, 35, 859-868.	1.6	1
837	SARS-CoV-2â€“induced Acute Respiratory Distress Syndrome: Pulmonary Mechanics and Gas-Exchange Abnormalities. Annals of the American Thoracic Society, 2020, 17, 1164-1168.	3.2	28
838	Baseline, delta, and achieved lowâ€density lipoprotein cholesterol levels and cardiovascular risk in patients on statin therapy: A postâ€hoc resampling mediation analysis of treating new targets [TNT] trial. Clinical and Experimental Pharmacology and Physiology, 2020, 47, 1649-1658.	1.9	0
839	COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted?. Lancet Respiratory Medicine,the, 2020, 8, 816-821.	10.7	375
840	Building the house of CARDS by phenotyping on the fly. European Respiratory Journal, 2020, 56, 2002429.	6.7	6
841	Initial emergency department mechanical ventilation strategies for COVID-19 hypoxemic respiratory failure and ARDS. American Journal of Emergency Medicine, 2020, 38, 2194-2202.	1.6	36

#	Article	IF	Citations
843	Protective mechanical ventilation in the obese patient. International Anesthesiology Clinics, 2020, 58, 53-57.	0.8	1
844	Use of Noninvasive Ventilation in Respiratory Failure After Extubation During Postoperative Care in Pediatrics. Pediatric Cardiology, 2020, 41, 729-735.	1.3	10
845	Prone positioning monitored by electrical impedance tomography in patients with severe acute respiratory distress syndrome on veno-venous ECMO. Annals of Intensive Care, 2020, 10, 12.	4.6	43
846	Extracorporeal membrane oxygenation support in adult patients with acute respiratory distress syndrome. Expert Review of Respiratory Medicine, 2020, 14, 511-519.	2.5	4
847	The Clinical Effect of an Early, Protocolized Approach to Mechanical Ventilation for Severe and Refractory Hypoxemia. Respiratory Care, 2020, 65, 413-419.	1.6	8
848	Development of a Lung Rescue Team to Improve Care of Subjects With Refractory Acute Respiratory Failure. Respiratory Care, 2020, 65, 420-426.	1.6	11
849	Validation of neuromuscular blocking agent use in acute respiratory distress syndrome: a meta-analysis of randomized trials. Critical Care, 2020, 24, 54.	5.8	28
850	Effect of individualized PEEP titration guided by intratidal compliance profile analysis on regional ventilation assessed by electrical impedance tomography â€“ a randomized controlled trial. BMC Anesthesiology, 2020, 20, 42.	1.8	5
851	Driving Pressureâ€“limited Strategy for Patients with Acute Respiratory Distress Syndrome. A Pilot Randomized Clinical Trial. Annals of the American Thoracic Society, 2020, 17, 596-604.	3.2	29
852	Validating the inspired sinewave technique to measure the volume of the â€˜baby lungâ€™ in a porcine lung-injury model. British Journal of Anaesthesia, 2020, 124, 345-353.	3.4	6
853	Gender Differences in Authorship of Critical Care Literature. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 840-847.	5.6	44
854	How does mechanical ventilation damage lungs? What can be done to prevent it?. , 2020, , 68-73.e1.		1
855	What is the best mechanical ventilation strategy in ARDS?. , 2020, , 109-120.e1.		1
856	A lung rescue team improves survival in obesity with acute respiratory distress syndrome. Critical Care, 2020, 24, 4.	5.8	54
857	Interaction between regional lung volumes and ventilator-induced lung injury in the normal and endotoxemic lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L494-L499.	2.9	9
858	NEK7 mediated assembly and activation of NLRP3 inflammasome downstream of potassium efflux in ventilator-induced lung injury. Biochemical Pharmacology, 2020, 177, 113998.	4.4	33
861	Cuidado respiratorio en COVID-19. Acta Colombiana De Cuidado Intensivo, 2020, 20, 108-117.	0.2	14
863	Acute lung injury. Current Problems in Surgery, 2020, 57, 100777.	1.1	139

#	Article	IF	Citations
864	Recomendaciones de Â«hacerÂ» y Â«no hacerÂ» en el tratamiento de los pacientes crÃticos ante la pandemia por coronavirus causante de COVID-19 de los Grupos de Trabajo de la Sociedad EspaÃ±ola de Medicina Intensiva, CrÃtica y Unidades Coronarias (SEMICYUC). Medicina Intensiva, 2020, 44, 371-388.	0.7	53
865	Mean Airway Pressure As a Predictor of 90-Day Mortality in Mechanically Ventilated Patients*. Critical Care Medicine, 2020, 48, 688-695.	0.9	11
866	What Do Mean Airway Pressures Mean?*. Critical Care Medicine, 2020, 48, 767-769.	0.9	5
867	The anesthesiologist and COVID-19. Brazilian Journal of Anesthesiology (Elsevier), 2020, 70, 77-81.	0.4	7
868	ERS International Congress, Madrid, 2019: highlights from the Respiratory Intensive Care Assembly. ERJ Open Research, 2020, 6, 00331-2019.	2.6	1
869	A Physiologically Informed Strategy to Effectively Open, Stabilize, and Protect the Acutely Injured Lung. Frontiers in Physiology, 2020, 11, 227.	2.8	32
870	Mechanical Ventilation Lessons Learned From Alveolar Micromechanics. Frontiers in Physiology, 2020, 11, 233.	2.8	9
871	Tidal Volume Lowering by Instrumental Dead Space Reduction in Brain-Injured ARDS Patients: Effects on Respiratory Mechanics, Gas Exchange, and Cerebral Hemodynamics. Neurocritical Care, 2021, 34, 21-30.	2.4	11
872	Adaptive Control for Mechanical Ventilation for Improved Pressure Support. IEEE Transactions on Control Systems Technology, 2021, 29, 180-193.	5.2	18
873	The association between higher driving pressure and higher mortality in patients with pneumonia without acute respiratory distress syndrome. Journal of the Formosan Medical Association, 2021, 120, 204-211.	1.7	7
874	VentilaciÃ³n mecÃ¡nica en EspaÃ±a, 1998-2016: epidemiologÃa y desenlaces. Medicina Intensiva, 2021, 45, 3-13.	0.7	10
875	Implementation of an ED-based bundled mechanical ventilation protocol improves adherence to lung-protective ventilation. American Journal of Emergency Medicine, 2021, 43, 186-194.	1.6	5
876	Sepsis in the critically ill patient: current and emerging management strategies. Expert Review of Anti-Infective Therapy, 2021, 19, 635-647.	4.4	12
877	Response to Ventilator Adjustments for Predicting Acute Respiratory Distress Syndrome Mortality. Driving Pressure versus Oxygenation. Annals of the American Thoracic Society, 2021, 18, 857-864.	3.2	19
878	Prevalence of Reverse Triggering in Early ARDS. Chest, 2021, 159, 186-195.	0.8	14
879	Individualized positive end-expiratory pressure setting in patients with severe acute respiratory distress syndrome supported with veno-venous extracorporeal membrane oxygenation. Perfusion (United Kingdom), 2021, 36, 374-381.	1.0	0
880	Aging Influences the Metabolic and Inflammatory Phenotype in an Experimental Mouse Model of Acute Lung Injury. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 770-777.	3.6	3
881	Dynamic Airway Driving Pressure and Outcomes in Children With Acute Hypoxemic Respiratory Failure. Respiratory Care, 2021, 66, 403-409.	1.6	22

#	Article	IF	Citations
882	Effects of different positive end-expiratory pressure titrating strategies on oxygenation and respiratory mechanics during one- lung ventilation: a randomized controlled trial. Annals of Palliative Medicine, 2021, 10, 1133-1144.	1.2	6
883	Role of Positive End-Expiratory Pressure and Regional Transpulmonary Pressure in Asymmetrical Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 969-976.	5.6	11
884	Implementation of Protocolized Care in ARDS Improves Outcomes. Respiratory Care, 2021, 66, 600-609.	1.6	8
885	Comparison of mechanical power estimations in mechanically ventilated patients with ARDS: a secondary data analysis from the EPVent study. Intensive Care Medicine, 2021, 47, 130-132.	8.2	13
886	The Nature of Recruitment and De-Recruitment and Its Implications for Management of ARDS. Respiratory Care, 2021, 66, 510-530.	1.6	9
887	Mechanical ventilation in Spain, 1998â€“2016: Epidemiology and outcomes. Medicina Intensiva (English) Tj ETQq1 1 0.784314 rgBT	0.2	3
888	Elastic Power of Mechanical Ventilation in Morbid Obesity and Severe Hypoxemia. Respiratory Care, 2021, 66, 626-634.	1.6	11
890	Transpulmonary Pressureâ€“guided Ventilation to Attenuate Atelectrauma and Hyperinflation in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 934-937.	5.6	8
892	Identifying Subjects at Risk for Diaphragm Atrophy During Mechanical Ventilation Using Routinely Available Clinical Data. Respiratory Care, 2021, 66, 551-558.	1.6	10
893	Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PRoVENT-COVID): a national, multicentre, observational cohort study. Lancet Respiratory Medicine,the, 2021, 9, 139-148.	10.7	206
894	Evidence-Based Management of the Critically Ill Adult With SARS-CoV-2 Infection. Journal of Intensive Care Medicine, 2021, 36, 18-41.	2.8	7
896	Safety of the endotracheal tube for prolonged mechanical ventilation. Journal of Critical Care, 2021, 61, 144-151.	2.2	1
898	Ventilatory management of patients on ECMO. Indian Journal of Thoracic and Cardiovascular Surgery, 2021, 37, 248-253.	0.6	4
899	Comparing the Effects of Tidal Volume, Driving Pressure, and Mechanical Power on Mortality in Trials of Lung-Protective Mechanical Ventilation. Respiratory Care, 2021, 66, 221-227.	1.6	29
900	Predictores de Ã©xito del tratamiento con cÃ¡nula nasal de alto flujo en el fallo respiratorio agudo hipoxÃ©mico. Medicina Intensiva, 2021, 45, 80-87.	0.7	10
901	High frequency percussive ventilation as a rescue mode for refractory status asthmaticus â€“ a case study. Journal of Asthma, 2021, 58, 340-343.	1.7	3
902	Obesity in Critically Ill Patients. , 2021, , 935-947.		0
903	Measurement of Pleural Pressure. , 2021, , 485-491.		0

#	Article	IF	Citations
904	Getting SILI between Two Extracorporeal Membrane Oxygenation Runs. Annals of the American Thoracic Society, 2021, 18, 167-171.	3.2	0
905	Clinical application of esophageal manometry: how I do it. Critical Care, 2021, 25, 6.	5.8	13
907	Caring for patients at risk of ARDS: the role of driving pressure. Jornal Brasileiro De Pneumologia, 2021, 47, e20210013-e20210013.	0.7	0
908	Noninvasive ventilation and high-flow oxygen therapy for severe community-acquired pneumonia. Current Opinion in Infectious Diseases, 2021, 34, 142-150.	3.1	9
909	Mechanical ventilation in septic shock. Current Opinion in Anaesthesiology, 2021, 34, 107-112.	2.0	8
910	Ultraprotective ventilation allowed by extracorporeal CO2 removal improves the right ventricular function in acute respiratory distress syndrome patients: a quasi-experimental pilot study. Annals of Intensive Care, 2021, 11, 3.	4.6	9
912	Effects of deep neuromuscular block with low-pressure pneumoperitoneum on respiratory mechanics and biotrauma in a steep Trendelenburg position. Scientific Reports, 2021, 11, 1935.	3.3	10
915	Etiology and Outcomes of ARDS in the Elderly Population in an Intensive Care Unit in North India. Indian Journal of Critical Care Medicine, 2021, 25, 648-654.	0.9	3
916	Mortality Risk Assessment in COVID-19 Venovenous Extracorporeal Membrane Oxygenation. Annals of Thoracic Surgery, 2021, 112, 1983-1989.	1.3	23
918	Respiratory Mechanics. , 2021, , 35-125.		0
919	Protective mechanical ventilation in patients with risk factors for ARDS: prospective cohort study. Jornal Brasileiro De Pneumologia, 2021, 47, e20200360-e20200360.	0.7	6
920	Ventilation practices in burn patientsâ€"an international prospective observational cohort study. Burns and Trauma, 2021, 9, tkab034.	4.9	2
921	Alveolar compartmentalization of inflammatory and immune cell biomarkers in pneumonia-related ARDS. Critical Care, 2021, 25, 23.	5.8	23
923	Optimal Upper Limits of Plateau Pressure for Patients With Acute Respiratory Distress Syndrome During the First Seven Days: A Meta-Regression Analysis. Journal of Clinical Medicine Research, 2021, 13, 48-63.	1.2	5
925	Mechanical Ventilation in ARDS. , 2021, , 43-54.		0
926	Fifty Years of Mechanical Ventilationâ€"1970s to 2020. Critical Care Medicine, 2021, 49, 558-574.	0.9	12
927	Barotrauma in mechanically ventilated patients with Coronavirus disease 2019: a survey of 38 hospitals in Lombardy, Italy. Minerva Anestesiologica, 2021, 87, 193-198.	1.0	19
928	Extracorporeal Gas Exchange for Acute Respiratory Distress Syndrome: Open Questions, Controversies and Future Directions. Membranes, 2021, 11, 172.	3.0	9

#	Article	IF	Citations
929	Managing patientâ€“ventilator asynchrony with a twice-daily screening protocol: A retrospective cohort study. Australian Critical Care, 2021, 34, 539-546.	1.3	1
930	Evolution of COVID-19 management in critical care: review and perspective from a hospital in the United Kingdom. Acute and Critical Care, 2021, 36, 1-14.	1.4	6
931	2021 Acute Respiratory Distress Syndrome Update, With Coronavirus Disease 2019 Focus. Journal of Cardiothoracic and Vascular Anesthesia, 2022, 36, 1188-1195.	1.3	32
932	Static compliance of the respiratory system in COVID-19 related ARDS: an international multicenter study. Critical Care, 2021, 25, 52.	5.8	33
933	Temporal changes in the epidemiology, management, and outcome from acute respiratory distress syndrome in European intensive care units: a comparison of two large cohorts. Critical Care, 2021, 25, 87.	5.8	5
934	To evaluate different demographical and clinical characterstics in patients suffering from ARDS/ALI. IP Indian Journal of Immunology and Respiratory Medicine, 2021, 6, 44-48.	0.1	0
935	PEEP in thoracic anesthesia: pros and cons. Minerva Anestesiologica, 2021, 87, 223-229.	1.0	9
936	Effects of Methylprednisolone on Ventilator-Free Days in Mechanically Ventilated Patients with Acute Respiratory Distress Syndrome and COVID-19: A Retrospective Study. Journal of Clinical Medicine, 2021, 10, 760.	2.4	12
937	Effects of Varying Levels of Inspiratory Assistance with Pressure Support Ventilation and Neurally Adjusted Ventilatory Assist on Driving Pressure in Patients Recovering from Hypoxemic Respiratory Failure. Journal of Clinical Monitoring and Computing, 2022, 36, 419-427.	1.6	4
938	Virtual patients for mechanical ventilation in the intensive care unit. Computer Methods and Programs in Biomedicine, 2021, 199, 105912.	4.7	43
939	Precision medicine in acute respiratory distress syndrome: workshop report and recommendations for future research. European Respiratory Review, 2021, 30, 200317.	7.1	34
940	Barotrauma in mechanically ventilated patients with COVID-19. Minerva Anestesiologica, 2021, 87, 144-146.	1.0	0
941	Non-specialist therapeutic strategies in acute respiratory distress syndrome: a meta-analysis. Minerva Anestesiologica, 2021, 87, 803-816.	1.0	2
942	Changes in respiratory mechanics of artificial pneumothorax two-lung ventilation in video-assisted thoracoscopic esophagectomy in prone position. Scientific Reports, 2021, 11, 6978.	3.3	4
943	The Impact of a Standardized Refractory Hypoxemia Protocol on Outcome of Subjects Receiving Venovenous Extracorporeal Membrane Oxygenation. Respiratory Care, 2021, 66, 837-844.	1.6	0
944	Design of an Automated Non-Invasive Electromechanical Ventilator with Feedback Mechanism. , 2021, , .		1
945	The use of extracorporeal CO2 removal in acute respiratory failure. Annals of Intensive Care, 2021, 11, 43.	4.6	26
946	Extracorporeal life support in COVIDâ€19â€related acute respiratory distress syndrome: A EuroELSO international survey. Artificial Organs, 2021, 45, 495-505.	1.9	20

#	Article	IF	Citations
947	Controlled mechanical ventilation in equine anaesthesia: Physiological background and basic considerations (Part 1). Equine Veterinary Education, 2022, 34, 320-329.	0.6	2
948	Functional pathophysiology of SARS-CoV-2-induced acute lung injury and clinical implications. Journal of Applied Physiology, 2021, 130, 877-891.	2.5	40
949	Associations of Body Mass Index with Ventilation Management and Clinical Outcomes in Invasively Ventilated Patients with ARDS Related to COVID-19â€"Insights from the PRoVENT-COVID Study. Journal of Clinical Medicine, 2021, 10, 1176.	2.4	16
950	Reply to Camporota et al.: â€œEstablishedâ€•Respiratory Treatment in Acute Respiratory Distress Syndrome: Scientific Rigor or a Square Peg in a Round Hole?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 779-780.	5.6	0
951	Non-invasive ventilation for SARS-CoV-2 acute respiratory failure: a subanalysis from the HOPE COVID-19 registry. Emergency Medicine Journal, 2021, 38, 359-365.	1.0	36
952	Heart-Protective Mechanical Ventilation in Postoperative Cardiosurgical Patients. Critical Care Research and Practice, 2021, 2021, 1-8.	1.1	0
953	Predictors of success of high-flow nasal cannula in the treatment of acute hypoxemic respiratory failure. Medicina Intensiva (English Edition), 2021, 45, 80-87.	0.2	10
954	Mechanical Ventilation in the Obese Patient: Compliance, Pleural Pressure, and Driving Pressure. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 534-536.	5.6	5
955	Mechanical ventilation parameters in critically ill COVID-19 patients: a scoping review. Critical Care, 2021, 25, 115.	5.8	86
956	Oxygenation Strategies in Critically Ill Patients With COVID-19. Dimensions of Critical Care Nursing, 2021, 40, 75-82.	0.9	1
957	Severe covid-19 pneumonia: pathogenesis and clinical management. BMJ, The, 2021, 372, n436.	6.0	240
958	Treatment with senicapoc in a porcine model of acute respiratory distress syndrome. Intensive Care Medicine Experimental, 2021, 9, 20.	1.9	3
959	A review of intraoperative lung-protective mechanical ventilation strategy. Trends in Anaesthesia and Critical Care, 2021, 37, 9-17.	0.9	2
960	Intra-cycle power: is the flow profile a neglected component of lung protection?. Intensive Care Medicine, 2021, 47, 609-611.	8.2	16
961	Driving pressure monitoring during acute respiratory failure in 2020. Current Opinion in Critical Care, 2021, 27, 303-310.	3.2	10
962	Individualized versus Fixed Positive End-expiratory Pressure for Intraoperative Mechanical Ventilation in Obese Patients: A Secondary Analysis. Anesthesiology, 2021, 134, 887-900.	2.5	38
963	ARDS Outcomes in Non-Research Subjects Assessed by Generalized Prospective Trial Eligibility Criteria and Adherence to Lung-Protective Ventilation. Respiratory Care, 2021, 66, 1380-1388.	1.6	2
964	Ten things you need to know about intensive care unit management of mechanically ventilated patients with COVID-19. Expert Review of Respiratory Medicine, 2021, 15, 1293-1302.	2.5	12

