

Mechanical Ventilationâ€™induced Diaphragm Atrophy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Is my patient's respiratory drive (too) high?. Intensive Care Medicine, 2018, 44, 1936-1939.	3.9	52
2	Diaphragm Dysfunction during Weaning from Mechanical Ventilation: An Underestimated Phenomenon with Clinical Implications. Annual Update in Intensive Care and Emergency Medicine, 2018, , 231-243.	0.1	1
3	Progressive Diaphragm Atrophy in Pediatric Acute Respiratory Failure*. Pediatric Critical Care Medicine, 2018, 19, 406-411.	0.2	65
4	The airway occlusion pressure (P0.1) to monitor respiratory drive during mechanical ventilation: increasing awareness of a not-so-new problem. Intensive Care Medicine, 2018, 44, 1532-1535.	3.9	69
5	High Positive End-Expiratory Pressure Renders Spontaneous Effort Noninjurious. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1285-1296.	2.5	156
6	Diaphragm dysfunction during weaning from mechanical ventilation: an underestimated phenomenon with clinical implications. Critical Care, 2018, 22, 73.	2.5	88
7	Esophageal pressure monitoring. Current Opinion in Critical Care, 2018, 24, 216-222.	1.6	30
8	Understanding spontaneous vs. ventilator breaths: impact and monitoring. Intensive Care Medicine, 2018, 44, 2235-2238.	3.9	25
9	Dexmedetomidine Impairs Diaphragm Function and Increases Oxidative Stress but Does Not Aggravate Diaphragmatic Atrophy in Mechanically Ventilated Rats. Anesthesiology, 2018, 128, 784-795.	1.3	10
10	Diaphragm-Protective Mechanical Ventilation to Improve Outcomes in ICU Patients?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 150-152.	2.5	38
11	The authors reply. Pediatric Critical Care Medicine, 2018, 19, 914.	0.2	0
12	Assessing breathing effort in mechanical ventilation: physiology and clinical implications. Annals of Translational Medicine, 2018, 6, 387-387.	0.7	53
13	Proportional modes versus pressure support ventilation: a systematic review and meta-analysis. Annals of Intensive Care, 2018, 8, 123.	2.2	25
14	Ventilatory support after extubation in critically ill patients. Lancet Respiratory Medicine, the, 2018, 6, 948-962.	5.2	39
15	Ventilator-induced diaphragm dysfunction in critical illness. Experimental Biology and Medicine, 2018, 243, 1331-1339.	1.1	12
16	Measurement of Diaphragmatic Electrical Activity by Surface Electromyography in Intubated Subjects and Its Relationship With Inspiratory Effort. Respiratory Care, 2018, 63, 1341-1349.	0.8	37
17	Probing Deeper Into the Diaphragm in Children. Pediatric Critical Care Medicine, 2018, 19, 913-914.	0.2	2
18	Muscle atrophy in mechanically-ventilated critically ill children. PLoS ONE, 2018, 13, e0207720.	1.1	65

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19	Diaphragm Weakness in the Critically Ill. <i>Chest</i> , 2018, 154, 1395-1403.	0.4	44
20	Estimation of the diaphragm neuromuscular efficiency index in mechanically ventilated critically ill patients. <i>Critical Care</i> , 2018, 22, 238.	2.5	39
21	Weaning from Mechanical Ventilation in ARDS: Aspects to Think about for Better Understanding, Evaluation, and Management. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	18
22	Positive Pressure Ventilation in the Cardiac Intensive Care Unit. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1532-1553.	1.2	122
23	Imposed Work of Breathing During High-Frequency Oscillation: I Don't Mean to Impose it. <i>Respiratory Care</i> , 2018, 63, 1191-1193.	0.8	1
24	Weaning from Mechanical Ventilation. <i>Anesthesiology</i> , 2018, 129, 394-395.	1.3	1
25	The Signaling Network Resulting in Ventilator-induced Diaphragm Dysfunction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 417-427.	1.4	26
26	Dynamic data monitoring improves predictive analytics for failed extubation in the ICU. <i>Physiological Measurement</i> , 2018, 39, 075005.	1.2	6