#	Article	IF	Citations
965	Diaphragm function in acute respiratory failure and the potential role of phrenic nerve stimulation. Current Opinion in Critical Care, 2021, 27, 282-289.	3.2	3
966	Algorithmic surveillance of ICU patients with acute respiratory distress syndrome (ASIC): protocol for a multicentre stepped-wedge cluster randomised quality improvement strategy. BMJ Open, 2021, 11, e045589.	1.9	9
967	A Dedicated Veno-Venous Extracorporeal Membrane Oxygenation Unit during a Respiratory Pandemic: Lessons Learned from COVID-19 Part II: Clinical Management. Membranes, 2021, 11, 306.	3.0	5
968	Transpulmonary Pressure-Guided Lung-Protective Ventilation Improves Pulmonary Mechanics and Oxygenation Among Obese Subjects on Mechanical Ventilation. Respiratory Care, 2021, 66, 1049-1058.	1.6	6
969	Adherence to Lung-Protective Ventilation Principles in Pediatric Acute Respiratory Distress Syndrome: A Pediatric Acute Respiratory Distress Syndrome Incidence and Epidemiology Study*. Critical Care Medicine, 2021, 49, 1779-1789.	0.9	24
970	Cardiac biomarkers in acute respiratory distress syndrome: a systematic review and meta-analysis. Journal of Intensive Care, 2021, 9, 36.	2.9	15
971	Acute Respiratory Distress Syndrome in the Perioperative Period of Cardiac Surgery: Predictors, Diagnosis, Prognosis, Management Options, and Future Directions. Journal of Cardiothoracic and Vascular Anesthesia, 2022, 36, 1169-1179.	1.3	26
972	Resuscitation of the Critically Ill Older Adult. Emergency Medicine Clinics of North America, 2021, 39, 273-286.	1.2	1
973	Effect of spontaneous breathing on ventilator-free days in critically ill patientsâ€”an analysis of patients in a large observational cohort. Annals of Translational Medicine, 2021, 9, 783-783.	1.7	1
974	Machine learning predicts mortality based on analysis of ventilation parameters of critically ill patients: multi-centre validation. BMC Medical Informatics and Decision Making, 2021, 21, 152.	3.0	10
975	Ventilation Parameters Before Extracorporeal Membrane Oxygenator and In-Hospital Mortality in Children: A Review of the ELSO Registry. ASAIO Journal, 2022, 68, 281-286.	1.6	6
976	COVID-19 ARDS Is Characterized by Increased Dead Space Ventilation Compared With Non-COVID ARDS. Respiratory Care, 2021, 66, 1406-1415.	1.6	10
979	Protective mechanical ventilation with optimal PEEP during RARP improves oxygenation and pulmonary indexes. Trials, 2021, 22, 351.	1.6	3
980	Treatment of Bronchopleural and Alveolopleural Fistulas in Acute Respiratory Distress Syndrome With Extracorporeal Membrane Oxygenation, a Case Series and Literature Review. , 2021, 3, e0393.		5
981	Product of driving pressure and respiratory rate for predicting weaning outcomes. Journal of International Medical Research, 2021, 49, 030006052110100.	1.0	3
983	A case report of individualized ventilation in a COVID-19 patient â€“ new possibilities and caveats to consider with flow-controlled ventilation. BMC Anesthesiology, 2021, 21, 145.	1.8	8
984	Impact of Height Estimation on Tidal Volume Calculation for Protective Ventilationâ€”A Prospective Observational Study. , 2021, 3, e0422.		2
985	A biâ€centric experience of extracorporeal carbon dioxide removal (ECCO 2 R) for acute hypercapnic respiratory failure following allogeneic hematopoietic stem cell transplantation. Artificial Organs, 2021, 45, 903-910.	1.9	4

#	Article	IF	Citations
986	2020 Year in Review: Mechanical Ventilation During the First Year of the COVID-19 Pandemic. Respiratory Care, 2021, 66, 1341-1362.	1.6	7
987	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome: Propensity Score Matching. Membranes, 2021, 11, 393.	3.0	5
988	Diaphragm neurostimulation during mechanical ventilation reduces atelectasis and transpulmonary plateau pressure, preserving lung homogeneity and PaO2/FiO2. Journal of Applied Physiology, 2021, 131, 290-301.	2.5	17
989	Achieving Safe Liberation During Weaning From VV-ECMO in Patients With Severe ARDS. Chest, 2021, 160, 1704-1713.	0.8	25
990	Individualized Mechanical power-based ventilation strategy for acute respiratory failure formalized by finite mixture modeling and dynamic treatment regimen. EClinicalMedicine, 2021, 36, 100898.	7.1	11
991	Closed-Loop Versus Conventional Mechanical Ventilation in COVID-19 ARDS. Journal of Intensive Care Medicine, 2021, 36, 1184-1193.	2.8	12
992	Transpulmonary pressure measurements and lung mechanics in patients with early ARDS and SARS-CoV-2. Journal of Critical Care, 2021, 63, 106-112.	2.2	14
993	Brain-Lung Conflicts and Patterns of Mechanical Ventilation*. Critical Care Medicine, 2021, 49, 1200-1202.	0.9	1
994	Risk factors for adverse outcomes during mechanical ventilation of 1152 COVID-19 patients: a multicenter machine learning study with highly granular data from the Dutch Data Warehouse. Intensive Care Medicine Experimental, 2021, 9, 32.	1.9	4
995	Comparative Effectiveness of Protective Ventilation Strategies for Moderate and Severe Acute Respiratory Distress Syndrome. A Network Meta-Analysis. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1366-1377.	5.6	47
996	Ventilation strategies for front of neck airway rescue: an in silico study. British Journal of Anaesthesia, 2021, 126, 1226-1236.	3.4	4
997	Measurement of Electrical Impedance Tomography-Based Regional Ventilation Delay for Individualized Titration of End-Expiratory Pressure. Journal of Clinical Medicine, 2021, 10, 2933.	2.4	6
998	Oscillatory ventilation redux: alternative perspectives on ventilator-induced lung injury in the acute respiratory distress syndrome. Current Opinion in Physiology, 2021, 21, 36-43.	1.8	10
999	Individualization of PEEP and tidal volume in ARDS patients with electrical impedance tomography: a pilot feasibility study. Annals of Intensive Care, 2021, 11, 89.	4.6	15
1000	Paediatric acute respiratory distress syndrome (PARDS). Paediatrics and Child Health (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	0.4	1
1001	Oesophageal balloon positioning by echocardiography to guide positive pressure ventilation. Journal of Clinical Monitoring and Computing, 2022, 36, 1037-1041.	1.6	1
1002	Driving Pressure and Normalized Energy Transmission Calculations in Mechanically Ventilated Children Without Lung Disease and Pediatric Acute Respiratory Distress Syndrome*. Pediatric Critical Care Medicine, 2021, 22, 870-878.	0.5	13
1003	Management of Intraoperative Mechanical Ventilation to Prevent Postoperative Complications after General Anesthesia: A Narrative Review. Journal of Clinical Medicine, 2021, 10, 2656.	2.4	9

#	Article	IF	Citations
1004	A preliminary cost-effectiveness analysis of lung protective ventilation with extra corporeal carbon dioxide removal (ECCO2R) in the management of acute respiratory distress syndrome (ARDS). Journal of Critical Care, 2021, 63, 45-53.	2.2	4
1005	OLA strategy for ARDS: Its effect on mortality depends on achieved recruitment (PaO2/FiO2) and mechanical power. Systematic review and meta-analysis with meta-regression. Medicina Intensiva, 2021, 45, 516-531.	0.7	7
1006	Lower Vt and Prone Position: Quo Vadis?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1333-1334.	5.6	0
1007	Emergency Department Management of Severe Hypoxemic Respiratory Failure in Adults With COVID-19. Journal of Emergency Medicine, 2021, 60, 729-742.	0.7	6
1008	Driving Pressureâ€“Guided Individualized Positive End-Expiratory Pressure in Abdominal Surgery: A Randomized Controlled Trial. Anesthesia and Analgesia, 2021, 133, 1197-1205.	2.2	30
1009	Effect of Lowering V‹scp›t‹/scp› on Mortality in Acute Respiratory Distress Syndrome Varies with Respiratory System Elastance. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1378-1385.	5.6	118
1010	Do More Injured Lungs Need More Protection? Letâ€™s Test It. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1334-1336.	5.6	3
1011	Reply to Tobin. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 869-870.	5.6	4
1012	Advancing precision medicine for acute respiratory distress syndrome. Lancet Respiratory Medicine,the, 2022, 10, 107-120.	10.7	83
1013	Randomized crossover trial to compare driving pressures in a closedâ€loop and a conventional mechanical ventilation mode in pediatric patients. Pediatric Pulmonology, 2021, 56, 3035-3043.	2.0	5
1014	Coronavirus disease 2019 respiratory failure: what is the best supportive care for patients who require ICU admission?. Current Opinion in Critical Care, 2021, 27, 462-467.	3.2	5
1015	Higher versus lower positive end-expiratory pressure in patients without acute respiratory distress syndrome: a meta-analysis of randomized controlled trials. Critical Care, 2021, 25, 247.	5.8	3
1016	A rational approach on the use of extracorporeal membrane oxygenation in severe hypoxemia: advanced technology is not a panacea. Annals of Intensive Care, 2021, 11, 107.	4.6	13
1017	When could airway plateau pressure above 30ÂcmH2O be acceptable in ARDS patients?. Intensive Care Medicine, 2021, 47, 1028-1031.	8.2	3
1018	Prone-Positioning for Severe Acute Respiratory Distress Syndrome Requiring Extracorporeal Membrane Oxygenation. Critical Care Medicine, 2022, 50, 264-274.	0.9	26
1019	Personalized Positive End-Expiratory Pressure and Tidal Volume in Acute Respiratory Distress Syndrome: Bedside Physiology-Based Approach. , 2021, 3, e0486.		6
1020	Effectiveness, safety and efficacy of INTELLiVENTâ€“adaptive support ventilation, a closedâ€“loop ventilation mode for use in ICU patients â€“ a systematic review. Expert Review of Respiratory Medicine, 2021, 15, 1403-1413.	2.5	10
1021	Subcutaneous and mediastinal emphysema, uncommon complications of COVID-19 ARDS: a case series. Journal of Emergency and Critical Care Medicine, 0, 5, 26-26.	0.7	0

#	Article	IF	Citations
1022	Adaptive support ventilation in pediatric respiratory failure: Should intensivists be reliant on assistive technology?. Pediatric Pulmonology, 2021, 56, 3087-3088.	2.0	0
1023	Management of ARDS â€“ What Works and What Does Not. American Journal of the Medical Sciences, 2021, 362, 13-23.	1.1	28
1024	Design of a novel multifunction decision support/alerting system for in-patient acute care, ICU and floor (AlertWatch AC). BMC Anesthesiology, 2021, 21, 196.	1.8	8
1025	ECCO2R in 12 COVID-19 ARDS Patients With Extremely Low Compliance and Refractory Hypercapnia. Frontiers in Medicine, 2021, 8, 654658.	2.6	6
1026	Evaluation of Positive End-Expiratory Pressure Strategies in Patients With Coronavirus Disease 2019â€“Induced Acute Respiratory Distress Syndrome. Frontiers in Medicine, 2021, 8, 637747.	2.6	3
1027	Clinical value of electrical impedance tomography (EIT) in the management of patients with acute respiratory failure: a single centre experience. Physiological Measurement, 2021, 42, 074003.	2.1	18
1028	Ten golden rules for individualized mechanical ventilation in acute respiratory distress syndrome. Journal of Intensive Medicine, 2021, 1, 42-51.	2.1	19
1029	Effect of driving pressure-guided positive end-expiratory pressure (PEEP) titration on postoperative lung atelectasis in adult patients undergoing elective major abdominal surgery: A randomized controlled trial. Surgery, 2021, 170, 277-283.	1.9	15
1030	Personalized mechanical ventilation in acute respiratory distress syndrome. Critical Care, 2021, 25, 250.	5.8	97
1031	Static compliance and driving pressure are associated with ICU mortality in intubated COVID-19 ARDS. Critical Care, 2021, 25, 263.	5.8	19
1032	Precision Medicine and Heterogeneity of Treatment Effect in Therapies for ARDS. Chest, 2021, 160, 1729-1738.	0.8	24
1033	Transpulmonary thermodilution in patients treated with veno-venous extracorporeal membrane oxygenation. Annals of Intensive Care, 2021, 11, 101.	4.6	11
1034	Association of intensity of ventilation with 28-day mortality in COVID-19 patients with acute respiratory failure: insights from the PRoVENT-COVID study. Critical Care, 2021, 25, 283.	5.8	22
1035	Procollagen I and III as Prognostic Markers in Patients Treated with Extracorporeal Membrane Oxygenation: A Prospective Observational Study. Journal of Clinical Medicine, 2021, 10, 3686.	2.4	1
1036	Enzymatic debridement in critically injured burn patients â€” Our experience in the intensive care setting and during burn resuscitation. Burns, 2022, 48, 846-859.	1.9	14
1037	Acute respiratory distress syndrome: focusing on secondary injury. Chinese Medical Journal, 2021, 134, 2017-2024.	2.3	3
1038	The relationship of tidal volume and driving pressure with mortality in hypoxic patients receiving mechanical ventilation. PLoS ONE, 2021, 16, e0255812.	2.5	9
1039	Driving Pressure Is a Risk Factor for ARDS in Mechanically Ventilated Subjects Without ARDS. Respiratory Care, 2021, 66, 1505-1513.	1.6	5

#	Article	IF	Citations
1040	Dynamic relative regional strain visualized by electrical impedance tomography in patients suffering from COVID-19. Journal of Clinical Monitoring and Computing, 2022, 36, 975-985.	1.6	12
1041	The Risk Factors for Weaning Failure of Mechanically Ventilated Patients With COVID-19: A Retrospective Study in National Medical Team Work. Frontiers in Medicine, 2021, 8, 678157.	2.6	5
1042	Acute respiratory distress syndrome. Lancet, The, 2021, 398, 622-637.	13.7	426
1043	Driving Pressure in COVID-19 Acute Respiratory Distress Syndrome Is Associated with Respiratory Distress Duration before Intubation. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 478-481.	5.6	15
1045	Ventilatory Variables and Mechanical Power in Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 303-311.	5.6	148
1046	Stochastic Modelling of Respiratory System Elastance for Mechanically Ventilated Respiratory Failure Patients. Annals of Biomedical Engineering, 2021, 49, 3280-3295.	2.5	15
1047	The Dutch Data Warehouse, a multicenter and full-admission electronic health records database for critically ill COVID-19 patients. Critical Care, 2021, 25, 304.	5.8	22
1048	The Staying Power of Pressure- and Volume-limited Ventilation in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 247-249.	5.6	3
1049	Evidence-based Physiotherapy and Functionality in Adult and Pediatric patients with COVID-19. Journal of Human Growth and Development, 2020, 30, 148-155.	0.6	27
1050	Adherence to Lung-Protective Ventilation in Pediatric Acute Respiratory Distress Syndrome: Principles Versus Explicit Targets*. Critical Care Medicine, 2021, 49, 1836-1839.	0.9	0
1051	Mechanical Power: A New Concept in Mechanical Ventilation. American Journal of the Medical Sciences, 2021, 362, 537-545.	1.1	19
1052	Role of proning and positive end-expiratory pressure in COVID-19. World Journal of Critical Care Medicine, 2021, 10, 183-193.	1.8	2
1054	Novel method of transpulmonary pressure measurement with an air-filled esophageal catheter. Intensive Care Medicine Experimental, 2021, 9, 47.	1.9	3
1055	Adequate Tidal Volume Ventilation to Minimize Ventilator-Induced Lung Injury. Respiratory Care, 2021, 66, 1630-1633.	1.6	0
1056	Intraoperative Management of Adult Patients on Extracorporeal Membrane Oxygenation: an Expert Consensus Statement From the Society of Cardiovascular Anesthesiologistsâ€" Part II, Intraoperative Management and Troubleshooting. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 3513-3527.	1.3	2
1057	Correlation Analysis between Mechanical Power and Lung Ultrasound Score and Their Evaluation of Severity and Prognosis in ARDS Patients. BioMed Research International, 2021, 2021, 1-6.	1.9	4
1058	Electrical impedance tomography as a tool for monitoring mechanical ventilation. An introduction to the technique. Advances in Medical Sciences, 2021, 66, 388-395.	2.1	16
1059	Mechanical Ventilation Strategies in the Critically Ill Burn Patient: A Practical Review for Clinicians. European Journal of Burn Care, 2021, 2, 140-151.	0.8	3

#	Article	IF	Citations
1060	The effect of driving pressures in COVID-19 ARDS: Lower may still be better as in classic ARDS. Respiratory Investigation, 2021, 59, 628-634.	1.8	1
1061	Focused Management of Patients With Severe Acute Brain Injury and ARDS. Chest, 2022, 161, 140-151.	0.8	13
1062	Intra-operative ventilator mechanical power as a predictor of postoperative pulmonary complications in surgical patients. European Journal of Anaesthesiology, 2022, 39, 67-74.	1.7	26
1063	Bedside estimates of dead space using end-tidal CO2 are independently associated with mortality in ARDS. Critical Care, 2021, 25, 333.	5.8	19
1064	Respiratory Mechanics. Anesthesiology Clinics, 2021, 39, 415-440.	1.4	9
1065	Respiratory care for the critical patients with 2019 novel coronavirus. Respiratory Medicine, 2021, 186, 106516.	2.9	15
1066	Mechanical ventilation in COVIDâ€19: A physiological perspective. Experimental Physiology, 2022, 107, 683-693.	2.0	23
1068	A Detailed Review of Critical Care Considerations for the Pregnant Cardiac Patient. Canadian Journal of Cardiology, 2021, 37, 1979-2000.	1.7	2
1069	Commentary: Earlier warning for pulmonary complications: Itâ€™s never too soon to take action. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.8	0
1070	The impact of invasive respiratory support on the development of postoperative atrial fibrillation following cardiac surgery. Journal of Clinical Anesthesia, 2021, 72, 110309.	1.6	1
1071	Acute Hypoxemic Respiratory Failure in Children at the Start of COVID-19 Outbreak: A Nationwide Experience. Journal of Clinical Medicine, 2021, 10, 4301.	2.4	1
1072	Management of COVID-19 Patients in the Emergency Department. Journal of Personalized Medicine, 2021, 11, 961.	2.5	9
1073	Model-based estimation of negative inspiratory driving pressure in patients receiving invasive NAVA mechanical ventilation. Computer Methods and Programs in Biomedicine, 2021, 208, 106300.	4.7	23
1074	Effect of positive end-expiratory pressure on lung injury and haemodynamics during experimental acute respiratory distress syndrome treated with extracorporeal membrane oxygenation and near-apnoeic ventilation. British Journal of Anaesthesia, 2021, 127, 807-814.	3.4	8
1075	Prone Position in COVID-19 and -COVID-19 Acute Respiratory Distress Syndrome: An International Multicenter Observational Comparative Study*. Critical Care Medicine, 2022, 50, 633-643.	0.9	42
1076	Evolution of practice patterns in the management of acute respiratory distress syndrome: A secondary analysis of two successive randomized controlled trials. Journal of Critical Care, 2021, 65, 274-281.	2.2	9
1077	Independent associations in observational studies: Biased beyond confounding. Journal of Critical Care, 2021, 65, 124-125.	2.2	0
1078	COVID-19-associated acute respiratory distress syndrome (CARDS): Current knowledge on pathophysiology and ICU treatment â€“ A narrative review. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2021, 35, 351-368.	4.0	57

#	Article	IF	Citations
1079	A Damaged-Informed Lung Ventilator Model for Ventilator Waveforms. Frontiers in Physiology, 2021, 12, 724046.	2.8	9
1080	Do ventilatory parameters influence outcome in patients with severe acute respiratory infection? Secondary analysis of an international, multicentre14-day inception cohort study. Journal of Critical Care, 2021, 66, 78-85.	2.2	1
1081	Endovascular to Extracorporeal Organ Support for Vascular Trauma and Shock. , 2022, , 158-165.		0
1082	The Pulmonary Circulation and the Right Ventricle in ARDS. , 2022, , 746-762.		0
1083	Right-Ventricle Protective Ventilation. , 2022, , 418-424.		0
1085	Optimizing Mechanical Ventilation in Refractory ARDS. , 2022, , 425-433.		0
1086	The Obese Patient With Acute Respiratory Failure. , 2022, , 545-554.		0
1087	Ventilator-Associated Lung Injury. , 2022, , 406-417.		1
1088	Quais as estratÃ©gias de ventilaÃ§Ã£o pulmonar na sÃndrome do desconforto respiratÃ³rio agudo causada pela COVID-19? Um estudo de revisÃ£o. Research, Society and Development, 2021, 10, e51110112037.	0.1	1
1089	Mechanical power during extracorporeal membrane oxygenation and hospital mortality in patients with acute respiratory distress syndrome. Critical Care, 2021, 25, 13.	5.8	26
1090	Mechanical Power during Veno-Venous Extracorporeal Membrane Oxygenation Initiation: A Pilot-Study. Membranes, 2021, 11, 30.	3.0	5
1091	Hypothesis: A wearable device may help COVID-19 patients improve lung function. Medical Hypotheses, 2021, 146, 110443.	1.5	1
1092	è¡“å¾Œè‚ºå•ä½µç—‡ã‚’é˜²ãŽã‚‹å‘¼å¸çœ¦æ³. The Japanese Journal of SURGICAL METABOLISM and NUTRITION, 2021, 55, 29-33.		0
1093	Driving pressure-guided ventilation versus protective lung ventilation in ARDS patients: A prospective randomized controlled study. Egyptian Journal of Anaesthesia, 2021, 37, 261-267.	0.5	1
1095	Impact of Different Positive End-Expiratory Pressures on Lung Mechanics in the Setting of Moderately Elevated Intra-Abdominal Pressure and Acute Lung Injury in a Porcine Model. Journal of Clinical Medicine, 2021, 10, 306.	2.4	2
1096	Grundlagen der Beatmung. , 2021, , 517-620.		0
1097	Acute respiratory distress syndrome (ARDS). , 2021, , 711-716.		0
1098	Bedside monitoring of lung volume available for gas exchange. Intensive Care Medicine Experimental, 2021, 9, 3.	1.9	5