27	Diaphragm plasticity in aging and disease: therapies for muscle weakness go from strength to strength. <i>Journal of Applied Physiology</i> , 2018, 125, 243-253.	1.2	22
28	Acetylcholine receptor antagonists in acute respiratory distress syndrome: much more than muscle relaxants. <i>Critical Care</i> , 2018, 22, 132.	2.5	1
29	The patient needing prolonged mechanical ventilation: a narrative review. <i>Multidisciplinary Respiratory Medicine</i> , 2018, 13, 6.	0.6	56
30	Avoiding Respiratory and Peripheral Muscle Injury During Mechanical Ventilation. <i>Critical Care Clinics</i> , 2018, 34, 357-381.	1.0	21
31	Extubation of patients undergoing extracorporeal life support. A retrospective study. <i>Perfusion (United Kingdom)</i> , 2019, 34, 50-57.	0.5	31
32	Spontaneous Breathing in Early Acute Respiratory Distress Syndrome: Insights From the Large Observational Study to UNderstand the Global Impact of Severe Acute Respiratory Failure Study*. <i>Critical Care Medicine</i> , 2019, 47, 229-238.	0.4	68
33	Abdominal functional electrical stimulation to assist ventilator weaning in critical illness: a double-blinded, randomised, sham-controlled pilot study. <i>Critical Care</i> , 2019, 23, 261.	2.5	22
34	Ventilator-induced diaphragm dysfunction: translational mechanisms lead to therapeutical alternatives in the critically ill. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 48.	0.9	34
35	Respiratory Muscle Assessment in Clinical Practice. <i>Clinics in Chest Medicine</i> , 2019, 40, 307-315.	0.8	7
36	Monitoring patient-ventilator breath contribution in the critically ill during neurally adjusted ventilatory assist: reliability and improved algorithms for bedside use. <i>Journal of Applied Physiology</i> , 2019, 127, 264-271.	1.2	7

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37	Probability of benefit with the use of neuromuscular blockade in patients with acute respiratory distress syndrome. <i>Journal of Thoracic Disease</i> , 2019, 11, 3676-3680.	0.6	0
38	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. <i>Critical Care</i> , 2019, 23, 346.	2.5	104
39	A narrative review of diaphragm ultrasound to predict weaning from mechanical ventilation: where are we and where are we heading?. <i>Ultrasound Journal</i> , 2019, 11, 2.	1.3	33
40	Information conveyed by electrical diaphragmatic activity during unstressed, stressed and assisted spontaneous breathing: a physiological study. <i>Annals of Intensive Care</i> , 2019, 9, 89.	2.2	28
41	Diaphragmatic Ultrasound Assessment in Subjects With Acute Hypercapnic Respiratory Failure Admitted to the Emergency Department. <i>Respiratory Care</i> , 2019, 64, 1469-1477.	0.8	51
42	Awake extracorporeal membrane oxygenation in immunosuppressed patients with severe respiratory failure—a stretch too far?. <i>Journal of Thoracic Disease</i> , 2019, 11, 2656-2659.	0.6	1
43	Effects of levosimendan on respiratory muscle function in patients weaning from mechanical ventilation. <i>Intensive Care Medicine</i> , 2019, 45, 1372-1381.	3.9	20
44	Temporary transvenous diaphragm pacing vs. standard of care for weaning from mechanical ventilation: study protocol for a randomized trial. <i>Trials</i> , 2019, 20, 60.	0.7	18
45	The time-controlled adaptive ventilation protocol: mechanistic approach to reducing ventilator-induced lung injury. <i>European Respiratory Review</i> , 2019, 28, 180126.	3.0	21
46	Acute Respiratory Distress Syndrome: Respiratory Monitoring and Pulmonary Physiology. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019, 40, 066-080.	0.8	9
47	Diaphragm thickening in cardiac surgery: a perioperative prospective ultrasound study. <i>Annals of Intensive Care</i> , 2019, 9, 50.	2.2	29
48	Diaphragm contractile weakness due to reduced mechanical loading: role of titin. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C167-C176.	2.1	35
49	Physiotherapeutic Management of Critically Ill Neurological Patients. , 2019, , 261-275.		1
50	Patientâ€“Clinician Alliance during Prolonged Mechanical Ventilation. â€œNever Give Up on a Dreamâ€•. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1453-1454.	2.5	2
51	European Respiratory Society International Congress 2018: highlights from Assembly 2 on respiratory intensive care. <i>ERJ Open Research</i> , 2019, 5, 00198-2018.	1.1	3
52	Update in Critical Care and Acute Respiratory Distress Syndrome 2018. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1335-1343.	2.5	2
53	Use of Levosimendan in Intensive Care Unit Settings: An Opinion Paper. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 73, 3-14.	0.8	36
54	Noninvasive Ventilation in Unplanned Endotracheal Extubation: Just a Little Help From My Friend?. <i>Respiratory Care</i> , 2019, 64, 352-354.	0.8	0

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55	The evolution of diaphragm activity and function determined by ultrasound during spontaneous breathing trials. <i>Journal of Critical Care</i> , 2019, 51, 133-138.	1.0	14
56	Myotrauma in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2019, 45, 881-884.	3.9	12
57	Dysfonction musculaire en réanimation. <i>Revue Des Maladies Respiratoires Actualites</i> , 2019, 11, 159-163.	0.0	0
58	Respective contribution of intensive care unit-acquired limb muscle and severe diaphragm weakness on weaning outcome and mortality: a post hoc analysis of two cohorts. <i>Critical Care</i> , 2019, 23, 370.	2.5	43
59	Prolonged ventilation and postnatal growth of preterm infants. <i>Journal of Perinatal Medicine</i> , 2019, 48, 82-86.	0.6	5
61	Cardiovascular and Pulmonary Research: The Year (2018) in Review. <i>Cardiopulmonary Physical Therapy Journal</i> , 2019, 30, 106-114.	0.2	1
62	Extracorporeal Carbon Dioxide Removal in the Management of Complex Bilateral Flail Chest Injury. <i>ASAIO Journal</i> , 2019, 65, e75-e77.	0.9	2
63	Critical Ultrasounds: a foreword. <i>Journal of Emergency and Critical Care Medicine</i> , 0, 3, 62-62.	0.7	0
64	Atrophy of Diaphragm and Pectoral Muscles in Critically Ill Patients. <i>Anesthesiology</i> , 2019, 131, 569-579.	1.3	21
65	Lung- and Diaphragm-protective Ventilation in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 130, 620-633.	1.3	24
66	Driving Pressure Is Associated with Outcome during Assisted Ventilation in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 131, 594-604.	1.3	71
67	Impact of spontaneous breathing during mechanical ventilation in acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2019, 25, 192-198.	1.6	61
68	Hemorrhagic Shock Sensitized the Diaphragm to Ventilator-Induced Dysfunction through the Activation of IL-6/JAK/STAT Signaling-Mediated Autophagy in Rats. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	1.4	13
69	Beyond Ventilator-induced Diaphragm Dysfunction. <i>Anesthesiology</i> , 2019, 131, 462-463.	1.3	8
70	Change in diaphragm and intercostal muscle thickness in mechanically ventilated patients: a prospective observational ultrasonography study. <i>Journal of Intensive Care</i> , 2019, 7, 56.	1.3	34
71	The Injurious Effects of Elevated or Nonelevated Respiratory Rate during Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 149-157.	2.5	45
72	Bedside respiratory physiology to detect risk of lung injury in acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2019, 25, 3-11.	1.6	12
73	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. <i>Lancet Respiratory Medicine</i> , 2019, 7, 90-98.	5.2	139

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74	ICU Admission Muscle and Fat Mass, Survival, and Disability at Discharge. <i>Chest</i> , 2019, 155, 322-330.	0.4	53
75	Diaphragm-protective mechanical ventilation. <i>Current Opinion in Critical Care</i> , 2019, 25, 77-85.	1.6	54
76	Ultrasound Imaging for Diaphragm Dysfunction: A Narrative Literature Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2525-2536.	0.6	72