#	Article	IF	Citations
1099	Pathobiology of Pediatric Acute Respiratory Distress Syndrome. , 2020, , 19-32.		3
1100	Dissipated Energy is a Key Mediator of VILI: Rationale for Using Low Driving Pressures. Annual Update in Intensive Care and Emergency Medicine, 2016, , 311-321.	0.2	10
1101	A proposed lung ultrasound and phenotypic algorithm for the care of COVID-19 patients with acute respiratory failure. Canadian Journal of Anaesthesia, 2020, 67, 1393-1404.	1.6	26
1102	Causal inference in perioperative medicine observational research: part 2, advanced methods. British Journal of Anaesthesia, 2020, 125, 398-405.	3.4	12
1103	Â¿Se han producido cambios en la aplicaciÃ³n de la ventilaciÃ³n mecÃ¡nica en relaciÃ³n con la evidencia cientÃfica? Estudio multicÃ©ntrico en MÃ©xico. Medicina Intensiva, 2020, 44, 333-343.	0.7	1
1104	Individualized Positive End-expiratory Pressure and Regional Gas Exchange in Porcine Lung Injury. Anesthesiology, 2020, 132, 808-824.	2.5	8
1105	Myocardial Function during Low versus Intermediate Tidal Volume Ventilation in Patients without Acute Respiratory Distress Syndrome. Anesthesiology, 2020, 132, 1102-1113.	2.5	9
1106	Does Iso-mechanical Power Lead to Iso-lung Damage?. Anesthesiology, 2020, 132, 1126-1137.	2.5	39
1107	Driving Pressure for Ventilation of Patients with Acute Respiratory Distress Syndrome. Anesthesiology, 2020, 132, 1569-1576.	2.5	10
1108	Intubation and Ventilation amid the COVID-19 Outbreak. Anesthesiology, 2020, 132, 1317-1332.	2.5	483
1109	Prevalence of Complete Airway Closure According to Body Mass Index in Acute Respiratory Distress Syndrome. Anesthesiology, 2020, 133, 867-878.	2.5	34
1110	Coronavirus Disease 2019 and Acute Respiratory Distress Syndrome: Why the Intensivist Is More Important Than Ever. Critical Care Medicine, 2020, 48, 1838-1840.	0.9	2
1111	Preparedness of ICU networks for pandemics. Current Opinion in Critical Care, 2021, 27, 13-19.	3.2	2
1112	Extracorporeal Life Support (ECLS): A Review and Focus on Considerations for COVID-19. Shock, 2021, 55, 742-751.	2.1	3
1114	Effect of mechanical power on intensive care mortality in ARDS patients. Critical Care, 2020, 24, 246.	5.8	73
1115	The impact of high frequency oscillatory ventilation on mortality in paediatric acute respiratory distress syndrome. Critical Care, 2020, 24, 31.	5.8	19
1116	Model-based PEEP titration versus standard practice in mechanical ventilation: a randomised controlled trial. Trials, 2020, 21, 130.	1.6	22
1117	Management of critically ill patients with COVID-19 in ICU: statement from front-line intensive care experts in Wuhan, China. Annals of Intensive Care, 2020, 10, 73.	4.6	151

#	Article	IF	Citations
1118	Advanced organ support (ADVOS) in the critically ill: first clinical experience in patients with multiple organ failure. Annals of Intensive Care, 2020, 10, 96.	4.6	13
1119	Increased effort during partial ventilatory support is not associated with lung damage in experimental acute lung injury. Intensive Care Medicine Experimental, 2019, 7, 60.	1.9	5
1120	Mechanical power at a glance: a simple surrogate for volume-controlled ventilation. Intensive Care Medicine Experimental, 2019, 7, 61.	1.9	65
1121	In vitro characterization of PrismaLung+: a novel ECCO2R device. Intensive Care Medicine Experimental, 2020, 8, 14.	1.9	12
1122	Management of primary blast lung injury: a comparison of airway pressure release versus low tidal volume ventilation. Intensive Care Medicine Experimental, 2020, 8, 26.	1.9	11
1123	Effects of higher PEEP and recruitment manoeuvres on mortality in patients with ARDS: a systematic review, meta-analysis, meta-regression and trial sequential analysis of randomized controlled trials. Intensive Care Medicine Experimental, 2020, 8, 39.	1.9	33
1124	The effects of tidal volume size and driving pressure levels on pulmonary complement activation: an observational study in critically ill patients. Intensive Care Medicine Experimental, 2020, 8, 74.	1.9	2
1126	Lung Ultrasound Findings in the Postanesthesia Care Unit Are Associated With Outcome After Major Surgery: A Prospective Observational Study in a High-Risk Cohort. Anesthesia and Analgesia, 2021, 132, 172-181.	2.2	18
1127	Recent advances in understanding acute respiratory distress syndrome. F1000Research, 2018, 7, 263.	1.6	25
1128	Recent advances in the understanding and management of ARDS. F1000Research, 2019, 8, 1959.	1.6	52
1129	Emerging concepts in ventilation-induced lung injury. F1000Research, 2020, 9, 222.	1.6	22
1130	National survey of outcomes and practices in acute respiratory distress syndrome in Singapore. PLoS ONE, 2017, 12, e0179343.	2.5	7
1131	Physiologic effects of alveolar recruitment and inspiratory pauses during moderately-high-frequency ventilation delivered by a conventional ventilator in a severe lung injury model. PLoS ONE, 2017, 12, e0185769.	2.5	2
1132	Alveolar leak develops by a rich-get-richer process in ventilator-induced lung injury. PLoS ONE, 2018, 13, e0193934.	2.5	26
1135	The Covid-19 pandemic seen from the frontline. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2020, 46, 181-194.	1.5	5
1136	Diagnostics and intensive therapy of Acute Respiratory Distress Syndrome (Clinical guidelines of the) Tj ETQq1 1 0.784314 rgBT /Ove and Reanimatology /Anesteziologiya I Reanimatologiya, 2020, , 5.	0.7	44
1137	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome An Official Clinical Guideline of American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine. Pulmonologiya, 2018, 28, 399-410.	0.8	1
1138	Monitoring and Interpretation of Mechanical Ventilator Waveform in the Neuro-Intensive Care Unit. Journal of Neurocritical Care, 2018, 11, 63-70.	0.8	3

#	Article	IF	Citations
1139	Preventing the development of acute cor pulmonale in patients with acute respiratory distress syndrome: the first step. Annals of Translational Medicine, 2016, 4, 146-146.	1.7	3
1140	Ventilation in acute respiratory distress syndrome: importance of low-tidal volume. Annals of Translational Medicine, 2016, 4, 496-496.	1.7	9
1141	Monitoring of lung function in acute respiratory distress syndrome. Annals of Translational Medicine, 2017, 5, 284-284.	1.7	8
1142	Extracorporeal techniques in acute respiratory distress syndrome. Annals of Translational Medicine, 2017, 5, 296-296.	1.7	11
1143	Prone positioning acute respiratory distress syndrome patients. Annals of Translational Medicine, 2017, 5, 289-289.	1.7	23
1144	Should we titrate peep based on end-expiratory transpulmonary pressure?â€"yes. Annals of Translational Medicine, 2018, 6, 390-390.	1.7	13
1145	Should we titrate positive end-expiratory pressure based on an end-expiratory transpulmonary pressure?. Annals of Translational Medicine, 2018, 6, 391-391.	1.7	7
1146	Respiratory mechanics in patients with acute respiratory distress syndrome. Annals of Translational Medicine, 2018, 6, 382-382.	1.7	30
1147	Ventilator-induced lung injury in children: a reality?. Annals of Translational Medicine, 2019, 7, 506-506.	1.7	12
1148	Clinical trials and future directions in pediatric acute respiratory distress syndrome. Annals of Translational Medicine, 2019, 7, 514-514.	1.7	8
1149	Lessons learned in acute respiratory distress syndrome from the animal laboratory. Annals of Translational Medicine, 2019, 7, 503-503.	1.7	19
1150	Paying attention to patient self-inflicted lung injury. Minerva Anestesiologica, 2019, 85, 940-942.	1.0	8
1151	Quality indicators in intensive care medicine for Germany - third edition 2017. GMS German Medical Science, 2017, 15, Doc10.	2.7	40
1154	Driving pressure guided ventilation. Korean Journal of Anesthesiology, 2020, 73, 194-204.	2.5	21
1155	Right heart failure in acute respiratory distress syndrome: An unappreciated albeit a potential target for intervention in the management of the disease. Indian Journal of Critical Care Medicine, 2015, 19, 606-609.	0.9	13
1156	High frequency oscillatory ventilation in leptospirosis pulmonary hemorrhage syndrome: A case series study. Indian Journal of Critical Care Medicine, 2016, 20, 342-348.	0.9	7
1157	Incidence proportion of acute cor pulmonale in patients with acute respiratory distress syndrome subjected to lung protective ventilation: A systematic review and meta-analysis. Indian Journal of Critical Care Medicine, 2017, 21, 364-375.	0.9	7
1158	Mathematics of ventilator-induced lung injury. Indian Journal of Critical Care Medicine, 2017, 21, 521-524.	0.9	14

#	Article	IF	Citations
1159	Optimizing respiratory care in coronavirus disease-2019: A comprehensive, protocolized, evidence-based, algorithmic approach. International Journal of Critical Illness and Injury Science, 2020, 10, 56.	0.6	7
1160	Driving Pressure: Clinical Applications and Implications in the Intensive Care Units. Indian Journal of Respiratory Care, 2022, 7, 62-66.	0.1	8
1161	Strategies to prevent ventilator-associated lung injury in critically Ill patients. Indian Journal of Respiratory Care, 2018, 7, 4.	0.1	4
1162	Extracorporeal Membrane Oxygenation for Severe Respiratory Failure During Respiratory Epidemics and Pandemics: A Narrative Review. Annals of the Academy of Medicine, Singapore, 2020, 49, 199-214.	0.4	6
1163	Optimum PEEP During Anesthesia and in Intensive Care is a Compromise but is Better than Nothing. Turkish Journal of Anaesthesiology and Reanimation, 2016, 44, 161-162.	0.8	7
1164	Respiratory failure in the hematopoietic stem cell transplant recipient. World Journal of Critical Care Medicine, 2018, 7, 62-72.	1.8	16
1165	Independent lung ventilation: Implementation strategies and review of literature. World Journal of Critical Care Medicine, 2019, 8, 36-58.	1.8	12
1166	Management of mechanical ventilation in patients with hospital-acquired pneumonia: A retrospective, observational study. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2018, 162, 127-133.	0.6	1
1167	Recruitment maneuvers for acute respiratory distress syndrome: the panorama in 2016. Revista Brasileira De Terapia Intensiva, 2016, 28, 104-6.	0.3	4
1168	Recommendations from the Sociedade Portuguesa de Cuidados Intensivos and Infection & Sepsis Group for intensive care approach to COVID-19. Revista Brasileira De Terapia Intensiva, 2020, 32, 2-10.	0.3	12
1169	Mechanical forces and metabolic changes cooperate to drive cellular memory and endothelial phenotypes. Current Topics in Membranes, 2021, 87, 199-253.	0.9	9
1170	Monitoring Plans and Weaning Protocols for Critically Ill Patients. , 2021, , 219-236.		0
1171	Research Needs for Inpatient Management of Severe Alcohol Withdrawal Syndrome: An Official American Thoracic Society Research Statement. American Journal of Respiratory and Critical Care Medicine, 2021, 204, e61-e87.	5.6	12
1172	Twenty-four-hour mechanical power variation rate is associated with mortality among critically ill patients with acute respiratory failure: a retrospective cohort study. BMC Pulmonary Medicine, 2021, 21, 331.	2.0	3
1173	Phenotyping in acute respiratory distress syndrome: state of the art and clinical implications. Current Opinion in Critical Care, 2022, 28, 1-8.	3.2	18
1174	The Association between Mechanical Power and Mortality in Patients with Pneumonia Using Pressure-Targeted Ventilation. Diagnostics, 2021, 11, 1862.	2.6	6
1175	Perfil clÃnico e assistencial de duas UTIs de um Hospital UniversitÃ¡rio atravÃ©s da anÃ¡lise de indicadores de um serviÃ§o de fisioterapia. Research, Society and Development, 2021, 10, e344101321365.	0.1	0
1176	Driving Pressure and Mechanical Power: The Return of Physiology in Pediatric Mechanical Ventilation*. Pediatric Critical Care Medicine, 2021, 22, 927-929.	0.5	8

#	Article	IF	Citations
1177	ARDS â€“ Paradigms Lost and Found. American Journal of the Medical Sciences, 2021, 362, 535-536.	1.1	0
1178	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. Critical Care Medicine, 2021, 49, e1063-e1143.	0.9	927
1179	Driving Pressure Is Associated With Outcome in Pediatric Acute Respiratory Failure. Pediatric Critical Care Medicine, 2022, 23, e136-e144.	0.5	21
1180	Complications of Critical COVID-19. Chest, 2022, 161, 989-998.	0.8	14
1181	Early Alterations of Lymphocyte Subsets in Acute Respiratory Distress Syndrome Caused by Acinetobacter baumannii Pneumonia: A Prospective Observational Study. Frontiers in Medicine, 2021, 8, 762724.	2.6	2
1182	Developing a Lung Model in the Age of COVID-19: A Digital Image Correlation and Inverse Finite Element Analysis Framework. Frontiers in Bioengineering and Biotechnology, 2021, 9, 684778.	4.1	21
1183	Lung Response to a Higher Positive End-Expiratory Pressure in Mechanically Ventilated Patients With COVID-19. Chest, 2022, 161, 979-988.	0.8	30
1184	The Severe ARDS Generating Evidence (SAGE) Study. Chest, 2021, 160, 1167-1168.	0.8	1
1185	Extracorporeal Membrane Oxygenation for COVID 2019-Acute Respiratory Distress Syndrome: Comparison between First and Second Waves (Stage 2). Journal of Clinical Medicine, 2021, 10, 4839.	2.4	10
1186	Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. Intensive Care Medicine, 2021, 47, 1181-1247.	8.2	1,503
1187	Maschinelle Beatmung und Weaning. , 2015, , 1-32.		0
1188	Permissive hypoxemia: another strategy. Journal of the Japanese Society of Intensive Care Medicine, 2016, 23, 113-116.	0.0	5
1189	Future of Critical Care Medicine. , 2016, , 125-146.		0
1190	Introduction: American Thoracic Society International Meeting 2016. Journal of Thoracic Disease, 2016, 8, S528-S529.	1.4	0
1191	Noninvasive ventilatory management of the acute respiratory distress syndrome: a new era or just another tease!. Annals of Translational Medicine, 2016, 4, 350-350.	1.7	0
1192	StrategieÃ«n en technieken bij het acute respiratory distress syndrome. , 2017, , 107-121.		0
1193	Pneumologie. , 2017, , 371-425.		0
1194	Treatment of Acute Respiratory Distress Syndrome in the Poisoned Patient. , 2017, , 359-383.		0

#	Article	IF	Citations
1195	Management of Acute Respiratory Distress Syndrome. , 2017, , 189-197.		0
1196	Medizinische Grundlagen. , 2017, , 5-83.		0
1197	Mechanical Ventilation in Traumatic Brain Injury. , 2017, , 229-237.		0
1198	Lungenphysiologie und Beatmung in AllgemeinanÃsthesie. , 2017, , 1-31.		0
1199	It is impossible to know the way if we do not know where to start: tidal volume, driving pressure, and positive end-expiratory pressure. Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira, 2017, 63, 1-3.	0.7	0
1200	Some Considerations Regarding the Pro and Con articles between Drs. Hedenstierna and Pelosi on Intraoperative Ventilation and Pulmonary Outcomes. Turkish Journal of Anaesthesiology and Reanimation, 2017, 45, 59-62.	0.8	2
1201	PRONE VENTILATION FOR SEVERE ARDS IN A PERIOPERATIVE CAESAREAN PATIENT. Journal of Evolution of Medical and Dental Sciences, 2017, 6, 6791-6793.	0.1	0
1202	Traumatismes thoraciques non chirurgicaux. Medecine Intensive Reanimation, 2018, 27, 57-66.	0.0	0
1203	Acute Respiratory Distress Syndrome (ARDS). , 2018, , 209-217.		0
1204	Protective ventilation in abdominal surgery. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2018, , 25.	0.7	2
1205	Characteristics and prognostic factors of previously healthy children who required respiratory support in a pediatric intensive care unit. Allergy Asthma & Respiratory Disease, 2018, 6, 103.	0.2	0
1206	Update on management of acute respiratory distress syndrome. AIMS Medical Science, 2018, 5, 145-161.	0.4	0
1208	Monitorage hÃ©modynamique dans le SDRA : que savoir en 2018. Medecine Intensive Reanimation, 2018, 27, 161-171.	0.0	0
1209	Oxygenation Index in the First 24 Hours after the Diagnosis of Acute Respiratory Distress Syndrome as a Surrogate Metric for Risk Stratification in Children. Acute and Critical Care, 2018, 33, 222-229.	1.4	4
1210	Noninvasive Oxygen Therapies in Oncologic Patients. , 2019, , 1-23.		0
1211	Supportive therapy and rescue strategies in hypoxaemic failure. , 2019, , 171-176.		0
1212	Controlled modes. , 2019, , 43-52.		0
1213	Analysis of driving pressure using ventilator management database in ARDS. Iryou Kikigaku (the) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	0

#	Article	IF	Citations
1214	Invasive ventilation in ARDS. , 2019, , 81-87.		0
1215	Extracorporeal Carbon Dioxide Removal. , 2019, , 755-759.e1.		0
1216	Lungenphysiologie und Beatmung in AllgemeinanÃsthesie. Springer Reference Medizin, 2019, , 741-771.	0.0	0
1217	Recruitment manoeuvres. , 2019, , 185-194.		1
1218	Effects of invasive ventilation on the lungs. , 2019, , 16-25.		0
1219	Personalized Airway Pressure Release Ventilation for acute respiratory distress syndrome: pathophysiological rationale, clinical trials and application prospects. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2019, , 52.	0.7	0
1220	Getting the basics right: mechanical ventilation in specific diseases. , 2019, , 81-87.		0
1222	Getting the basics right: artificial airway and ventilator modes. , 2019, , 33-42.		0
1223	Maschinelle Beatmung und Weaning. Springer Reference Medizin, 2019, , 1975-2006.	0.0	0
1225	Pulmonale Ersatzverfahren. , 2019, , 99-122.		0
1226	Driving pressure as a component of respiratory monitoring of obese patients in laparoscopic surgeries. Emergency Medicine, 2019, .	0.2	0
1227	Mechanical Ventilation: Advanced Modes. , 2019, , 17-25.		0
1228	Pediatric Acute Respiratory Distress Syndrome in Immunocompromised Patients. , 2020, , 181-192.		0
1229	Conventional Mechanical Ventilation in Pediatric Acute Respiratory Distress Syndrome. , 2020, , 63-71.		0
1230	The effectiveness of respiratory support and n-acetylcysteine in patients with acute respiratory failure on the background of polytrauma. Problems of Uninterrupted Medical Training and Science, 2019, 2019, 21-30.	0.1	0
1231	Noninvasive Oxygen Therapies in Oncologic Patients. , 2020, , 477-498.		0
1232	Acute and Chronic Respiratory Failure in Cancer Patients. , 2020, , 445-475.		2
1233	Plateau Pressure during Pressure Control Ventilation. AboutOpen, 2019, 6, 76-77.	0.2	5

#	Article	IF	Citations
1234	VentilaÃ§Ã£o mecÃ¢nica protetora: revisÃ£o de ensaios clÃnicos randomizados. HU Revista, 2019, 45, 334-340.	0.3	1
1235	Acute Respiratory Distress Syndrome in a Patient With Suspected Influenza: A Case Report. The Journal of Qazvin University of Medical Sciences, 0, , 364-371.	0.1	0
1236	Risiken und Nebenwirkungen der invasiven Beatmung. , 2020, , 251-262.		0
1238	Disease specific thresholds for determining extubation readiness: The optimal negative inspiratory force for chronic obstructive pulmonary disease patients. International Journal of Critical Illness and Injury Science, 2020, 10, 99.	0.6	1
1239	Enfoque y manejo clÃnico de pacientes con enfermedad por SARS COV2 (Covid -19) en unidad de cuidado intensivo. Revista MÃ©dica Sanitas, 2020, 23, 14-33.	0.3	2
1240	Respiratory Mechanics and Gas Exchange in Thoracic Surgery: Changes in Classical Knowledge in Respiratory Physiology. , 2020, , 125-136.		0
1241	A pandemia da COVID-19 trouxe desafios e novas possibilidades para a Fisioterapia no Brasil: estamos preparados?. Revista Pesquisa Em Fisioterapia, 2020, 10, 142-145.	0.1	2
1242	Impact of a multidisciplinary checklist on the duration of invasive mechanical ventilation and length of ICU stay. Jornal Brasileiro De Pneumologia, 2020, 46, e20180261-e20180261.	0.7	9
1243	Protective ventilation from ICU to operating room: state of art and new horizons. Korean Journal of Anesthesiology, 2020, 73, 179-193.	2.5	4
1245	Overview of respiratory care for Covid-19 patients. Sohag Medical Journal (SMJ), 2020, 24, 23-30.	0.1	0
1246	Intraoperative Anesthetic Management of the Thoracic Patient. Thoracic Surgery Clinics, 2020, 30, 279-291.	1.0	5
1247	Mechanical Ventilation during Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome: A Narrative Review. Journal of Clinical Medicine, 2021, 10, 4953.	2.4	8
1248	Perioperative Pulmonary Atelectasis: Part II. Clinical Implications. Anesthesiology, 2022, 136, 206-236.	2.5	47
1250	Venovenous Extracorporeal Membrane Oxygenation in Obese Patients. JTCVS Techniques, 2021, , .	0.4	8
1251	COVID-19 ARDS: Points to Be Considered in Mechanical Ventilation and Weaning. Journal of Personalized Medicine, 2021, 11, 1109.	2.5	10
1252	Health Technology Assessment of Intensive Care Ventilators for Pediatric Patients. Children, 2021, 8, 986.	1.5	1
1253	Lung Transplantation: Justification for aÂParadigm Change. , 2020, , 277-297.		0
1254	The critically ill patient with COVID-19 and ARDS: Providing rational solutions to new and old challenges. Caribbean Medical Journal, 0, , .	0.1	0