77	Long-Term Outcome after Prolonged Mechanical Ventilation. A Long-Term Acute-Care Hospital Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1508-1516.	2.5	61
78	Guiding ventilation with transpulmonary pressure. <i>Intensive Care Medicine</i> , 2019, 45, 535-538.	3.9	14
79	Respiratory Drive in Critically Ill Patients. Pathophysiology and Clinical Implications. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 20-32.	2.5	151
80	Validation of a Proposed Algorithm for Assistance Titration During Proportional Assist Ventilation With Load-Adjustable Gain Factors. <i>Respiratory Care</i> , 2020, 65, 36-44.	0.8	3
81	Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. Research and Practice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 514-525.	2.5	105
82	Diaphragmatic Pacing Diagnosed with Point-of-Care Ultrasound. <i>American Journal of Medicine</i> , 2020, 133, e151-e152.	0.6	0
83	A Phase II randomized controlled trial for lung and diaphragm protective ventilation (Real-time Effort) Tj ETQq1 1 0.784314 rgBT /Ove 0.8 17	0.8	17
84	Diaphragm protection: what should we target?. <i>Current Opinion in Critical Care</i> , 2020, 26, 35-40.	1.6	19
85	NAVA and PAV+ for lung and diaphragm protection. <i>Current Opinion in Critical Care</i> , 2020, 26, 41-46.	1.6	18
86	Lung protection in acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2020, 26, 26-34.	1.6	8
87	Techniques to monitor respiratory drive and inspiratory effort. <i>Current Opinion in Critical Care</i> , 2020, 26, 3-10.	1.6	25
88	Sedation with midazolam worsens the diaphragm function than dexmedetomidine and propofol during mechanical ventilation in rats. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109405.	2.5	5
89	Monitoring diaphragm function in the ICU. <i>Current Opinion in Critical Care</i> , 2020, 26, 18-25.	1.6	40
90	Lung and Diaphragm Protection during Noninvasive Respiratory Support. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 875-876.	2.5	1
91	Abnormal Sleep, Circadian Rhythm Disruption, and Delirium in the ICU: Are They Related?. <i>Frontiers in Neurology</i> , 2020, 11, 549908.	1.1	43

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92	Ventilator Liberation in the Pediatric ICU. <i>Respiratory Care</i> , 2020, 65, 1601-1610.	0.8	20
93	COVID-19 and Respiratory System Disorders. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2586-2597.	1.1	110
94	Investigating Ketone Bodies as Immunometabolic Countermeasures against Respiratory Viral Infections. <i>Med</i> , 2020, 1, 43-65.	2.2	40
95	Ultrasound shear wave elastography for assessing diaphragm function in mechanically ventilated patients: a breath-by-breath analysis. <i>Critical Care</i> , 2020, 24, 669.	2.5	18
96	Mitochondrial Function and Protein Turnover in the Diaphragm are Altered in LLC Tumor Model of Cancer Cachexia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7841.	1.8	9
97	Breath-synchronized electrical stimulation of the expiratory muscles in mechanically ventilated patients: a randomized controlled feasibility study and pooled analysis. <i>Critical Care</i> , 2020, 24, 628.	2.5	9
98	The effectiveness of electromyographic and acceleromyographic-based neuromuscular monitoring in ventilated ICU patients. <i>European Journal of Anaesthesiology</i> , 2020, 37, 949-950.	0.7	0
99	Diaphragm Atrophy During Pediatric Acute Respiratory Failure Is Associated With Prolonged Noninvasive Ventilation Requirement Following Extubation. <i>Pediatric Critical Care Medicine</i> , 2020, 21, e672-e678.	0.2	18
101	Ultrasound variations of diaphragm activity between prone position versus supine position in ventilated patients: a cross-sectional comparative study. <i>Journal of Ultrasound</i> , 2020, 24, 447-455.	0.7	4
102	Extracorporeal carbon dioxide removal may prevent the need for extracorporeal membrane oxygenation in severe respiratory failure. <i>European Journal of Anaesthesiology</i> , 2020, 37, 950-952.	0.7	1