#	Article	IF	Citations
1255	The predictive validity for mortality of the driving pressure and the mechanical power of ventilation. Intensive Care Medicine Experimental, 2020, 8, 60.	1.9	5
1256	A narrative review of non-pharmacological management of SARS-CoV-2 respiratory failure: a call for an evidence based approach. Annals of Translational Medicine, 2020, 8, 1599-1599.	1.7	1
1257	Management of One-Lung Ventilation: Protective Lung Ventilation. , 2022, , 279-292.		0
1258	Video-Assisted Thoracoscopy: Multiportal Uniportal. , 2022, , 438-467.		0
1259	Pulmonary Pathophysiology and Lung Mechanics in Anesthesiology. , 2022, , 66-87.		0
1260	Intraoperative Lung Injury During One-Lung Ventilation: Causes and Prevention. , 2022, , 260-278.		0
1261	Pathophysiology of Perioperative Lung Injury. , 2022, , 249-259.		0
1262	Postoperative Care of theÂThoracicÂPatient. , 2022, , 353-375.		0
1263	A validation study of a continuous automatic measurement of the mechanical power in ARDS patients. Journal of Critical Care, 2022, 67, 21-25.	2.2	4
1264	Impact of a respiratory ICU rotation on resident knowledge and confidence in managing mechanical ventilation. Jornal Brasileiro De Pneumologia, 2020, 46, e20190108-e20190108.	0.7	3
1265	Virtual Mechanical Ventilation Protocol â€“ A Model-based Method To determine MV Settings. IFAC-PapersOnLine, 2020, 53, 16119-16124.	0.9	7
1266	Safe Mechanical Ventilation Treatment Settings for Respiratory Failure Patients. IFAC-PapersOnLine, 2021, 54, 115-120.	0.9	1
1267	Minimal Lung Mechanics Basis-functions for a Mechanical Ventilation Virtual Patient. IFAC-PapersOnLine, 2021, 54, 127-132.	0.9	3
1268	ActualizaciÃ³n en el tratamiento del sÃndrome de distrÃ©s respiratorio agudo grave pediÃ¡trico. Acta Colombiana De Cuidado Intensivo, 2019, 19, 200-211.	0.2	0
1270	Management of Acute Respiratory Distress Syndrome. , 2020, , 161-168.		0
1272	Extracorporeal Membrane Oxygenation During Pregnancy and the Peripartum Period. , 2020, , 183-197.		0
1273	Grundlagen der Beatmung. , 2020, , 75-88.		0
1274	Changes in Ventilation Strategies During Thoracic Surgery: Do We Have to Focus â€œOnlyâ€•in Oxygenation?. , 2020, , 153-164.		0

#	Article	IF	Citations
1275	General Aspects of Thoracic Anesthesia. , 2020, , 31-49.		0
1276	Atemwegsmanagement und Vorgehen bei respiratorischer Insuffizienz. Springer Reference Medizin, 2020, , 1425-1436.	0.0	0
1277	Monitoring Patient Respiratory Effort During Mechanical Ventilation: Lung and Diaphragm-Protective Ventilation. Annual Update in Intensive Care and Emergency Medicine, 2020, , 21-35.	0.2	4
1278	Precision in Mechanical Ventilation. Respiratory Medicine, 2020, , 355-367.	0.1	0
1279	Extracorporeal Circulation in Acute Respiratory Failure: High Flow Versus Low Flow. , 2020, , 63-81.		0
1280	Beatmung neurologischer Patienten auf der Intensivstation. , 2020, , 183-192.		0
1281	Assessment of VILI Risk During Spontaneous Breathing and Assisted Mechanical Ventilation. Annual Update in Intensive Care and Emergency Medicine, 2020, , 81-88.	0.2	1
1282	ARDS Subphenotypes: Understanding a Heterogeneous Syndrome. Annual Update in Intensive Care and Emergency Medicine, 2020, , 67-79.	0.2	3
1284	Automated Positive End-Expiratory Pressure Titration during Mechanical Ventilation. IFAC-PapersOnLine, 2021, 54, 412-417.	0.9	1
1285	Respiratory failure in children with oncohematological and immunological diseases: methods of treatment. Pediatric Hematology/Oncology and Immunopathology, 2020, 19, 122-130.	0.3	0
1287	Personalized Critical Care Medicine. , 2021, , 207-230.		0
1288	Predictors of extracorporeal membrane oxygenation efficacy in patients with acute respiratory failure. TransplantologiÃ¢, 2020, 12, 220-230.	0.4	3
1291	Mesenteric Artery Thrombosis, Microvascular Intestinal Endothelitiis, and Guillain-BarrÃ¨ Syndrome in the Same SARS-CoV-2 Patient. Cureus, 2020, 12, e11326.	0.5	2
1292	A Ventilator-associated Pneumonia Prediction Model in Patients With Acute Respiratory Distress Syndrome. Clinical Infectious Diseases, 2020, 71, S400-S408.	5.8	7
1293	Will Not Breathing on Extracorporeal Membrane Oxygenation Help One Survive Acute Respiratory Distress Syndrome?*. Critical Care Medicine, 2020, 48, 1901-1904.	0.9	2
1294	Adaptive supportive ventilation in a child with coronavirus pneumonia and diabetes mellitus. Rossiyskiy Vestnik Perinatologii I Pediatrii, 2020, 65, 66-72.	0.3	2
1296	Direction and Magnitude of Change in Plateau From Peak Pressure During Inspiratory Holds Can Identify the Degree of Spontaneous Effort and Elastic Workload in Ventilated Patients. Critical Care Medicine, 2021, 49, 517-526.	0.9	16
1297	Improve survival from prolonged mechanical ventilation: beginning with first step. Journal of Thoracic Disease, 2015, 7, 1076-9.	1.4	1

#	Article	IF	Citations
1298	One more brick in the wall of protective ventilation in surgical patients. Annals of Translational Medicine, 2015, 3, 339.	1.7	0
1299	Intraoperative mechanical ventilation in patients with non-injured lungs: time to talk about tailored protective ventilation?. Annals of Translational Medicine, 2016, 4, 17.	1.7	3
1300	Celastrol attenuates ventilator induced lung injury in mouse through inhibition of MAPK pathway. International Journal of Clinical and Experimental Pathology, 2017, 10, 9302-9309.	0.5	3
1301	The quality of acute intensive care and the incidence of critical events have an impact on health-related quality of life in survivors of the acute respiratory distress syndrome - a nationwide prospective multicenter observational study. GMS German Medical Science, 2020, 18, Doc01.	2.7	6
1302	Pulmonary Hypertension in Intensive Care Units: An Updated Review. Tanaffos, 2019, 18, 180-207.	0.5	7
1304	Prediction and estimation of pulmonary response and elastance evolution for volume-controlled and pressure-controlled ventilation. Biomedical Signal Processing and Control, 2022, 72, 103367.	5.7	14
1305	Mechanical power normalized to predicted body weight is associated with mortality in critically ill patients: a cohort study. BMC Anesthesiology, 2021, 21, 278.	1.8	3
1306	Lower Driving Pressure and Neuromuscular Blocker Use Are Associated With Decreased Mortality in Patients With COVID-19 ARDS. Respiratory Care, 2022, 67, 216-226.	1.6	8
1307	Over-distension prediction via hysteresis loop analysis and patient-specific basis functions in a virtual patient model. Computers in Biology and Medicine, 2022, 141, 105022.	7.0	13
1308	Intraoperative Management of Adult Patients on Extracorporeal Membrane Oxygenation: An Expert Consensus Statement From the Society of Cardiovascular Anesthesiologistsâ€”Part II, Intraoperative Management and Troubleshooting. Anesthesia and Analgesia, 2021, 133, 1478-1493.	2.2	9
1310	Effects of individualized positive end-expiratory pressure combined with recruitment maneuver on intraoperative ventilation during abdominal surgery: a systematic review and network meta-analysis of randomized controlled trials. Journal of Anesthesia, 2022, 36, 303-315.	1.7	6
1311	Mechanical Power Correlates With Lung Inflammation Assessed by Positron-Emission Tomography in Experimental Acute Lung Injury in Pigs. Frontiers in Physiology, 2021, 12, 717266.	2.8	8
1312	Specific Circumstances: Acute Respiratory Distress Syndrome (ARDS). , 2022, , 59-73.		0
1313	Effect of INTELLiVENT-ASV versus Conventional Ventilation on Ventilation Intensity in Patients with COVID-19 ARDSâ€”An Observational Study. Journal of Clinical Medicine, 2021, 10, 5409.	2.4	11
1314	Computationally efficient identification of continuous-time Lurâ€™e-type systems with stability guarantees. Automatica, 2022, 136, 110012.	5.0	6
1315	Association of Timeâ€“Varying Intensity of Ventilation With Mortality in Patients With COVIDâ˜19 ARDS: Secondary Analysis of the PRoVENTâ€“COVID Study. Frontiers in Medicine, 2021, 8, 725265.	2.6	5
1316	Promises and challenges of personalized medicine to guide ARDS therapy. Critical Care, 2021, 25, 404.	5.8	35
1317	Relationship between Driving Pressure and Mortality in Ventilated Patients with Heart Failure: A Cohort Study. Canadian Respiratory Journal, 2021, 2021, 1-8.	1.6	3

#	Article	IF	Citations
1318	Protective ventilation in patients with acute respiratory distress syndrome related to COVID-19: always, sometimes or never?. Current Opinion in Critical Care, 2022, 28, 51-56.	3.2	6
1319	OLA strategy for ARDS: Its effect on mortality depends on achieved recruitment (PaO2/FiO2) and mechanical power. Systematic review and meta-analysis with meta-regression. Medicina Intensiva (English Edition), 2021, 45, 516-531.	0.2	2
1321	Treatment of critically ill COVID-19 patients: Practical guidelines. Medicinski Podmladak, 2021, 72, 49-64.	0.0	0
1322	Non-invasive mechanical ventilation with average volume-assured pressure support. Results according to the aetiology of acute respiratory failure. Anaesthesiology Intensive Therapy, 2021, 53, 403-410.	1.0	1
1323	The correlation of respiratory system compliance and mortality in COVID-19 acute respiratory distress syndrome: do phenotypes really exist?. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 67-74.	0.3	1
1324	Prehospital Mechanical Ventilation: An NAEMSP Position Statement and Resource Document. Prehospital Emergency Care, 2022, 26, 88-95.	1.8	3
1325	Evidence-Based Mechanical Ventilatory Strategies in ARDS. Journal of Clinical Medicine, 2022, 11, 319.	2.4	7
1326	Guidelines for Perioperative Care in Bariatric Surgery: Enhanced Recovery After Surgery (ERAS) Society Recommendations: A 2021 Update. World Journal of Surgery, 2022, 46, 729-751.	1.6	132
1327	Protocol conception for safe selection of mechanical ventilation settings for respiratory failure Patients. Computer Methods and Programs in Biomedicine, 2022, 214, 106577.	4.7	7
1328	Paediatric acute respiratory distress syndrome. , 2020, , 67-78.		0
1330	NOVÃ•TECHNOLOGIE V INTENZIVNÃ•PÃ‰ÄŒI POMÃHÃ•VZDÃŁENÄš SLEDOVAT PACIENTY NEJEN S COVID-19. Medsoft, 2021, 33, 84-87.	0.1	0
1331	Effects of Prone Positioning on Respiratory Mechanics and Oxygenation in Critically Ill Patients With COVID-19 Requiring Venovenous Extracorporeal Membrane Oxygenation. Frontiers in Medicine, 2021, 8, 810393.	2.6	10
1332	Recommendations for Mechanical Ventilation During General Anesthesia for Trauma Surgery. Current Anesthesiology Reports, 0, , 1.	2.0	0
1333	Imaging Pulmonary Blood Vessels and Ventilation-Perfusion Mismatch in COVID-19. Molecular Imaging and Biology, 2022, 24, 526-536.	2.6	7
1334	Emerging Trends and Hot Spots of Electrical Impedance Tomography Applications in Clinical Lung Monitoring. Frontiers in Medicine, 2021, 8, 813640.	2.6	8
1335	Individualized positive end-expiratory pressure guided by end-expiratory lung volume in early acute respiratory distress syndrome: study protocol for the multicenter, randomized IPERPEEP trial. Trials, 2022, 23, 63.	1.6	1
1338	Airway Driving Pressure Predicts Postoperative Pulmonary Complications Following Major Abdominal Surgery. SSRN Electronic Journal, 0, , .	0.4	0
1339	Acute Respiratory Distress Syndrome in Pregnancy. Indian Journal of Critical Care Medicine, 2022, 25, S241-S247.	0.9	8

#	Article	IF	Citations
1340	Estimation of the Mechanical Power of Ventilation at the Bedside to Lessen Ventilator-Induced Lung Injury. Respiratory Care, 2022, 67, 277-279.	1.6	1
1341	Decision support system to evaluate ventilation in the acute respiratory distress syndrome (DeVENT) Tj ETQq1 1 0.784314 rgBT /Over	1.6	4
1342	Agreement Between Peak Inspiratory Pressure in Decelerating-Flow Ventilation and Plateau Pressure in Square-Flow Ventilation in Pediatric Acute Respiratory Distress Syndrome. Pediatric Critical Care Medicine, 2022, Publish Ahead of Print, .	0.5	7
1343	Risks and Benefits of Ultraâ€“Lung-Protective Invasive Mechanical Ventilation Strategies with a Focus on Extracorporeal Support. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 873-882.	5.6	20
1345	Extracorporeal Membrane Oxygenation for Pregnant and Postpartum Patients. Anesthesia and Analgesia, 2022, 135, 277-289.	2.2	13
1346	The physiological foundations of critical care medicine: the contribution of Joseph Milic-Emili, a physiologist â€œby hook or by crookâ€• Critical Care, 2022, 26, 38.	5.8	0
1347	Sequential lateral positioning as a new lung recruitment maneuver: an exploratory study in early mechanically ventilated Covid-19 ARDS patients. Annals of Intensive Care, 2022, 12, 13.	4.6	14
1348	Setting and Titrating Positive End-Expiratory Pressure. Chest, 2022, 161, 1566-1575.	0.8	10
1349	Static and Dynamic Measurements of Compliance and Driving Pressure: A Pilot Study. Frontiers in Physiology, 2022, 13, 773010.	2.8	7
1350	Stochastic integrated model-based protocol for volume-controlled ventilation setting. BioMedical Engineering OnLine, 2022, 21, 13.	2.7	0
1351	Development of a repeated-measures predictive model and clinical risk score for mortality in ventilated COVID-19 patients. Canadian Journal of Anaesthesia, 2022, 69, 343-352.	1.6	4
1352	FG-4497: a new target for acute respiratory distress syndrome?. Expert Review of Respiratory Medicine, 2015, 9, 405-409.	2.5	5
1353	Severe community-acquired pneumonia in adults. Clinical recommendations from Russian Federation of Anaesthesiologists and Reanimatologists. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2022, , 6.	0.7	10
1356	Ventilator-Induced Lung Injury and Lung Protective Ventilation. , 2022, , 165-176.		0
1359	Acute Hypoxaemic Respiratory Failure and Acute Respiratory Distress Syndrome. , 2022, , 149-163.		2
1362	PEEP Setting in ARDS. , 2022, , 187-197.		1
1364	Assessment of Regional Ventilation During Recruitment Maneuver by Electrical Impedance Tomography in Dogs. Frontiers in Veterinary Science, 2021, 8, 815048.	2.2	8
1365	Hospital Variation in Management and Outcomes of Acute Respiratory Distress Syndrome Due to COVID-19. , 2022, 10, e0638.		9

#	Article	IF	Citations
1367	Tidal Volumeâ€“Dependent Activation of the Renin-Angiotensin System in Experimental Ventilator-Induced Lung Injury*. Critical Care Medicine, 2022, 50, e696-e706.	0.9	7
1368	Repeated endo-tracheal tube disconnection generates pulmonary edema in a model of volume overload: an experimental study. Critical Care, 2022, 26, 47.	5.8	4
1369	Intubation Timing in COVID-19 Based on ROX Index and Association With Patient Outcomes. Respiratory Care, 2022, 67, 1291-1299.	1.6	3
1370	Relationship between Mechanical Ventilation and Histological Fibrosis in Patients with Acute Respiratory Distress Syndrome Undergoing Open Lung Biopsy. Journal of Personalized Medicine, 2022, 12, 474.	2.5	3
1371	Effects of different positive end-expiratory pressure titration strategies during prone positioning in patients with acute respiratory distress syndrome: a prospective interventional study. Critical Care, 2022, 26, 82.	5.8	16
1372	NghiÃªn cá»©u má»™t sá»‘ yáº¿u tá»‘ áº£nh hÆ°á»Ÿng Ä‘áº¿n káº¿t quáº£ Ä‘iá»u trá»‹ cá»§a bá»‡nh nhÃ¢n bá»‹ng náº·ng cÃ³ thiáº¿n ch		
1373	Potential for the lung recruitment and the risk of lung overdistension during 21Âdays of mechanical ventilation in patients withÂ COVID-19 after noninvasive ventilation failure: the COVID-VENT observational trial. BMC Anesthesiology, 2022, 22, 59.	1.8	3
1374	Mortality and Pulmonary Embolism in Acute Respiratory Distress Syndrome From COVID-19 vs. Non-COVID-19. Frontiers in Medicine, 2022, 9, 800241.	2.6	9
1375	Intravascular Gas Exchange: Physiology, Literature Review, and Current Efforts. Respiratory Care, 2022, 67, 480-493.	1.6	1
1376	Peak Inspiratory Pressure to Estimate Plateau Pressure in Pressure Controlled Modes: Be Aware of Age and Disease*. Pediatric Critical Care Medicine, 2022, 23, 225-226.	0.5	3
1377	Management of Respiratory Failure. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 572-580.	4.5	2
1378	Intraoperative Protective Mechanical Ventilation in Dogs: A Randomized Clinical Trial. Frontiers in Veterinary Science, 2022, 9, 842613.	2.2	2
1379	High-altitude is associated with better short-term survival in critically ill COVID-19 patients admitted to the ICU. PLoS ONE, 2022, 17, e0262423.	2.5	16
1380	Influence of the end inspiratory pause on respiratory mechanics and tidal gas distribution of surgical patients ventilated under a tailored open lung approach strategy: A randomised, crossover trial. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101038.	1.4	2
1381	Lung and diaphragm protective ventilation: a synthesis of recent data. Expert Review of Respiratory Medicine, 2022, , 1-16.	2.5	4
1382	Driving pressure versus right ventricular echocardiography parameters as a predictive for acute respiratory distress syndrome outcome. International Journal of Health Sciences, 0, , 498-513.	0.1	0
1383	The association of modifiable mechanical ventilation settings, blood gas changes and survival on extracorporeal membrane oxygenation for cardiac arrest. Resuscitation, 2022, 174, 53-61.	3.0	25
1384	Predictors of mortality in trauma patients with acute respiratory distress syndrome receiving extracorporeal membrane oxygenation. Surgery in Practice and Science, 2022, 9, 100071.	0.4	0

#	Article	IF	Citations
1385	Clinical characteristics, physiological features, and outcomes associated with hypercapnia in patients with acute hypoxemic respiratory failure due to COVIDâ€“19---insights from the PRoVENTâ€“COVID study. Journal of Critical Care, 2022, 69, 154022.	2.2	9
1386	Respiratory Management in Intensive Care Can Be Applied during Perioperative Anesthesia. The Journal of Japan Society for Clinical Anesthesia, 2021, 41, 590-597.	0.0	0
1387	Effects of end-expiratory lung volume versus PaO₂ guided PEEP determination on respiratory mechanics and oxygenation in moderate to severe ARDS. Experimental Lung Research, 2022, 48, 12-22.	1.2	0
1388	Predictors for extubation failure in COVID-19 patients using a machine learning approach. Critical Care, 2021, 25, 448.	5.8	15
1389	Positive End-Expiratory Pressure and Respiratory Rate Modify the Association of Mechanical Power and Driving Pressure With Mortality Among Patients With Acute Respiratory Distress Syndrome. , 2021, 3, e0583.		6
1390	MECHANICAL VENTILATION FOR INTERSTITIAL LUNG DISEASE BY SYSTEMIC SCLEROSIS WITH CREST SYNDROME. PRESENTATION OF A CLINICAL CASE. , 2021, , 80-81.		0
1391	Mechanical Ventilation in ARDS: Quo Vadis?. Respiratory Care, 2022, 67, 730-749.	1.6	5
1392	Superimposed high-frequency jet ventilation in children with oncohematological diseases and acute respiratory distress syndrome. Russian Journal of Pediatric Surgery Anesthesia and Intensive Care, 2021, 11, 485-500.	0.1	0
1393	Postoperative Management of Lung Transplant Recipients in the Intensive Care Unit. Anesthesiology, 2022, 136, 482-499.	2.5	15
1394	Intraoperative Ventilatory Pressures During Robotic Assisted vs Open Radical Cystectomy. Urology, 2021, , .	1.0	1
1395	Pressure support ventilation in intensive care patients receiving prolonged invasive ventilation. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2021, 23, 394-402.	0.1	1
1396	COVID-19: management in the ICU. , 2021, , 124-143.		2
1397	Maintenance of low driving pressure in patients with early acute respiratory distress syndrome significantly affects outcomes. Respiratory Research, 2021, 22, 313.	3.6	1
1398	Understanding pediatric ventilation in the operative setting. Part II: Setting perioperative ventilation. Paediatric Anaesthesia, 2022, 32, 247-254.	1.1	2
1399	Effects of an open lung ventilatory strategy on lung gas exchange during laparoscopic surgery. Anaesthesia and Intensive Care, 2021, , 0310057X2110476.	0.7	0
1400	Pulmonary Interstitial Matrix and Lung Fluid Balance From Normal to the Acutely Injured Lung. Frontiers in Physiology, 2021, 12, 781874.	2.8	24
1402	Positive end-expiratory pressure in COVID-19 acute respiratory distress syndrome: the heterogeneous effects. Critical Care, 2021, 25, 431.	5.8	17
1403	Phrenic Nerve Block and Respiratory Effort in Pigs and Critically Ill Patients with Acute Lung Injury. Anesthesiology, 2022, 136, 763-778.	2.5	0

#	Article	IF	Citations
1404	Assessment of Heterogeneity in Lung Structure and Function During Mechanical Ventilation: A Review of Methodologies. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2022, , .	0.5	2
1405	Lung-Protective Ventilation Attenuates Mechanical Injury While Hypercapnia Attenuates Biological Injury in a Rat Model of Ventilator-Associated Lung Injury. Frontiers in Physiology, 2022, 13, 814968.	2.8	2
1407	Reduced survival in patients requiring chest tubes with COVID-19 acute respiratory distress syndrome. JTCVS Open, 2022, 10, 471-477.	0.5	3
1408	Incidence, clinical characteristics and outcome of barotrauma in critically ill patients with COVID-19: a systematic review and meta-analysis. Minerva Anestesiologica, 2022, , .	1.0	2
1409	Physiological and Pathophysiological Consequences of Mechanical Ventilation. Seminars in Respiratory and Critical Care Medicine, 2022, 43, 321-334.	2.1	20
1410	Intraoperative positive end-expiratory pressure and postoperative pulmonary complications: a patient-level meta-analysis of three randomised clinical trials. British Journal of Anaesthesia, 2022, 128, 1040-1051.	3.4	22
1411	External chest-wall compression in prolonged COVID-19 ARDS with low-compliance: a physiological study. Annals of Intensive Care, 2022, 12, 35.	4.6	10
1412	Associations of dynamic driving pressure and mechanical power with postoperative pulmonary complicationsâ€“posthoc analysis of two randomised clinical trials in open abdominal surgery. EClinicalMedicine, 2022, 47, 101397.	7.1	12
1422	Effect of Automated Closed-loop ventilation versus convenTional VEntilation on duration and quality of ventilation in critically ill patients (ACTiVE) â€“ study protocol of a randomized clinical trial. Trials, 2022, 23, 348.	1.6	4
1429	Translational Role of Rodent Models to Study Ventilator-Induced Lung Injury.. Translational Perioperative and Pain Medicine, 2021, 8, 404-415.	0.1	0
1430	Trends in Mortality, Treatment, and Costs of Management of Acute Respiratory Distress Syndrome in South Korea: Analysis of Data between 2010 and 2019. Yonsei Medical Journal, 2022, 63, 452.	2.2	4
1431	Intermediate tidal volume is an acceptable option for ventilated patients with acute respiratory distress syndrome. Medicina Intensiva, 2022, 46, 609-618.	0.7	2
1432	Open the lungs, keep them open andâ€¦ take a break?. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101057.	1.4	0
1433	The characteristics of the continuously-recorded mechanical power and its associated clinical outcomes in medical patients with respiratory failure (CORE POWER) study: The protocol of prospective observation study.. Clinical Critical Care, 2022, , .	0.0	0
1434	Vasoactive Inotropic Score as a Prognostic Factor during (Cardio-) Respiratory ECMO. Journal of Clinical Medicine, 2022, 11, 2390.	2.4	18
1435	Effects of High-Resolution CT Changes on Prognosis Predictability in Acute Respiratory Distress Syndrome with Diffuse Alveolar Damage. Journal of Clinical Medicine, 2022, 11, 2458.	2.4	1
1436	The Physiological Basis of High-Frequency Oscillatory Ventilation and Current Evidence in Adults and Children: A Narrative Review. Frontiers in Physiology, 2022, 13, 813478.	2.8	5
1437	Mechanical Power during General Anesthesia and Postoperative Respiratory Failure: A Multicenter Retrospective Cohort Study. Anesthesiology, 2022, 137, 41-54.	2.5	34

#	Article	IF	Citations
1438	Retrospective Review of Transpulmonary Pressure Guided Positive End-Expiratory Pressure Titration for Mechanical Ventilation in Class II and III Obesity. , 2022, 4, e0690.		2
1439	Validation of at-the-bedside formulae for estimating ventilator driving pressure during airway pressure release ventilation using computer simulation. Respiratory Research, 2022, 23, 101.	3.6	0
1440	Reply to: Physiology is Vital to Precision Medicine in ARDS and Sepsis. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0
1441	A Rationale for Safe Ventilation With Inhalation Injury: An Editorial Review. Journal of Burn Care and Research, 2022, 43, 787-791.	0.4	1
1442	Intraoperative protective mechanical ventilation in patients requiring emergency abdominal surgery: the multicentre prospective randomised IMPROVE-2 study protocol. BMJ Open, 2022, 12, e054823.	1.9	0
1443	Recommended Reading from the East Carolina University Pulmonary, Critical Care and Sleep Medicine Fellows. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0
1444	A case of respiratory failure due to giant tumor with daily measurement of respiratory system compliance in ventilator weaning. Journal of the Japanese Society of Intensive Care Medicine, 2022, 29, 240-241.	0.0	0
1446	Driving pressure is not predictive of ARDS outcome in chest trauma patients under mechanical ventilation. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101095.	1.4	4
1447	Time-Controlled Adaptive Ventilation Does Not Induce Hemodynamic Impairment in a Swine ARDS Model. Frontiers in Medicine, 2022, 9, .	2.6	2
1449	Automation to improve lung protection. Intensive Care Medicine, 2022, 48, 943-946.	8.2	5
1451	Difference of 11Âyears between two periods of VV-ECMO does not impact mortality in large centres: we are not sure. Critical Care, 2022, 26, .	5.8	1
1452	Prone Positioning and Neuromuscular Blocking Agents as Adjunctive Therapies in Mechanically Ventilated Patients with Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 0, , .	2.1	2
1453	Epidemiology of mechanical ventilation in Argentina. The EpVAr multicenter observational study. Medicina Intensiva (English Edition), 2022, , .	0.2	1
1454	Reduction of Respiratory Rate in COVID-19-Associated ARDS. Respiratory Care, 2022, 67, 1173-1176.	1.6	0
1455	Flow-controlled ventilation in moderate acute respiratory distress syndrome due to COVID-19: an open-label repeated-measures controlled trial. Intensive Care Medicine Experimental, 2022, 10, .	1.9	4
1456	Effect of Driving Pressure-Oriented Ventilation on Patients Undergoing One-Lung Ventilation During Thoracic Surgery: A Systematic Review and Meta-Analysis. Frontiers in Surgery, 0, 9, .	1.4	1
1457	Risk Factors for Mortality in Mechanically Ventilated Patients with COVID-19 in a Mississippi Community Health System. Southern Medical Journal, 2022, 115, 349-351.	0.7	0
1458	Venovenous extracorporeal CO₂ removal to support ultraprotective ventilation in moderate-severe acute respiratory distress syndrome: A systematic review and meta-analysis of the literature. Perfusion (United Kingdom), 0, , 026765912210962.	1.0	2

#	Article	IF	Citations
1460	Intraoperative protective lung ventilation strategies in patients with morbid obesity. Saudi Journal of Anaesthesia, 2022, 16, 327.	0.7	0
1463	Management of Acute Respiratory Distress Syndrome in COVID-19 Patients. Acta Anaesthesiologica Belgica, 2022, 73, 5-14.	0.1	0
1464	Anesthetic Management of Critical COVID-19 Infection: A Narrative Review of Concepts and Evidence-Based Clinical Practices. Global Journal of Anesthesiology, 2022, 9, 001-011.	0.0	0
1465	Pathogenesis of pneumonia and acute lung injury. Clinical Science, 2022, 136, 747-769.	4.3	53
1466	Driving pressure-guided ventilation decreases the mechanical power compared to predicted body weight-guided ventilation in the Acute Respiratory Distress Syndrome. Critical Care, 2022, 26, .	5.8	10
1467	Early Physiologic Effects of Prone Positioning in COVID-19 Acute Respiratory Distress Syndrome. Anesthesiology, 2022, 137, 327-339.	2.5	12
1468	Applied aspects of respiratory biomechanics (current state of problem). Medical Alphabet, 2022, , 56-68.	0.2	1
1469	Key Advances in Intensive Care and the Coronavirus Disease-19 Research and Practice Boost. Journal of Clinical Medicine, 2022, 11, 3370.	2.4	0
1470	Decline in Ventilatory Ratio as a Predictor of Mortality in Adults With ARDS Receiving Prone Positioning. Respiratory Care, 2022, 67, 1067-1074.	1.6	0
1471	A Retrospective Analysis of the Effects of Time on Compliance and Driving Pressures in ARDS. Respiratory Care, 2023, 68, 52-59.	1.6	0
1472	Current Practice Review in the Management of Acute Respiratory Distress Syndrome. Journal of Pharmacy Practice, 0, , 089719002211087.	1.0	1
1473	Reverse Triggering: An Introduction to Diagnosis, Management, and Pharmacologic Implications. Frontiers in Pharmacology, 0, 13, .	3.5	1
1474	The physiological underpinnings of life-saving respiratory support. Intensive Care Medicine, 2022, 48, 1274-1286.	8.2	15
1475	Partition of respiratory mechanics in patients with acute respiratory distress syndrome and association with outcome: a multicentre clinical study. Intensive Care Medicine, 2022, 48, 888-898.	8.2	29
1476	ARDS clinical practice guideline 2021. Respiratory Investigation, 2022, 60, 446-495.	1.8	5
1478	The Use of Nitric Oxide as a Rescue Modality for Severe Adult Acute Respiratory Distress Syndrome Patients, Including COVID-19, in Critical Care Rotor Transport: A Retrospective Community Outcome Study. Air Medical Journal, 2022, 41, 427-431.	0.6	2
1479	Predictive value of computed tomography for short-term mortality in patients with acute respiratory distress syndrome: a systematic review. Scientific Reports, 2022, 12, .	3.3	3
1480	Long term feasibility of ultraprotective lung ventilation with low-flow extracorporeal carbon dioxide removal in ARDS patients. Journal of Critical Care, 2022, 71, 154092.	2.2	3

#	Article	IF	Citations
1481	Barotrauma in COVID 19: Incidence, pathophysiology, and effect on prognosis. Clinical Imaging, 2022, 90, 71-77.	1.5	7
1482	Mechanical Ventilation during ECMO: Lessons from Clinical Trials and Future Prospects. Seminars in Respiratory and Critical Care Medicine, 2022, 43, 417-425.	2.1	2
1483	Association Between Acute Kidney Injury During Invasive Mechanical Ventilation and ICU Outcomes and Respiratory System Mechanics. , 2022, 4, e0720.		4
1484	ÐšÐ»Ñ–Ð½Ñ–Ñ‡Ð½Ñ– Ñ‚Ð° Ð³Ñ–ÑÑ‚Ð¾Ð¿Ð°Ñ‚Ð¾Ñ„Ñ–Ð·Ñ–Ð¾Ð»Ð¾Ð³Ñ–Ñ‡Ð½Ñ– Ð¾ÑÐ¾Ð±Ð»Ð¸Ð²Ð¾ÑÑ‚Ñ– Ð¿Ð¸Ñ„Ñƒ…	0.2	1
1485	Federal guidelines on diagnosis and treatment of community-acquired pneumonia. Pulmonologiya, 2022, 32, 295-355.	0.8	10
1486	Influence of the Driving Pressure on Mortality in ARDS Patients with or without Abdominal Obesity: A Retrospective Cohort Study. Contrast Media and Molecular Imaging, 2022, 2022, 1-8.	0.8	0
1487	Basic Modes of Mechanical Ventilation. Emergency Medicine Clinics of North America, 2022, 40, 473-488.	1.2	2
1488	Pleural and transpulmonary pressures to tailor protective ventilation in children. Thorax, 2023, 78, 97-105.	5.6	3
1489	Lung Mechanics Over the Century: From Bench to Bedside and Back to Bench. Frontiers in Physiology, 0, 13, .	2.8	2
1490	Oxygenation versus driving pressure for determining the best positive end-expiratory pressure in acute respiratory distress syndrome. Critical Care, 2022, 26, .	5.8	4
1491	Metformin Alleviates LPS-Induced Acute Lung Injury by Regulating the SIRT1/NF-ÎºB/NLRP3 Pathway and Inhibiting Endothelial Cell Pyroptosis. Frontiers in Pharmacology, 0, 13, .	3.5	15
1492	The importance of ventilator settings and respiratory mechanics in patients resuscitated from cardiac arrest. Intensive Care Medicine, 0, , .	8.2	4
1493	ARDS Clinical Practice Guideline 2021. Journal of Intensive Care, 2022, 10, .	2.9	24
1494	Extracorporeal Membrane Oxygenation for Obstetric Patients: A New Era. Anesthesia and Analgesia, 2022, 135, 264-267.	2.2	1
1495	The importance of measuring ventilation during resuscitation. Resuscitation, 2022, 177, 41-42.	3.0	3
1496	A pilot evaluation of respiratory mechanics during prehospital manual ventilation. Resuscitation, 2022, 177, 55-62.	3.0	10
1497	What Works in a Patient With Acute Respiratory Distress Syndrome?. , 2023, , 484-495.		0
1498	Perioperative Care of the Surgical Patient: Heart, Lung, and Mediastinum Procedures. , 2023, , 248-261.		0

#	Article	IF	Citations
1499	Mechanical ventilation and COPD: from pathophysiology to ventilatory management. Minerva Medica, 2022, 113, .	0.9	14
1500	Myths and Misconceptions of Airway Pressure Release Ventilation: Getting Past the Noise and on to the Signal. Frontiers in Physiology, 0, 13, .	2.8	10
1501	Titration of Ventilator Settings to Target Driving Pressure and Mechanical Power. Respiratory Care, 2023, 68, 199-207.	1.6	2
1502	Prognostic value of the novel P/FPE index to classify ARDS severity: A cohort study. Medicina Intensiva, 2022, , .	0.7	0
1504	Treatment for acute respiratory distress syndrome in adults: a narrative review of phase 2 and 3 trials. Expert Opinion on Emerging Drugs, 2022, 27, 187-209.	2.4	5
1505	Successful use of ECMO in the treatment of acute respiratory distress syndrome associated with SARS-CoV-2 in two pediatric cases. Germs, 2022, 12, 308-315.	1.3	2
1506	Monitoring Lung Injury Severity and Ventilation Intensity during Mechanical Ventilation. Seminars in Respiratory and Critical Care Medicine, 2022, 43, 346-368.	2.1	17
1507	Effect of prone positioning on gas exchange according to lung morphology in patients with acute respiratory distress syndrome. Acute and Critical Care, 0, , .	1.4	1
1508	Impact of Time-Varying Intensity of Mechanical Ventilation on 28-Day Mortality Depends on Fluid Balance in Patients With Acute Respiratory Distress Syndrome: A Retrospective Cohort Study. Frontiers in Medicine, 0, 9, .	2.6	0
1509	Electrical Impedance Tomography to Titrate PEEP at Bedside in ARDS. Respiratory Care, 2022, 67, 1061-1063.	1.6	2
1510	Pulmonary pathophysiology development of COVID-19 assessed by serial Electrical Impedance Tomography in the MaastrICCht cohort. Scientific Reports, 2022, 12, .	3.3	6
1511	Effects of Driving Pressure-Guided Ventilation on Postoperative Pulmonary Complications in Prone-Positioned Patients Undergoing Spinal Surgery: AÂRandomized Controlled Clinical Trial. Journal of Investigative Surgery, 0, , 1-7.	1.3	0
1512	Unshrinking the baby lung to calm the VILI vortex. Critical Care, 2022, 26, .	5.8	8
1513	Impact of lidocaine on hemodynamic and respiratory parameters during laparoscopic appendectomy in children. Scientific Reports, 2022, 12, .	3.3	2
1514	Ventilation during Lung Resection and Critical Care: Comparative Clinical Outcomes. Anesthesiology, 2022, 137, 473-483.	2.5	5
1515	Non-invasive over-distension measurements: data driven vs model-based. Journal of Clinical Monitoring and Computing, 0, , .	1.6	0
1516	Protective ventilation. Intensive Care Medicine, 2022, 48, 1629-1631.	8.2	2
1517	Critical Care Management Following Lung Transplantation. Journal of Chest Surgery, 2022, 55, 325-331.	0.5	0

#	Article	IF	Citations
1519	High PEEP Levels during CPR Improve Ventilation without Deleterious Haemodynamic Effects in Pigs. Journal of Clinical Medicine, 2022, 11, 4921.	2.4	4
1520	Pulmonary air leak in COVID-19: time to learn from our mistakes. Intensive Care Medicine, 2022, 48, 1614-1616.	8.2	5
1521	An Updated Review of Driving-Pressure Guided Ventilation Strategy and Its Clinical Application. BioMed Research International, 2022, 2022, 1-5.	1.9	0
1522	Brain-Lung Crosstalk: Management of Concomitant Severe Acute Brain Injury and Acute Respiratory Distress Syndrome. Current Treatment Options in Neurology, 2022, 24, 383-408.	1.8	7
1523	Effects of ultrasound-guided alveolar recruitment manoeuvres compared with sustained inflation or no recruitment manoeuvres on atelectasis in laparoscopic gynaecological surgery as assessed by ultrasonography: a randomized clinical trial. BMC Anesthesiology, 2022, 22, .	1.8	3
1524	Adaptive Support Ventilation and Lung-Protective Ventilation in ARDS. Respiratory Care, 2022, 67, 1542-1550.	1.6	6
1525	Extracorporeal carbon dioxide removal for acute respiratory failure: a review of potential indications, clinical practice and open research questions. Intensive Care Medicine, 2022, 48, 1308-1321.	8.2	8
1526	Driving pressure-guided ventilation and postoperative pulmonary complications in thoracic surgery: a multicentre randomised clinical trial. British Journal of Anaesthesia, 2023, 130, e106-e118.	3.4	20
1527	Using real-time visualization system for data-driven decision support to achieve lung protective strategy: a retrospective observational study. Critical Care, 2022, 26, .	5.8	0
1528	Supportive Care in Patients with Critical COVID-19. Infectious Disease Clinics of North America, 2022, , .	5.1	0
1529	Expert consensus on the diagnosis and treatment of severe and critical coronavirus disease 2019 (COVID-19). Journal of Intensive Medicine, 2022, 2, 199-222.	2.1	3
1530	Identifying a pediatric cohort to prospectively evaluate ventilation strategies to mitigate postoperative pulmonary complications. Paediatric Anaesthesia, 2022, 32, 1368-1369.	1.1	1
1531	Gas distribution by EIT during PEEP inflation: PEEP response and optimal PEEP with lowest trans-pulmonary driving pressure can be determined without esophageal pressure during a rapid PEEP trial in patients with acute respiratory failure. Physiological Measurement, 2022, 43, 114001.	2.1	3
1532	Extracorporeal CO2 Removal During Renal Replacement Therapy to Allow Lung-Protective Ventilation in Patients with COVID-19â€“Associated Acute Respiratory Distress Syndrome. ASAIO Journal, 0, Publish Ahead of Print, .	1.6	3
1533	Mechanical Ventilation in Patients with Traumatic Brain Injury: Is it so Different?. Neurocritical Care, 2023, 38, 178-191.	2.4	6
1534	Physiotherapeutic approach and profile of patients treated in the emergency room surgical unit of a tertiary care hospital in the Federal District. Fisioterapia Em Movimento, 0, 35, .	0.1	1
1535	Invasive Mechanical Ventilation in COVID-19. , 2022, , 61-70.		0
1536	Saved by the PEEP: Resolution of Complete Unilateral Lung Collapse Secondary to Mucus Plugging With Ventilator Technique. Journal of Investigative Medicine High Impact Case Reports, 2022, 10, 232470962211214.	0.6	0