104	Diaphragmatic atrophy and dysfunction in critically ill mechanically ventilated children. <i>Pediatric Pulmonology</i> , 2020, 55, 3457-3464.	1.0	15
105	A prospective observational study on critically ill children with diaphragmatic dysfunction: clinical outcomes and risk factors. <i>BMC Pediatrics</i> , 2020, 20, 422.	0.7	14
106	Urinary Titin Is a Novel Biomarker for Muscle Atrophy in Nonsurgical Critically Ill Patients: A Two-Center, Prospective Observational Study. <i>Critical Care Medicine</i> , 2020, 48, 1327-1333.	0.4	22
107	Diaphragm dysfunction prior to intubation in a patient with Covid-19 pneumonia; assessment by point of care ultrasound and potential implications for patient monitoring. <i>Respiratory Medicine Case Reports</i> , 2020, 31, 101284.	0.2	13
108	Impact of frailty on protocol-based weaning from mechanical ventilation in patients with sepsis: a retrospective cohort study. <i>Acute Medicine & Surgery</i> , 2020, 7, e608.	0.5	3
109	Myorelaxants in ARDS patients. <i>Intensive Care Medicine</i> , 2020, 46, 2357-2372.	3.9	30
110	The Use of Diaphragm Ultrasonography in Pulmonary Physiotherapy of COPD Patients: A Literature Review. <i>Journal of Clinical Medicine</i> , 2020, 9, 3525.	1.0	7
111	Clinical strategies for implementing lung and diaphragm-protective ventilation: avoiding insufficient and excessive effort. <i>Intensive Care Medicine</i> , 2020, 46, 2314-2326.	3.9	105

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112	Monitoring of Respiratory Muscle Function in Critically Ill Children. <i>Pediatric Critical Care Medicine</i> , 2020, 21, e282-e290.	0.2	5
113	Respiratory Neurophysiology in Intensive Care Unit. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 208-210.	0.9	0
114	ICU outcomes can be predicted by noninvasive muscle evaluation: a meta-analysis. <i>European Respiratory Journal</i> , 2020, 56, 1902482.	3.1	16
115	Muscle atrophy in critically ill patientsâ€¦â€¦a review of its cause, evaluation, and prevention. <i>Journal of Medical Investigation</i> , 2020, 67, 1-10.	0.2	20
116	Physiopathological mechanisms of diaphragmatic dysfunction associated with mechanical ventilation. <i>Revista EspaÃ±ola De AnestesiologÃa Y ReanimaciÃ³n (English Edition)</i> , 2020, 67, 195-203.	0.1	2
117	Noninvasive Ventilation for <i>De Novo</i> Respiratory Failure: Impact of Ventilator Setting Adjustments. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 769-770.	2.5	6
118	Clinical Application of Ultrasound in Intensive Care Unit-Acquired Weakness. <i>Ultraschall in Der Medizin</i> , 2020, 41, 244-266.	0.8	10
119	Esophageal Manometry. <i>Respiratory Care</i> , 2020, 65, 772-792.	0.8	25
120	Lung Volume Measurement and Ventilation Distribution During Invasive Mechanical Ventilation. <i>Respiratory Care</i> , 2020, 65, 760-771.	0.8	3
121	Assessing Diaphragmatic Function. <i>Respiratory Care</i> , 2020, 65, 807-819.	0.8	23
122	Temporary Transvenous Diaphragmatic Neurostimulation in Prolonged Mechanically Ventilated Patients: A Feasibility Trial (RESCUE 1). , 2020, 2, e0106.		9
123	Echocardiography in Pandemic: Front-Line Perspective, Expanding Role of Ultrasound, and Ethics of Resource Allocation. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 683-689.	1.2	24
124	Lung- and Diaphragm-Protective Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 950-961.	2.5	166
125	Inadequate Assessment of Patientâ€™ Ventilator Interaction Due to Suboptimal Diaphragm Electrical Activity Signal Filtering. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 141-144.	2.5	7
126	Maintenance of spontaneous breathing at an intensity of 60%â€“80% may effectively prevent mechanical ventilation-induced diaphragmatic dysfunction. <i>PLoS ONE</i> , 2020, 15, e0229944.	1.1	2
127	Lung Ultrasonography and Cardiac Surgery: A Narrative Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 3113-3124.	0.6	10