#	Article	IF	Citations
1537	Intensivmedizinische MaÃŸnahmen bei irreversiblem Hirnfunktionsausfall (Hirntod). , 2022, , 153-161.		0
1538	Severe COVID-19 disease in a 2nd trimester pregnancy: Successful ECMO and mechanical ventilation management. Respiratory Medicine Case Reports, 2022, 39, 101721.	0.4	3
1539	Abordagem fisioterapÃªutica e perfil dos pacientes assistidos na unidade cirÃºrgica do pronto-socorro de um hospital terciÃ¡rio do Distrito Federal. Fisioterapia Em Movimento, 0, 35, .	0.1	0
1540	Noninvasive and invasive mechanical ventilation for neurologic disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 361-386.	1.8	2
1541	Mechanical power measurement during mechanical ventilation of SARS-CoV-2 critically ill patients. A cohort study. Colombian Journal of Anesthesiology, 2022, 50, .	0.1	0
1542	Invasive Mechanical Ventilation In Traumatic Brain Injured Patients With Acute Respiratory Failure. Reviews on Recent Clinical Trials, 2022, 17, .	0.8	3
1543	Changing Critical Care Patterns and Associated Outcomes in Mechanically Ventilated Severe COVID-19 Patients in Different Time Periods: An Explanatory Study from Central India. Indian Journal of Critical Care Medicine, 2022, 26, 1022-1030.	0.9	1
1545	Do we have the â€˜powerâ€™ to â€˜driveâ€™ down the incidence of pulmonary complications after thoracic surgery. British Journal of Anaesthesia, 2023, 130, e37-e40.	3.4	3
1546	Patient-Ventilator Synchrony. Clinics in Chest Medicine, 2022, 43, 511-518.	2.1	0
1547	AUGS-IUGA Joint clinical consensus statement on enhanced recovery after urogynecologic surgery. International Urogynecology Journal, 2022, 33, 2921-2940.	1.4	3
1548	Protective ventilation in a pig model of acute lung injury: timing is as important as pressure. Journal of Applied Physiology, 2022, 133, 1093-1105.	2.5	7
1549	Association between driving pressure and postoperative pulmonary complications in patients undergoing lung resection surgery: A randomised clinical trial. Anaesthesia, Critical Care & Pain Medicine, 2023, 42, 101160.	1.4	3
1550	Mechanical power in AVM-2 versus conventional ventilation modes in various ARDS lung models. Bench study. Journal of Mechanical Ventilation, 2022, 3, 110-122.	0.1	1
1551	Chest wall loading during supine and prone position in patients with COVID-19 ARDS: effects on respiratory mechanics and gas exchange. Critical Care, 2022, 26, .	5.8	2
1552	PEEP-FiO2 table versus EIT to titrate PEEP in mechanically ventilated patients with COVID-19-related ARDS. Critical Care, 2022, 26, .	5.8	9
1553	Intraoperative lung-protective ventilation adjusting tidal volume to a plateau pressure restriction in elderly patients: A randomized controlled clinical trial. Technology and Health Care, 2023, 31, 539-551.	1.2	1
1554	Advances in Ventilator Management for Patients with Acute Respiratory Distress Syndrome. Clinics in Chest Medicine, 2022, 43, 499-509.	2.1	4
1555	AnÃ¡lise comparativa dos modos ventilatÃ³rios VentilaÃ§Ã£o Controlada a Volume (VCV), VentilaÃ§Ã£o a PressÃ£o Controlada (PCV) e VentilaÃ§Ã£o com PressÃ£o Regulada e Volume Controlado (PRVC) sobre mecÃ¢nica ventilatÃ³ria, tempo de ventilaÃ§Ã£o mecÃ¢nica, internaÃ§Ã£o em UTI e sobrevida em pacientes neurolÃ³gicos. Research, Society and Development, 2022, 11, e18111334943.	0.1	0

#	Article	IF	Citations
1556	The Rise of the Machines: Why the future lies with less injurious adaptive ventilation strategies. Journal of Mechanical Ventilation, 2022, 3, 106-108.	0.1	0
1557	2021 Year in Review: Pediatric Mechanical Ventilation. Respiratory Care, 2022, 67, 1476-1488.	1.6	1
1558	Energy dissipation during expiration and ventilator-induced lung injury: an experimental animal study. Journal of Applied Physiology, 2022, 133, 1212-1219.	2.5	5
1559	Neuromuscular Blockade in the Pre- and COVID-19 ARDS Patients. Journal of Personalized Medicine, 2022, 12, 1538.	2.5	7
1560	Post-Transplant and In-Hospital Risk Factors for ARDS After Hematopoietic Stem Cell Transplantation. Respiratory Care, 2023, 68, 77-86.	1.6	2
1561	Early Intubation Reduces the Risk of Death Among COVID-19 Patients: An Observational Study. Biomedical and Pharmacology Journal, 2022, 15, 1469-1476.	0.5	0
1562	Respiratory Subsets in Patients with Moderate to Severe Acute Respiratory Distress Syndrome for Early Prediction of Death. Journal of Clinical Medicine, 2022, 11, 5724.	2.4	3
1563	The Evolution of Intermittent Mandatory Ventilation. Respiratory Care, 2023, 68, 417-428.	1.6	0
1564	Mechanical ventilation in acute brain injury patients with acute respiratory distress syndrome. Frontiers in Medicine, 0, 9, .	2.6	2
1565	Acute respiratory distress syndrome in adults: diagnosis, outcomes, long-term sequelae, and management. Lancet, The, 2022, 400, 1157-1170.	13.7	78
1566	The optimal management of the patient with COVIDâ€19 pneumonia: HFNC, NIV/CPAP or mechanical ventilation?. African Journal of Thoracic and Critical Care Medicine, 0, , 119-128.	0.6	3
1567	Breathing pattern, accessory respiratory muscles work, and gas exchange evaluation for prediction of NIV failure in moderate-to-severe COVID-19-associated ARDS after deterioration of respiratory failure outside ICU: the COVID-NIV observational study. BMC Anesthesiology, 2022, 22, .	1.8	1
1568	A structured narrative review of clinical and experimental studies of the use of different positive endâ€expiratory pressure levels during thoracic surgery. Clinical Respiratory Journal, 2022, 16, 717-731.	1.6	1
1569	Virtual patient framework for the testing of mechanical ventilation airway pressure and flow settings protocol. Computer Methods and Programs in Biomedicine, 2022, 226, 107146.	4.7	5
1570	Correlation between changes in arterial blood oxygen partial pressure, oxygen uptake and carbon dioxide elimination by the lungs with changes in positive end expiratory pressure: a prospective observational study. Alexander Saltanov Intensive Care Herald, 2022, , 36-43.	1.0	1
1571	Epidemiology and ventilation characteristics of confirmed cases of severe COVID-19 pneumonia admitted in intensive care unit (EPIC19): A multicentre observational study. Indian Journal of Anaesthesia, 2022, 66, 724.	1.0	4
1572	Body Position: A Question That Weighs Heavily on Lung Protection in Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2022, 50, 1675-1677.	0.9	0
1573	PEEP, p-values, and pulmonary mechanics; donâ€™t throw the baby out with the bathwater. Critical Care, 2022, 26, .	5.8	1

#	Article	IF	Citations
1574	Sivelestat improves clinical outcomes and decreases ventilator-associated lung injury in children with acute respiratory distress syndrome: a retrospective cohort study. Translational Pediatrics, 2022, 11, 1671-1681.	1.2	6
1575	Evaluation of Cardiovascular Effects of Methylphenidate in Children with Attention-deficit Hyperactivity Disorder. Journal of Dr Behcet Uz Children S Hospital, 2022, 12, 205-210.	0.1	0
1576	Through the Looking Glass: The Paradoxical Evolution of Targeted Temperature Management for Comatose Survivors of Cardiac Arrest. Neurotherapeutics, 2022, 19, 1869-1877.	4.4	0
1577	Individualizing mechanical ventilation: titration of driving pressure to pulmonary elastance through Youngâ€™s modulus in an acute respiratory distress syndrome animal model. Critical Care, 2022, 26, .	5.8	6
1578	Negative-pressure-assisted ventilation lowers driving pressure and mechanical power in an ARDS model. Journal of Applied Physiology, 2022, 133, 1237-1249.	2.5	5
1579	Effect of Hypoxemia on Outcome in Respiratory Failure Supported With Extracorporeal Membrane Oxygenation: A Cardinality Matched Cohort Study. ASAIO Journal, 2022, 68, e235-e242.	1.6	3
1580	Prognostic factors associated with mortality among patients receiving venovenous extracorporeal membrane oxygenation for COVID-19: a systematic review and meta-analysis. Lancet Respiratory Medicine,the, 2023, 11, 235-244.	10.7	32
1581	Dexmedetomidine and Propofol Sedation in Critically Ill Patients and Dose Associated 90-day Mortality: A Secondary Cohort Analysis of a Randomized Controlled Trial (SPICE-III). American Journal of Respiratory and Critical Care Medicine, 0, , .	5.6	7
1582	Roles of electrical impedance tomography in lung transplantation. Frontiers in Physiology, 0, 13, .	2.8	1
1583	A case of switching from long-term veno venous ECMO to extracorporeal CO₂ removal (ECCO₂R) using a dialysis catheter and centrifugal pump. Journal of the Japanese Society of Intensive Care Medicine, 2022, 29, 580-584.	0.0	0
1584	Regional ventilation in spontaneously breathing <scp>COVID</scp>â€19 patients during postural maneuvers assessed by electrical impedance tomography. Acta Anaesthesiologica Scandinavica, 2023, 67, 185-194.	1.6	5
1585	Increased Longevity of a Novel Gas Exchanger System for Low-Flow Veno-Venous Extracorporeal CO2 Removal in Acute Hypercapnic Respiratory Failure. Blood Purification, 2023, 52, 275-284.	1.8	0
1586	Predicting mechanically ventilated patients future respiratory system elastance â€“ A stochastic modelling approach. Computers in Biology and Medicine, 2022, 151, 106275.	7.0	2
1587	Airway driving pressure is associated with postoperative pulmonary complications after major abdominal surgery: a multicentre retrospective observational cohort study. , 2022, 4, 100099.		5
1588	Anesthesia Machine and New Modes of Ventilation. Advances in Anesthesia, 2022, 40, 167-183.	0.9	0
1589	Determining respiratory rate using measured expiratory time constant: A prospective observational study. Journal of Critical Care, 2023, 73, 154174.	2.2	1
1590	Pneumoscrotum in a Patient with <i>Pneumocystis jirovecii</i> Pneumonia: A Case Report. Open Journal of Respiratory Diseases, 2022, 12, 83-87.	0.3	0
1591	Thoraxtrauma. Springer Reference Medizin, 2022, , 1-15.	0.0	0

#	Article	IF	Citations
1592	Interpretation and use of intraoperative protective ventilation parameters: a scoping review. Anaesthesiology Intensive Therapy, 0, , .	1.0	0
1593	Efficacy and Safety of Different Mechanical Ventilation Strategies for Patients with Acute Respiratory Distress Syndrome: Systematic Review and Network Meta-analysis. Intensive Care Research, 0, , .	0.6	0
1594	What is the pressure to follow?: Driving pressure versus Tidal pressure. Medicina Intensiva (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	0
1595	Mechanical Ventilation in ARDS With an Automatic Resuscitator. Respiratory Care, 2023, 68, 611-619.	1.6	0
1596	Intermediate tidal volume is an acceptable option for ventilated patients with acute respiratory distress syndrome. Medicina Intensiva (English Edition), 2022, 46, 609-618.	0.2	0
1597	Effect of positive end-expiratory pressure on pulmonary compliance and pulmonary complications in patients undergoing robot-assisted laparoscopic radical prostatectomy: a randomized control trial. BMC Anesthesiology, 2022, 22, .	1.8	3
1598	Prolonged Prone Position Ventilation Is Associated With Reduced Mortality in Intubated COVID-19 Patients. Chest, 2023, 163, 533-542.	0.8	16
1599	Model-based analysis and optimization of pressure-controlled ventilation of COPD patients in relation to BMI. Automatisierungstechnik, 2022, 70, 957-967.	0.8	0
1600	Prognostic value of the novel P/FPE index to classify ARDS severity: A cohort study. Medicina Intensiva (English Edition), 2022, , .	0.2	0
1601	Effect of mechanical power on mortality in invasively ventilated ICU patients without the acute respiratory distress syndrome. European Journal of Anaesthesiology, 2023, 40, 21-28.	1.7	10
1602	Personalized medicine using omics approaches in acute respiratory distress syndrome to identify biological phenotypes. Respiratory Research, 2022, 23, .	3.6	15
1604	Unilateral Lung Diseases and Differential Lung Ventilation. , 2022, , 287-305.		0
1605	Respiratory Physiology and Mechanics atÂthe Bedside. , 2022, , 1-17.		0
1606	Monitoring of Mechanical Ventilation. , 2022, , 195-221.		0
1608	Appropriate adaptation of mechanical power from the ICU to the operating room. European Journal of Anaesthesiology, 2023, 40, 65-66.	1.7	2
1609	Reply to: appropriate adaptation of mechanical power from the ICU to the operating room. European Journal of Anaesthesiology, 2023, 40, 66-67.	1.7	0
1610	Intraoperative right heart function with individualized mechanical ventilation in laparoscopic surgery with Trendelenburg positioning: A randomized-controlled study. Heart and Lung: Journal of Acute and Critical Care, 2023, 58, 185-190.	1.6	0
1611	Mechanical Ventilation in ARDS. , 2022, , 247-268.		87

#	Article	IF	Citations
1612	Mechanical Ventilation Strategies for Patients on Extracorporeal Membrane Oxygenation Support. , 2022, , 319-328.		0
1613	Fall 50 â€“ Die Pneumektomie. , 2022, , 167-189.		0
1614	HÃmodynamisches und respiratorisches Monitoring. Springer Reference Medizin, 2022, , 1-43.	0.0	0
1615	COVID 19: Airway Management and Pharmacological Strategies. Journal of Cardiac Critical Care TSS, 2022, 06, 210-215.	0.1	0
1616	Veno-venous Extracorporeal Membrane Oxygenation for pregnant women with Acute Respiratory Distress Syndrome: a narrative review. Acta Anaesthesiologica Belgica, 2022, 73, 165-177.	0.1	0
1617	Optimization of protective lung ventilation in thoracic surgery. Innovative Medicine of Kuban, 2022, , 32-38.	0.2	0
1619	Very Low Driving-Pressure Ventilation in Patients With COVID-19 Acute Respiratory Distress Syndrome on Extracorporeal Membrane Oxygenation: A Physiologic Study. Journal of Cardiothoracic and Vascular Anesthesia, 2023, 37, 423-431.	1.3	2
1620	Dexmedetomidine and Propofol Sedation in Critically Ill Patients: How much is too much?. American Journal of Respiratory and Critical Care Medicine, 0, , .	5.6	0
1621	The impact of driving pressure on postoperative pulmonary complication in patients with different respiratory spirometry. Scientific Reports, 2022, 12, .	3.3	0
1622	Lung Injury Is Induced by Abrupt Increase in Respiratory Rate but Prevented by Recruitment Maneuver in Mild Acute Respiratory Distress Syndrome in Rats. Anesthesiology, 2023, 138, 420-435.	2.5	6
1623	Selection of the End-Expiratory Pressure for Mechanical Respiratory Support (Review). Obshchaya Reanimatologiya, 2022, 18, 50-58.	1.0	2
1624	Mortality associated with acute respiratory distress syndrome, 2009-2019: a systematic review and meta-analysis. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2022, 24, 341-351.	0.1	1
1625	Effect of prone positioning on end-expiratory lung volume, strain and oxygenation change over time in COVID-19 acute respiratory distress syndrome: A prospective physiological study. Frontiers in Medicine, 0, 9, .	2.6	3
1626	Mechanical ventilation variables associated with high pulmonary artery pressures in ARDS patients: a post hoc analysis. Critical Care, 2022, 26, .	5.8	2
1627	Mechanical ventilation in patients with cardiogenic pulmonary edema: a sub-analysis of the LUNG SAFE study. Journal of Intensive Care, 2022, 10, .	2.9	3
1628	Pediatric Acute Respiratory Distress Syndrome: Approaches in Mechanical Ventilation. Pediatric Critical Care Medicine, 2023, 24, e104-e114.	0.5	7
1629	Postoperative care after left ventricular assist device implantation: considerations for the cardiac surgical intensivist. Indian Journal of Thoracic and Cardiovascular Surgery, 2023, 39, 182-189.	0.6	1
1630	Understanding clinical and biological heterogeneity to advance precision medicine in paediatric acute respiratory distress syndrome. Lancet Respiratory Medicine,the, 2023, 11, 197-212.	10.7	4

#	Article	IF	Citations
1631	Effect of a systematic lung-protective protocol for COVID-19 pneumonia requiring invasive ventilation: A single center retrospective study. PLoS ONE, 2023, 18, e0267339.	2.5	0
1632	Practical Aspects of Esophageal Pressure Monitoring in Patients with Acute Respiratory Distress Syndrome. Journal of Personalized Medicine, 2023, 13, 136.	2.5	0
1633	Individualized positive end-expiratory pressure guided by respiratory mechanics during anesthesia for the prevention of postoperative pulmonary complications: a systematic review and meta-analysis. Journal of Clinical Monitoring and Computing, 2023, 37, 365-377.	1.6	3
1634	Construction and Validation of a Predictive Model for the Risk of Ventilator-Associated Pneumonia in Elderly ICU Patients. Canadian Respiratory Journal, 2023, 2023, 1-9.	1.6	1
1635	Noninvasive Ventilation: Challenges and Pitfalls. European Medical Journal Respiratory, 0, , 100-108.	1.0	2
1636	AUGS-IUGA Joint Clinical Consensus Statement on Enhanced Recovery After Urogynecologic Surgery. , 2022, 28, 716-734.		6
1637	A novel method to calculate compliance and airway resistance in ventilated patients. Intensive Care Medicine Experimental, 2022, 10, .	1.9	2
1638	Iron Deficiency Anemia and COVID-19. Journal of Medical Microbiology and Infectious Diseases, 2022, 10, 157-162.	0.1	0
1640	The association between initial calculated driving pressure at the induction of general anesthesia and composite postoperative oxygen support. BMC Anesthesiology, 2022, 22, .	1.8	0
1641	The Future of Cardiothoracic Surgical Critical Care Medicine as a Medical Science: A Call to Action. Medicina (Lithuania), 2023, 59, 47.	2.0	0
1642	Comparisons of Mechanical Power and Respiratory Mechanics in Pressure-Controlled Ventilation and Volume-Controlled Ventilation during Laparoscopic Cholecystectomy in Elderly Patients. Journal of Personalized Medicine, 2023, 13, 201.	2.5	2
1643	The safety and efficacy of mesenchymal stromal cells in ARDS: a meta-analysis of randomized controlled trials. Critical Care, 2023, 27, .	5.8	13
1644	Executive Summary of the Second International Guidelines for the Diagnosis and Management of Pediatric Acute Respiratory Distress Syndrome (PALICC-2). Pediatric Critical Care Medicine, 2023, 24, 143-168.	0.5	54
1645	Pulmonary protection and management during extracorporeal membrane oxygenation. , 2023, , 911-925.		0
1646	Lung injury in cardiopulmonary bypass. , 2023, , 627-640.		0
1647	Invasive Ventilatory Support in Patients With Pediatric Acute Respiratory Distress Syndrome: From the Second Pediatric Acute Lung Injury Consensus Conference. Pediatric Critical Care Medicine, 2023, 24, S61-S75.	0.5	11
1648	HÃmodynamisches und respiratorisches Monitoring. Springer Reference Medizin, 2023, , 1-43.	0.0	0
1649	Extracorporeal Membrane Oxygenation in Pediatric Acute Respiratory Distress Syndrome: From the Second Pediatric Acute Lung Injury Consensus Conference. Pediatric Critical Care Medicine, 2023, 24, S124-S134.	0.5	6

#	Article	IF	Citations
1650	Moderate-to-severe ARDS: COVID-19 patients compared to influenza patients for ventilator parameters and mortality. ERJ Open Research, 2023, 9, 00554-2022.	2.6	1
1651	Adherence to protective mechanical ventilation in COVID-19 versus non-COVID-19-associated acute respiratory distress syndrome: Comparison between two prospective cohorts. Medicina Intensiva (English Edition), 2023, , .	0.2	0
1652	Added value of chest CT images to a personalized prognostic model in acute respiratory distress syndrome: a retrospective study. Chinese Journal of Academic Radiology, 2023, 6, 47-56.	0.6	0
1653	Model-based Analysis of Respiratory Mechanics and Parameters in Critically Ill Mechanically Ventilated Patients. , 2022, , .		0
1654	Setting and Monitoring of Mechanical Ventilation During Venovenous ECMO. Annual Update in Intensive Care and Emergency Medicine, 2023, , 239-252.	0.2	0
1655	Individualised flow-controlled versus pressure-controlled ventilation in a porcine oleic acid-induced acute respiratory distress syndrome model. European Journal of Anaesthesiology, 2023, 40, 511-520.	1.7	2
1656	Predicting the successful application of high-flow nasal oxygen cannula in patients with COVID-19 respiratory failure: a retrospective analysis. Expert Review of Respiratory Medicine, 0, , 1-10.	2.5	0
1657	Is COVID-19 different from other causes of acute respiratory distress syndrome?. Journal of Intensive Medicine, 2023, 3, 212-219.	2.1	2
1658	Lâ€™association entre une ventilation peropÃ©ratoire Ã basse pression motrice et le congÃ© ailleurs quâ€™au domicile : une Ã©tude de cohorte historique. Canadian Journal of Anaesthesia, 2023, 70, 359-373.	1.6	2
1659	Linking Acute Physiology to Outcomes in the ICU: Challenges and Solutions for Research. American Journal of Respiratory and Critical Care Medicine, 2023, 207, 1441-1450.	5.6	4
1660	Minimizing Lung Injury During Laparoscopy in Head-Down Tilt: A Physiological Cohort Study. Anesthesia and Analgesia, 2023, 137, 841-849.	2.2	0
1661	Respiratory Monitoring During Mechanical Ventilation: The Present and the Future. Journal of Intensive Care Medicine, 2023, 38, 407-417.	2.8	1
1662	A Prospective Observational Study on Short and Long-Term Outcomes of COVID-19 Patients with Acute Hypoxic Respiratory Failure Treated with High-Flow Nasal Cannula. Journal of Clinical Medicine, 2023, 12, 1249.	2.4	1
1663	Utility of the modified nutritional risk in the critically ill score as an outcome predictor in all-cause acute respiratory distress syndrome and acute febrile illness-induced acute respiratory distress syndrome. Journal of Emergencies, Trauma and Shock, 2022, 15, 173.	0.7	2
1664	Physiological adaptations during weaning from veno-venous extracorporeal membrane oxygenation. Intensive Care Medicine Experimental, 2023, 11, .	1.9	4
1665	Challenges in ARDS Definition, Management, and Identification of Effective Personalized Therapies. Journal of Clinical Medicine, 2023, 12, 1381.	2.4	9
1666	Ventilatory targets following brain injury. Current Opinion in Critical Care, 2023, 29, 41-49.	3.2	5
1667	Lung morphology impacts the association between ventilatory variables and mortality in patients with acute respiratory distress syndrome. Critical Care, 2023, 27, .	5.8	2

#	Article	IF	Citations
1668	Effects of Individualised High Positive End-Expiratory Pressure and Crystalloid Administration on Postoperative Pulmonary Function in Patients Undergoing Robotic-Assisted Radical Prostatectomy: A Prospective Randomised Single-Blinded Pilot Study. Journal of Clinical Medicine, 2023, 12, 1460.	2.4	0
1669	Association between driving pressure and mortality may depend on timing since onset of acute respiratory distress syndrome. Intensive Care Medicine, 2023, 49, 363-365.	8.2	7
1670	Mechanical ventilation postâ€bilateral lung transplantation: A scoping review. Acta Anaesthesiologica Scandinavica, 2023, 67, 576-587.	1.6	1
1671	Oxidative Stress and Inflammation in Acute and Chronic Lung Injuries. Antioxidants, 2023, 12, 548.	5.1	19
1672	Usefulness and limitations of the acute respiratory distress syndrome definitions in non-intubated patients. A narrative review. Frontiers in Medicine, 0, 10, .	2.6	0
1673	Causal inference from observational data in emergency medicine research. European Journal of Emergency Medicine, 2023, 30, 67-69.	1.1	0
1674	Driving Pressure, Elastance, and Outcomes in a Real-World Setting: A Bi-Center Analysis of Electronic Health Record Data. , 2023, 5, e0877.		3
1675	Mechanical Ventilation in Sepsis. , 2023, , 135-138.		0
1676	Harmonization of Reported Baseline Characteristics Is a Prerequisite for Progress in Acute Respiratory Distress Syndrome Research. Annals of the American Thoracic Society, 2023, 20, 947-950.	3.2	1
1677	Shortening the Journey from Evidence to Practice: The Benefits and Complexities of Hybrid Implementation-effectiveness Trials. Annals of the American Thoracic Society, 2023, 20, 366-368.	3.2	0
1678	Intraoperative Ventilator Management of the Critically Ill Patient. Anesthesiology Clinics, 2023, 41, 121-140.	1.4	1
1679	Relationship of Extravascular Lung Water and Pulmonary Vascular Permeability to Respiratory Mechanics in Patients with COVID-19-Induced ARDS. Journal of Clinical Medicine, 2023, 12, 2028.	2.4	0
1680	Low tidal volume ventilation for patients undergoing laparoscopic surgery: a secondary analysis of a randomised clinical trial. BMC Anesthesiology, 2023, 23, .	1.8	0
1681	Respiratory Rate as a Factor in Lung Injuryâ€"Not Just What You Set, but How You Set. Anesthesiology, 2023, 138, 351-353.	2.5	1
1682	Mechanical Power Is Associated With Mortality in Pediatric Acute Respiratory Distress Syndrome. Pediatric Critical Care Medicine, 2023, 24, e307-e316.	0.5	2
1683	Mechanical power of ventilation and driving pressure: two undervalued parameters for pre extracorporeal membrane oxygenation ventilation and during daily management?. Critical Care, 2023, 27, .	5.8	1
1684	Diaphragm Neurostimulation Assisted Ventilation in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2023, 207, 1275-1282.	5.6	7
1685	Incidence of barotrauma in patients with COVID-19 (alpha- and beta-predominant period) requiring mechanical ventilation: Single-center retrospective study. SAGE Open Medicine, 2023, 11, 205031212311594.	1.8	1

#	Article	IF	Citations
1686	Extracorporeal Carbon Dioxide Removal With the Hemolung in Patients With Acute Respiratory Failure: A Multicenter Retrospective Cohort Study*. Critical Care Medicine, 2023, 51, 892-902.	0.9	6
1687	Physiological Adaptations During Weaning from Venovenous ECMO. Annual Update in Intensive Care and Emergency Medicine, 2023, , 263-285.	0.2	0
1688	The Potential Risks of Pressure Support Ventilation. Annual Update in Intensive Care and Emergency Medicine, 2023, , 207-220.	0.2	0
1689	Role of Changes in Driving Pressure and Mechanical Power in Predicting Mortality in Patients with Acute Respiratory Distress Syndrome. Diagnostics, 2023, 13, 1226.	2.6	1
1690	Setting and Monitoring of Mechanical Ventilation During Venovenous ECMO. Critical Care, 2023, 27, .	5.8	6
1691	Positive end-expiratory pressure induced changes in airway driving pressure in mechanically ventilated COVID-19ÂAcute Respiratory Distress Syndrome patients. Critical Care, 2023, 27, .	5.8	1
1692	Limiting Dynamic Driving Pressure in Patients Requiring Mechanical Ventilation*. Critical Care Medicine, 2023, 51, 861-871.	0.9	7
1693	A Trial of Adding Lung Protective Strategies to Existing Enhanced Recovery After Surgery Protocols and Its Effect on Improving Postoperative Lung Function. Journal of Clinical Medicine Research, 2023, 15, 127-132.	1.2	0
1694	Management of refractory hypoxemia using recruitment maneuvers and rescue therapies: A comprehensive review. Frontiers in Veterinary Science, 0, 10, .	2.2	0
1695	Pulmonary Manifestations of COVID-19. , 2024, , 100-136.		0
1696	Mechanical power and 30-day mortality in mechanically ventilated, critically ill patients with and without Coronavirus Disease-2019: a hospital registry study. Journal of Intensive Care, 2023, 11, .	2.9	7
1697	PEEP Titration by the Bedside: How Do We Set It Right?. , 2023, , 27-35.		0
1698	Risk factors for ventilator-induced-lung injury develop three to five times faster after a single episode of lung injury. Canadian Journal of Respiratory Therapy, 0, 59, 103-110.	0.8	1
1699	Association between the time-varying arterial carbon dioxide pressure and 28-day mortality in mechanically ventilated patients with acute respiratory distress syndrome. BMC Pulmonary Medicine, 2023, 23, .	2.0	1
1700	Utilization of mechanical power and associations with clinical outcomes in brain injured patients: a secondary analysis of the extubation strategies in neuro-intensive care unit patients and associations with outcome (ENIO) trial. Critical Care, 2023, 27, .	5.8	5
1701	Practical assessment of risk of VILI from ventilating power: a conceptual model. Critical Care, 2023, 27, .	5.8	9
1702	Chest Physiotherapy Interventions for Children During SARS-COV-2 Pandemic. Clinical Pediatrics, 2024, 63, 96-107.	0.8	1
1703	Relationship between D-dimers and dead-space on disease severity and mortality in COVID-19 acute respiratory distress syndrome: A retrospective observational cohort study. Journal of Critical Care, 2023, 77, 154313.	2.2	0

#	Article	IF	Citations
1704	SOLVe: a closed-loop system focused on protective mechanical ventilation. BioMedical Engineering OnLine, 2023, 22, .	2.7	0
1705	Driving pressure: applying the concept at the bedside. Intensive Care Medicine, 2023, 49, 991-995.	8.2	2
1706	Lung Recruitment Assessed by Electrical Impedance Tomography (RECRUIT): A Multicenter Study of COVID-19 Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2023, 208, 25-38.	5.6	17
1707	Updates on pediatric respiratory critical care: Part I. Journal of Pediatric Critical Care, 2023, 10, 83.	0.0	0
1708	Dead-Space Ventilation Indices and Mortality in Acute Respiratory Distress Syndrome: A Systematic Review and Meta-Analysis*. Critical Care Medicine, 2023, 51, 1363-1372.	0.9	3
1711	Lung Injury Risk in Traumatic Brain Injury Managed With Optimal Cerebral Perfusion Pressure Guided-Therapy. The Journal of Critical Care Medicine, 2023, 9, 97-105.	0.7	1
1712	Modifiable Mechanical Ventilation Targets Are Associated With Improved Survival in Ventilated VA-ECLS Patients. JACC: Heart Failure, 2023, 11, 961-968.	4.1	1
1713	Ventilator-induced lung injury in children. Journal of Pediatric Critical Care, 2023, 10, 107.	0.0	0
1714	Effects of adding the second drainage cannula in severely hypoxemic patients supported with <scp>VV ECMO</scp> due to <scp>COVID</scp>â€19â€associated <scp>ARDS</scp>. Artificial Organs, 0, , .	1.9	0
1715	Effect of different titration methods on right heart function and prognosis in patients with acute respiratory distress syndrome. Heart and Lung: Journal of Acute and Critical Care, 2023, 61, 127-135.	1.6	0
1716	Failing categorization of severe COVID-19 ARDS into ventilatory subphenotypes studied via the clinical-histopathologic relationship. Respiratory Medicine, 2023, 215, 107283.	2.9	0
1717	Inflating Pressure and Not Expiratory Pressure Initiates Lung Injury at Birth in Preterm Lambs. American Journal of Respiratory and Critical Care Medicine, 2023, 208, 589-599.	5.6	4
1718	Effect of a low versus intermediate tidal volume strategy on pulmonary complications in patients at risk of acute respiratory distress syndromeâ€"a randomized clinical trial. Frontiers in Medicine, 0, 10, .	2.6	1
1720	The effect of driving pressure-guided versus conventional mechanical ventilation strategy on pulmonary complications following on-pump cardiac surgery: A randomized clinical trial. Journal of Clinical Anesthesia, 2023, 89, 111150.	1.6	1
1721	Alveolar Mitochondrial Quality Control During Acute Respiratory Distress Syndrome. Laboratory Investigation, 2023, 103, 100197.	3.7	2
1722	Static Respiratory System Compliance as a Predictor of Extubation Failure in Patients with Acute Respiratory Failure. Lung, 2023, 201, 309-314.	3.3	1
1723	Effect of Lung Compliance-Based Optimum Pressure Versus Fixed Positive End-Expiratory Pressure on Lung Atelectasis Assessed by Modified Lung Ultrasound Score in Laparoscopic Gynecological Surgery: A Prospective Randomized Controlled Trial. Cureus, 2023, , .	0.5	0
1724	Diffuse Alveolar Hemorrhage in Hematopoietic Stem Cell Transplantation. , 2023, , 203-210.		0

#	Article	IF	Citations
1725	Respiratory Support of the Critically Ill Hematopoietic Stem Cell Transplant Patient. , 2023, , 327-336.		0
1726	American Association for the Surgery of Trauma/American College of Surgeons Committee on Trauma Clinical Protocol for Management of Acute Respiratory Distress Syndrome and Severe Hypoxemia. Journal of Trauma and Acute Care Surgery, 0, Publish Ahead of Print, .	2.1	0
1727	Driving Pressure: What Is the Harm?*. Critical Care Medicine, 2023, 51, 967-970.	0.9	0
1728	A long-lasting porcine model of ARDS caused by pneumonia and ventilator-induced lung injury. Critical Care, 2023, 27, .	5.8	0
1729	Reliability of Respiratory System Compliance Calculation During Assisted Mechanical Ventilation: A Retrospective Study. Critical Care Medicine, 0, Publish Ahead of Print, .	0.9	2
1730	Transplantation of initially rejected donor lungs using ex vivo lung perfusion: A 5â€year experience. Acta Anaesthesiologica Scandinavica, 0, , .	1.6	0
1731	High positive end-expiratory pressure ventilation mitigates the progression from unilateral pulmonary contusion to ARDS: An animal study. Journal of Trauma and Acute Care Surgery, 2024, 96, 287-296.	2.1	0
1734	Prognostic value of respiratory compliance course on mortality in COVID-19 patients with vv-ECMO. Annals of Intensive Care, 2023, 13, .	4.6	2
1735	Personalized Respiratory Support in ARDS: A Physiology-to-Bedside Review. Journal of Clinical Medicine, 2023, 12, 4176.	2.4	4
1737	Colonic oxygen microbubbles augment systemic oxygenation and CO2 removal in a porcine smoke inhalation model of severe hypoxia. Intensive Care Medicine Experimental, 2023, 11, .	1.9	0
1738	Evaluation of adherence with lung-protective ventilator strategies in moderate-to-severe acute respiratory distress syndrome in a tertiary care setup in India: A prospective observational study. International Journal of Critical Illness and Injury Science, 2023, 13, 60.	0.6	0
1739	Efficacy of endotracheal tube clamping to prevent positive airways pressure loss and pressure behavior after reconnection: a bench study. Intensive Care Medicine Experimental, 2023, 11, .	1.9	0
1740	One-Lung Ventilation and Postoperative Pulmonary Complications After Major Lung Resection Surgery. A Multicenter Randomized Controlled Trial. Journal of Cardiothoracic and Vascular Anesthesia, 2023, 37, 2561-2571.	1.3	2
1741	Closedâ€loop ventilation in <scp>COVIDâ€</scp>19 patients with acute hypoxemic respiratory failureâ€”A case series. Nursing in Critical Care, 2024, 29, 219-225.	2.3	1
1742	Modulation of pulmonary blood flow in patients with acute respiratory failure. Nitric Oxide - Biology and Chemistry, 2023, 136-137, 1-7.	2.7	1
1743	Low Tidal Volume Strategy: What Else?*. Critical Care Medicine, 2023, 51, 838-841.	0.9	0
1744	Effect of driving pressure on early postoperative lung gas distribution in supratentorial craniotomy: a randomized controlled trial. BMC Anesthesiology, 2023, 23, .	1.8	0
1746	Driving Pressure-Guided Ventilation in Obese Patients Undergoing Laparoscopic Sleeve Gastrectomy: A Randomized Controlled Trial. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 16, 1515-1523.	2.4	0

#	Article	IF	Citations
1747	Intensity of one-lung ventilation and postoperative respiratory failure: A hospital registry study. Anaesthesia, Critical Care & Pain Medicine, 2023, 42, 101250.	1.4	1
1749	Development and Internal validation of a Novel Prognostic Score to Predict Mortality in Acute Respiratory Distress Syndrome - Driving Pressure, Oxygenation and Nutritional Evaluation â€“ â€œDRONE Scoreâ€. Journal of Emergencies, Trauma and Shock, 0, Publish Ahead of Print, .	0.7	1
1754	Respiratory function under anaesthesia. Indian Journal of Respiratory Care, 2022, 5, 671-676.	0.1	0
1755	Findings of ventilator-measured P0.1 in assessing respiratory drive in patients with severe ARDS. Technology and Health Care, 2023, , 1-8.	1.2	1
1756	Positive end-expiratory pressure in acute respiratory distress syndrome; where have we been, where are we going?. Clinical Critical Care, 2023, , .	0.0	0
1757	A novel method for assessment of airway opening pressure without the need for low-flow insufflation. Critical Care, 2023, 27, .	5.8	2
1758	Ultra-low tidal volume ventilation for COVID-19-related ARDS in France (VT4COVID): a multicentre, open-label, parallel-group, randomised trial. Lancet Respiratory Medicine,the, 2023, 11, 991-1002.	10.7	6
1759	A closed-loop ventilation mode that targets the lowest work and force of breathing reduces the transpulmonary driving pressure in patients with moderate-to-severe ARDS. Intensive Care Medicine Experimental, 2023, 11, .	1.9	1
1760	First Stabilize and then Gradually Recruit: A Paradigm Shift in Protective Mechanical Ventilation for Acute Lung Injury. Journal of Clinical Medicine, 2023, 12, 4633.	2.4	6
1761	Broadening the Berlin definition of ARDS to patients receiving high-flow nasal oxygen: an observational study in patients with acute hypoxemic respiratory failure due to COVID-19. Annals of Intensive Care, 2023, 13, .	4.6	1
1762	Development and assessment of the performance of a shared ventilatory system that uses clinically available components to individualize tidal volumes. BMC Anesthesiology, 2023, 23, .	1.8	1
1763	Role of cardiopulmonary interactions in development of ventilator-induced lung injuryâ€”Experimental evidence and clinical Implications. Frontiers in Physiology, 0, 14, .	2.8	2
1764	Association of obesity paradox with prognosis of venoâ€venousâ€extracorporeal membrane oxygenation in patients with coronavirus disease 2019. Acute Medicine & Surgery, 2023, 10, .	1.2	1
1765	Management of severe acute respiratory distress syndrome: a primer. Critical Care, 2023, 27, .	5.8	4
1766	Setting the optimal positive end-expiratory pressure: a narrative review. Frontiers in Veterinary Science, 0, 10, .	2.2	0
1767	Extrakorporale Verfahren zur UnterstÃ¼tzung bei Lungenversagen. Springer Reference Medizin, 2023, , 1-9.	0.0	0
1768	Association between pediatric intensive care mortality and mechanical ventilation settings during extracorporeal membrane oxygenation for pediatric acute respiratory distress syndrome. European Journal of Pediatrics, 2023, 182, 4487-4497.	2.7	2
1769	Mechanical ventilation during pediatric extracorporeal life support. Current Opinion in Pediatrics, 0, , .	2.0	1