128	Airway Occlusion Pressure Revisited. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1027-1028.	2.5	3
129	Physiology of the Respiratory Drive in ICU Patients: Implications for Diagnosis and Treatment. <i>Critical Care</i> , 2020, 24, 104.	2.5	48

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130	Monitoring Patient Respiratory Effort During Mechanical Ventilation: Lung and Diaphragm-Protective Ventilation. <i>Critical Care</i> , 2020, 24, 106.	2.5	67
131	Respiratory Muscle Rehabilitation in Patients with Prolonged Mechanical Ventilation: A Targeted Approach. <i>Critical Care</i> , 2020, 24, 103.	2.5	36
132	Assisted mechanical ventilation promotes recovery of diaphragmatic thickness in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2020, 24, 85.	2.5	15
133	Assessment of spontaneous breathing during pressure controlled ventilation with superimposed spontaneous breathing using respiratory flow signal analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 859-868.	0.7	1
134	Sigh maneuver protects healthy lungs during mechanical ventilation in adult Wistar rats. <i>Experimental Biology and Medicine</i> , 2020, 245, 1404-1413.	1.1	13
135	Airway Occlusion Pressure As an Estimate of Respiratory Drive and Inspiratory Effort during Assisted Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1086-1098.	2.5	91
136	Association of Low Baseline Diaphragm Muscle Mass With Prolonged Mechanical Ventilation and Mortality Among Critically Ill Adults. <i>JAMA Network Open</i> , 2020, 3, e1921520.	2.8	52
137	Is diaphragmatic dysfunction a major problem following mechanical ventilation?. , 2020, , 82-89.e1.		0
138	What is the best mechanical ventilation strategy in ARDS?. , 2020, , 109-120.e1.		1
139	Transitional Percentage of Minute Volume as a Novel Predictor of Weaning from Mechanical Ventilation in Patients with Chronic Respiratory Failure. <i>Asian Nursing Research</i> , 2020, 14, 30-35.	0.7	1
140	Lung-protective ventilation worsens ventilator-induced diaphragm atrophy and weakness. <i>Respiratory Research</i> , 2020, 21, 16.	1.4	10
141	Respiratory muscle ultrasonography: methodology, basic and advanced principles and clinical applications in ICU and ED patients—a narrative review. <i>Intensive Care Medicine</i> , 2020, 46, 594-605.	3.9	133
142	Is Mitochondrial Oxidative Stress the Key Contributor to Diaphragm Atrophy and Dysfunction in Critically Ill Patients?. <i>Critical Care Research and Practice</i> , 2020, 2020, 1-10.	0.4	11
143	The validity of surface EMG of extra-diaphragmatic muscles in assessing respiratory responses during mechanical ventilation: A systematic review. <i>Pulmonology</i> , 2020, 26, 378-385.	1.0	12
144	Diaphragmatic dysfunction in patients with acute ischemic stroke and mechanical ventilation. <i>Critical Care</i> , 2020, 24, 127.	2.5	0
145	A physiology-based mathematical model for the selection of appropriate ventilator controls for lung and diaphragm protection. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 363-378.	0.7	7
146	Lung, Heart, Vascular, and Diaphragm Ultrasound Examination of COVID-19 Patients: A Comprehensive Approach. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1866-1874.	0.6	60
147	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS. <i>Chest</i> , 2021, 159, 1426-1436.	0.4	16

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148	Identifying Subjects at Risk for Diaphragm Atrophy During Mechanical Ventilation Using Routinely Available Clinical Data. <i>Respiratory Care</i> , 2021, 66, 551-558.	0.8	10
149	Sepsis and the muscle tissue. A narrative review. <i>Romanian Journal of Internal Medicine = Revue Roumaine De Medecine Interne</i> , 2021, 59, 218-226.	0.3	3
150	Diaphragm Dysfunction as a Determinant of Persisting Dyspnoea in Patients One Year after Invasive Mechanical Ventilation Due to COVID-19 Related ARDS. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