#	Article	IF	Citations
1770	Conducting Prospective Research as a Trainee: Experiences with the DRIVE-SAFE Study. ATS Scholar, 0, , .	1.3	0
1771	Lung elastance and PEEP level with lowest transpulmonary driving pressure can be determined by a rapid PEEP step procedure without esophageal pressure measurements. Critical Care, 2023, 27, .	5.8	0
1772	Dynamic lung aeration and strain with positive end-expiratory pressure individualized to maximal compliance versus ARDSNet low-stretch strategy: a study in a surfactant depletion model of lung injury. Critical Care, 2023, 27, .	5.8	3
1773	Heartâ€“Lung Interactions. Seminars in Respiratory and Critical Care Medicine, 0, , .	2.1	0
1774	Synchronized ventilation during resuscitation in pigs does not necessitate high inspiratory pressures to provide adequate oxygenation. World Journal of Emergency Medicine, 2023, 14, .	1.0	0
1775	Improved understanding of the respiratory drive pathophysiology could lead to earlier spontaneous breathing in severe acute respiratory distress syndrome. , 2023, 2, e0030.		1
1776	Time Controlled Adaptive Ventilation/Airway Pressure Release Ventilation Can be Used Effectively in Patients With or at High Risk of Acute Respiratory Distress Syndrome â€œTime is the Soul of the Worldâ€• Pythagoras. Critical Care Medicine, 0, , .	0.9	0
1777	Secondary analysis of preoperative predictors for acute postoperative exacerbation in interstitial lung disease. Scientific Reports, 2023, 13, .	3.3	0
1779	Failure of First Transition to Pressure Support Ventilation After Spontaneous Awakening Trials in Hypoxemic Respiratory Failure: Influence of COVID-19. , 2023, 5, e0968.		1
1780	Rationale of Noninvasive Ventilation. , 2023, , 3-14.		0
1782	Advanced respiratory mechanics assessment in mechanically ventilated obese and non-obese patients with or without acute respiratory distress syndrome. Critical Care, 2023, 27, .	5.8	5
1783	Mechanical ventilation in patients with acute respiratory distress syndrome: current status and future perspectives. Expert Review of Medical Devices, 2023, 20, 905-917.	2.8	2
1784	1-year survival rate of SARS-CoV-2 infected patients with acute respiratory distress syndrome based on ventilator types: a multi-center study. Scientific Reports, 2023, 13, .	3.3	0
1785	High driving pressure ventilation induces pulmonary hypertension in a rabbit model of acute lung injury. Journal of Intensive Care, 2023, 11, .	2.9	1
1786	Venovenous extracorporeal membrane oxygenation for COVID-19 and influenza H1N1 associated acute respiratory distress syndrome: A comparative cohort study in China. Journal of Intensive Medicine, 2023, 3, 326-334.	2.1	0
1788	Evaluation of the safety and efficacy of extracorporeal carbon dioxide removal in the critically ill using the PrismaLung+â€‰device. European Journal of Medical Research, 2023, 28, .	2.2	0
1789	The perinatal period should be considered in neonatal acute respiratory distress syndrome: comparison of the Montreux definition vs. the second pediatric acute lung injury consensus conference definition. Frontiers in Pediatrics, 0, 11, .	1.9	0
1790	Elastic power, a novel predictor of the severity and prognosis of ARDS. Journal of Critical Care, 2023, 78, 154380.	2.2	1

#	Article	IF	Citations
1791	Early transthoracic echocardiography and long-term mortality in moderate- to-severe acute respiratory distress syndrome: An analysis of the Medical Information Mart for Intensive Care database. Science Progress, 2023, 106, .	1.9	0
1792	Effect of intravenous vs. inhaled penehyclidine on respiratory mechanics in patients during one-lung ventilation for thoracoscopic surgery: a prospective, double-blind, randomised controlled trial. BMC Pulmonary Medicine, 2023, 23, .	2.0	0
1793	Use of positive end-expiratory pressure titration and recruitment maneuvers in pediatric intensive care unit â€“ A narrative review. Journal of Pediatric Critical Care, 2023, 10, 145.	0.0	0
1794	Methods for determination of optimal positive end-expiratory pressure: a protocol for a scoping review. BMJ Open, 2023, 13, e071871.	1.9	0
1795	Adherence to protective mechanical ventilation in COVID-19 versus non-COVID-19-associated acute respiratory distress syndrome: Comparison between two prospective cohorts. Medicina Intensiva, 2023, 47, 445-453.	0.7	1
1796	Subphenotypes of Acute Respiratory Distress Syndrome: Advancing Towards Precision Medicine. Tuberculosis and Respiratory Diseases, 0, , .	1.8	0
1797	Effects of three spontaneous ventilation modes on respiratory drive and muscle effort in COVID-19 pneumonia patients. BMC Pulmonary Medicine, 2023, 23, .	2.0	0
1798	Effect of driving pressure-guided positive end-expiratory pressure on postoperative pulmonary complications in patients undergoing laparoscopic or robotic surgery: a randomised controlled trial. British Journal of Anaesthesia, 2023, 131, 955-965.	3.4	0
1800	Dead-Space Ventilation Indices and Mortality: Finally Addressing the Other Reason We Breathe*. Critical Care Medicine, 2023, 51, 1442-1444.	0.9	0
1801	Effects of driving pressure-guided ventilation by individualized positive end-expiratory pressure on oxygenation undergoing robot-assisted laparoscopic radical prostatectomy: a randomized controlled clinical trial. Journal of Anesthesia, 2023, 37, 896-904.	1.7	1
1805	Management of Acute Respiratory Distress Syndrome. , 2023, , 1-21.		0
1807	Incidence, Outcomes, and Predictors of Subphenotypes of Acute Kidney Injury among Acute Respiratory Distress Syndrome Patients: A Prospective Observational Study. Indian Journal of Critical Care Medicine, 2023, 27, 724-731.	0.9	3
1808	A 20-year bibliometric analysis of postoperative pulmonary complications: 2003â€“2022. Heliyon, 2023, 9, e20580.	3.2	0
1809	Pronation Reveals a Heterogeneous Response of Global and Regional Respiratory Mechanics in Patients With Acute Hypoxemic Respiratory Failure. , 2023, 5, e0983.		2
1810	Beatmung. , 2023, , 53-69.		0
1811	Permissive Hypercapnia, Alveolar Recruitment and Low Airway Pressure (PHARLAP): a protocol for a phase 2 trial in patients with acute respiratory distress syndrome. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2018, 20, 139-149.	0.1	1
1812	Early time-course of respiratory mechanics, mechanical power and gas exchange in ARDS patients. Journal of Critical Care, 2024, 79, 154444.	2.2	3
1813	Early experience of a new extracorporeal carbon dioxide removal device for acute hypercapnic respiratory failure. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2016, 18, 261-269.	0.1	1

#	Article	IF	Citations
1814	â€œLikely overassistanceâ€•during invasive pressure support ventilation in patients in the intensive care unit: a multicentre prospective observational study. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2019, 21, 18-24.	0.1	0
1815	â€œLikely overassistanceâ€•during invasive pressure support ventilation in patients in the intensive care unit: a multicentre prospective observational study. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2019, 21, 18-31.	0.1	0
1817	Corticosteroids in adults with acute respiratory distress syndrome and severe pneumonia. BJA Education, 2023, , .	1.4	0
1818	Elevated Driving Pressure and Elastance Does Not Increase In-Hospital Mortality Among Obese and Severely Obese Patients With Ventilator Dependent Respiratory Failure. , 2022, 4, e0811.		0
1820	Sigh Breaths for Trauma Patients Receiving Mechanical Ventilation. JAMA - Journal of the American Medical Association, 0, , .	7.4	1
1822	Impact of a positive end-expiratory pressure strategy on oxygenation, respiratory compliance, and hemodynamics during laparoscopic surgery in non-obese patients: a systematic review and meta-analysis of randomized controlled trials. BMC Anesthesiology, 2023, 23, .	1.8	0
1823	Prognostic value of oxygen saturation index trajectory phenotypes on ICU mortality in mechanically ventilated patients: a multi-database retrospective cohort study. Journal of Intensive Care, 2023, 11, .	2.9	0
1824	Impact of Positive End-Expiratory Pressure and FiO₂ on Lung Mechanics and Intrapulmonary Shunt in Mechanically Ventilated Patients with ARDS Due to COVID-19 Pneumonia. Journal of Intensive Care Medicine, 0, , .	2.8	1
1825	Understanding the mechanisms of ventilator-induced lung injury using animal models. Intensive Care Medicine Experimental, 2023, 11, .	1.9	0
1826	Optimized ventilation power to avoid VILI. Journal of Intensive Care, 2023, 11, .	2.9	0
1827	The Association between Non-Invasive Ventilation and the Rate of Ventilator-Associated Pneumonia. Diseases (Basel, Switzerland), 2023, 11, 151.	2.5	0
1828	Neurally Adjusted Ventilatory Assist Versus Pressure Support Ventilation: A Comprehensive Review. Journal of Intensive Care Medicine, 0, , .	2.8	0
1829	Geoâ€“economic variations in care for invasively ventilated patients: The potential benefits of closedâ€“loop ventilation in resourceâ€“limited settings. Clinical Critical Care, 2023, , .	0.0	0
1830	Association between ventilatory ratio and mortality in patients with acute respiratory distress syndrome and COVID 19: A multicenter, retrospective cohort study. BMC Pulmonary Medicine, 2023, 23, .	2.0	1
1832	Effect of incremental PEEP titration on postoperative pulmonary complications in patients undergoing emergency laparotomy: a randomized controlled trial. Journal of Clinical Monitoring and Computing, 2024, 38, 445-454.	1.6	0
1833	Application of Lung Protective Ventilation Strategy in Prone Position Surgery. Advances in Clinical Medicine, 2023, 13, 18007-18013.	0.0	0
1834	Comprehensive study of mechanical power in controlled mechanical ventilation: Prevalence of elevated mechanical power and component analysis. Medicina Intensiva (English Edition), 2024, 48, 155-164.	0.2	0
1835	Positive end-expiratory pressure in the pediatric intensive care unit. Paediatric Respiratory Reviews, 2024, 49, 5-8.	1.8	1

#	Article	IF	Citations
1836	Ultra-low tidal volume ventilation during cardiopulmonary resuscitation shows no mitigating effect on pulmonary end-organ damage compared to standard ventilation: insights from a porcine model. Intensive Care Medicine Experimental, 2023, 11, .	1.9	0
1837	Principles and Management of ARDS. Lessons From the ICU, 2023, , 181-194.	0.1	0
1838	Estimation of inspiratory effort using airway occlusion maneuvers in ventilated children: a secondary analysis of an ongoing randomized trial testing a lung and diaphragm protective ventilation strategy. Critical Care, 2023, 27, .	5.8	0
1839	Visualizing the dynamic mechanical power and time burden of mechanical ventilation patients: an analysis of the MIMIC-IV database. Journal of Intensive Care, 2023, 11, .	2.9	0
1840	Kinetics of C-reactive protein during extracorporeal membrane oxygenation. International Journal of Artificial Organs, 0, , .	1.4	0
1841	International Survey on Mechanical Ventilation During Extracorporeal Membrane Oxygenation. ASAIO Journal, 0, , .	1.6	2
1842	The place of positive end expiratory pressure in ventilator-induced lung injury generation. Current Opinion in Critical Care, 2024, 30, 4-9.	3.2	0
1843	Setting positive end-expiratory pressure: does the â€˜best complianceâ€™ concept really work?. Current Opinion in Critical Care, 2024, 30, 20-27.	3.2	0
1844	State of the art: Monitoring of the respiratory system during veno-venous extracorporeal membrane oxygenation. Perfusion (United Kingdom), 2024, 39, 7-30.	1.0	1
1845	Impact of Supine Versus Semirecumbent Body Posture on the Distribution of Ventilation in Acute Respiratory Distress Syndrome. , 2023, 5, e1014.		0
1846	A comparative analysis of mechanical power and Its components in pressure-controlled ventilation mode and AVM-2 mode. Journal of Mechanical Ventilation, 2023, 4, 130-140.	0.1	0
1847	An Initial Investigation of Diaphragm Neurostimulation in Patients with Acute Respiratory Distress Syndrome. Anesthesiology, 2024, 140, 483-494.	2.5	1
1848	A combination of oxygenation and driving pressure can provide valuable information in predicting the risk of mortality in ARDS patients. PLoS ONE, 2023, 18, e0295261.	2.5	0
1849	Outcomes After Respiratory Extracorporeal Life Support in Teens and Young Adults: An Extracorporeal Life Support Organization Registry Analysis*. Critical Care Medicine, 2024, 52, 11-19.	0.9	1
1850	Mechanical power of mechanical ventilation: unnecessary or necessary parameter?. Anesteziologie A Intenzivni Medicina, 2023, 34, 165-171.	0.1	0
1851	Early association between respiratory mechanics and radiological changes in mechanically ventilated critically ill patients with COVID-19. Internal and Emergency Medicine, 0, , .	2.0	0
1852	Mechanistic and protective approach to ventilator-induced lung injury: A narrative review. Pediatric Respirology and Critical Care Medicine, 2023, 7, 82.	0.0	0
1853	Transesophageal Lung Ultrasound in Hypoxemic Patients With COVID-19. , 2024, 2, 100039.		0

#	Article	IF	Citations
1854	Pulmonary response prediction through personalized basis functions in a virtual patient model. Computer Methods and Programs in Biomedicine, 2024, 244, 107988.	4.7	0
1855	Survival and Long-Term Functional Status of COVID-19 Patients Requiring Prolonged Extracorporeal Membrane Oxygenation Support. Annals of the American Thoracic Society, 2024, 21, 449-455.	3.2	0
1856	Categorizing Acute Respiratory Distress Syndrome with Different Severities by Oxygen Saturation Index. Diagnostics, 2024, 14, 37.	2.6	0
1858	High Respiratory and Cardiac Drive Exacerbate Secondary Lung Injury in Patients With Critical Illness. Journal of Intensive Care Medicine, 0, , .	2.8	0
1859	Future directions of <scp>lungâ€protective</scp> ventilation strategies in acute respiratory distress syndrome. Acute Medicine & Surgery, 2024, 11, .	1.2	0
1860	Driving pressure of respiratory system and lung stress in mechanically ventilated patients with active breathing. Critical Care, 2024, 28, .	5.8	0
1862	Time-Controlled Adaptive Ventilation (TCAV): a personalized strategy for lung protection. Respiratory Research, 2024, 25, .	3.6	0
1863	Mechanical Ventilation, Past, Present, and Future. Anesthesia and Analgesia, 2024, 138, 308-325.	2.2	0
1864	The use of protective mechanical ventilation during extracorporeal membrane oxygenation for the treatment of acute respiratory failure. Perfusion (United Kingdom), 0, , .	1.0	0
1865	The Effect of Lower Tidal Volume Ventilation Facilitated by Extracorporeal Carbon Dioxide Removal Compared With Conventional Lung Protective Ventilation on Cardiac Function. , 2024, 6, e1028.		0
1866	Ventilator induced lung injury: a case for a larger umbrella?. Intensive Care Medicine, 2024, 50, 275-278.	8.2	0
1867	Association of elastic power in mechanical ventilation with the severity of acute respiratory distress syndrome: a retrospective study. European Journal of Medical Research, 2024, 29, .	2.2	0
1868	Novel Oxygenation and Saturation Indices for Mortality Prediction in COVID-19 ARDS Patients: The Impact of Driving Pressure and Mechanical Power. Journal of Intensive Care Medicine, 0, , .	2.8	0
1869	Adjustments of Ventilator Parameters during Operating Roomâ€"toâ€"ICU Transition and 28-Day Mortality. American Journal of Respiratory and Critical Care Medicine, 2024, 209, 553-562.	5.6	1
1870	Sedation management in the post-COVID era: A personalised, patient-orientated approach. Clinical Critical Care, 2024, , .	0.0	0
1871	Effects of a stepwise alveolar recruitment maneuver on lung volume distribution in dogs assessed by computed tomography. Frontiers in Veterinary Science, 0, 10, .	2.2	0
1872	Feasibility of Setting the Tidal Volume Based on End-Expiratory Lung Volume: A Pilot Clinical Study. , 2024, 6, e1031.		0
1873	Mechanical power and normalized mechanical power in pediatric acute respiratory distress syndrome. Frontiers in Pediatrics, 0, 12, .	1.9	0

#	Article	IF	Citations
1874	Noninvasive Ventilation Before Intubation and Mortality in Patients Receiving Extracorporeal Membrane Oxygenation for COVID-19: An Analysis of the Extracorporeal Life Support Organization Registry. ASAIO Journal, 0, , .	1.6	0
1876	Predictive performance of the variation rate of the driving pressure on the outcome of invasive mechanical ventilation in patients with acute respiratory distress syndrome. Chinese Journal of Traumatology - English Edition, 2024, 27, 107-113.	1.4	0
1877	Perioperative Care in Cardiac Surgery: A Joint Consensus Statement by the Enhanced Recovery After Surgery (ERAS) Cardiac Society, ERAS International Society, and The Society of Thoracic Surgeons (STS). Annals of Thoracic Surgery, 2024, 117, 669-689.	1.3	2
1878	Changes in Driving Pressure vs Oxygenation as Predictor of Mortality in Moderate to Severe Acute Respiratory Distress Syndrome Patients Receiving Prone Position Ventilation. Indian Journal of Critical Care Medicine, 2024, 28, 134-140.	0.9	0
1879	Ventilator Management on ECMO. , 2024, , 191-200.		0
1880	Acute Respiratory Failure in Severe Acute Brain Injury. Critical Care Clinics, 2024, 40, 367-390.	2.6	0
1881	A review of intraoperative protective ventilation. , 2024, 2, .		0
1882	Lower body mass index is an independent predictor of mortality in older patients with acute respiratory distress syndrome. Heliyon, 2024, 10, e25749.	3.2	0
1883	Invasive Mechanical Ventilation. Critical Care Clinics, 2024, 40, 255-273.	2.6	0
1884	Different ventilation intensities among various categories of patients ventilated for reasons other than ARDSâ€“â€“A pooled analysis of 4 observational studies. Journal of Critical Care, 2024, 81, 154531.	2.2	0
1885	Tidal volume in mechanically ventilated patients: Searching for Cinderellaâ€™s shoe rather than 6â€‰mL/kg for all. Anaesthesia, Critical Care & Pain Medicine, 2024, 43, 101356.	1.4	0
1886	Ventilation in the Trauma Patient: A Practical Approach. , 2023, , 109-117.		0
1888	Comprehensive study of mechanical power in controlled mechanical ventilation: Prevalence of elevated mechanical power and component analysis. Medicina Intensiva, 2024, 48, 155-164.	0.7	0
1889	EvoluÃ§Ã£o ClÃnica e Fatores PrognÃ³sticos de Pacientes OncolÃ³gicos com Covid-19 em VentilaÃ§Ã£o MecÃ¢nica. Revista Brasileira De Cancerologia, 2023, 70, .	0.3	0
1890	Intraoperative mechanical power and postoperative pulmonary complications in low-risk surgical patients: a prospective observational cohort study. BMC Anesthesiology, 2024, 24, .	1.8	0
1891	Lung- and diaphragm-protective strategies in acute respiratory failure: an in silico trial. Intensive Care Medicine Experimental, 2024, 12, .	1.9	0
1892	Ubiquity of models describing inspiratory effort dynamics in patients on pressure support ventilation. IFAC Journal of Systems and Control, 2024, 27, 100250.	1.7	0
1893	Individual PEEP in Obesity: Comment. Anesthesiology, 2024, 140, 1050-1051.	2.5	0

#	Article	IF	Citations
1894	Using Artificial Intelligence to Predict Mechanical Ventilation Weaning Success in Patients with Respiratory Failure, Including Those with Acute Respiratory Distress Syndrome. Journal of Clinical Medicine, 2024, 13, 1505.	2.4	0
1895	Cyclic energy: the transcendental relevance of respiratory rate. A retrospective observational study with Bayesian analysis. Journal of Mechanical Ventilation, 2024, 5, 1-10.	0.1	0
1896	Driving pressure in mechanical ventilation: A review. World Journal of Critical Care Medicine, 0, 13, .	1.8	0
1897	Investigating the Association Between Dynamic Driving Pressure and Mortality in COVID-19-Related Acute Respiratory Distress Syndrome: A Joint Modeling Approach Using Real-Time Continuously-Monitored Ventilation Data. , 2024, 6, e1043.		0
1898	Individualised flow-controlled ventilation reduces applied mechanical power and improves ventilation efficiency in a porcine intra-abdominal hypertension model. Intensive Care Medicine Experimental, 2024, 12, .	1.9	0
1899	Comparison of volume-controlled ventilation, pressure-controlled ventilation and pressure-controlled ventilation-volume guaranteed in infants and young children in the prone position: A prospective randomized study. Journal of Clinical Anesthesia, 2024, 95, 111440.	1.6	0
1900	Effects of prone positioning on lung mechanical power components in patients with acute respiratory distress syndrome: a physiologic study. Critical Care, 2024, 28, .	5.8	0
1902	Guide to Lung-Protective Ventilation in Cardiac Patients. Journal of Cardiac Failure, 2024, , .	1.7	0
1903	Electrical impedance tomography-guided positive end-expiratory pressure titration in ARDS: a systematic review and meta-analysis. Intensive Care Medicine, 2024, 50, 617-631.	8.2	0
1904	Estimation of the transpulmonary pressure from the central venous pressure in mechanically ventilated patients. Journal of Clinical Monitoring and Computing, 0, , .	1.6	0
1905	Quantifiable identification of flow-limited ventilator dyssynchrony with the deformed lung ventilator model. Computers in Biology and Medicine, 2024, 173, 108349.	7.0	0