151	Effectiveness of External Diaphragm Pacing on Ventilator-Related Diaphragm Dysfunction. <i>Advances in Clinical Medicine</i> , 2021, 11, 1889-1894.	0.0	0
152	Ventilator-Induced Diaphragm Dysfunction. , 2021, , 289-300.		0
153	Respiratory Mechanics. , 2021, , 35-125.		0
154	The effect of high-flow nasal cannula on diaphragm dysfunction including paradoxical diaphragmatic contraction in the intensive care unit. <i>Journal of Medical Investigation</i> , 2021, 68, 159-164.	0.2	2
155	Clinical Applications of High-Flow Nasal Cannula during Intubation and Weaning from Mechanical Ventilation. , 2021, , 81-99.		0
156	Extracorporeal Gas Exchange for Acute Respiratory Distress Syndrome: Open Questions, Controversies and Future Directions. <i>Membranes</i> , 2021, 11, 172.	1.4	9
157	Use of Either Non-invasive Ventilation Immediately Post-extubation or Controlled Mechanical Ventilation for One Hour after Fulfilling Weaning Criteria Decreases Re-intubation of Patients with Post-traumatic ARDS. <i>Open Anesthesia Journal</i> , 2021, 15, 7-19.	0.2	2
158	Diaphragm echodensity in mechanically ventilated patients: a description of technique and outcomes. <i>Critical Care</i> , 2021, 25, 64.	2.5	18
159	Urinary Titin N-Fragment as a Biomarker of Muscle Atrophy, Intensive Care Unit-Acquired Weakness, and Possible Application for Post-Intensive Care Syndrome. <i>Journal of Clinical Medicine</i> , 2021, 10, 614.	1.0	9
160	Non-invasive method to detect high respiratory effort and transpulmonary driving pressures in COVID-19 patients during mechanical ventilation. <i>Annals of Intensive Care</i> , 2021, 11, 26.	2.2	17
161	Automated detection and quantification of reverse triggering effort under mechanical ventilation. <i>Critical Care</i> , 2021, 25, 60.	2.5	27
162	Oxygen administration for patients with ARDS. <i>Journal of Intensive Care</i> , 2021, 9, 17.	1.3	17
163	Ultrasound assessment of ventilator-induced diaphragmatic dysfunction in mechanically ventilated pediatric patients. <i>Paediatric Respiratory Reviews</i> , 2021, 40, 58-64.	1.2	17
164	Decline in diaphragm thickness and clinical outcomes among patients with sepsis. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2021, 50, 284-291.	0.8	9
165	Expiratory Muscles, Neglected No More. <i>Anesthesiology</i> , 2021, 134, 680-682.	1.3	0

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166	Prone Positioning in Spontaneously Breathing Subjects With Moderate or Severe ARDS During Invasive Ventilation. <i>Respiratory Care</i> , 2021, 66, 724-732.	0.8	3
167	Changes in Respiratory Muscle Thickness during Mechanical Ventilation: Focus on Expiratory Muscles. <i>Anesthesiology</i> , 2021, 134, 748-759.	1.3	28
168	Five-year outcome of respiratory muscle weakness at intensive care unit discharge: secondary analysis of a prospective cohort study. <i>Thorax</i> , 2021, 76, 561-567.	2.7	11
169	Ultrasound and non-ultrasound imaging techniques in the assessment of diaphragmatic dysfunction. <i>BMC Pulmonary Medicine</i> , 2021, 21, 85.	0.8	57
170	Early rehabilitation relieves diaphragm dysfunction induced by prolonged mechanical ventilation: a randomised control study. <i>BMC Pulmonary Medicine</i> , 2021, 21, 106.	0.8	18
171	Estimation of change in pleural pressure in assisted and unassisted spontaneous breathing pediatric patients using fluctuation of central venous pressure: A preliminary study. <i>PLoS ONE</i> , 2021, 16, e0247360.	1.1	4
172	Diaphragmatic Kinetics Assessment by Tissue Doppler Imaging and Extubation Outcome. <i>Respiratory Care</i> , 2021, 66, 983-993.	0.8	11
173	Diaphragm function in acute respiratory failure and the potential role of phrenic nerve stimulation. <i>Current Opinion in Critical Care</i> , 2021, 27, 282-289.	1.6	3
174	Transcutaneous electrical diaphragmatic stimulation reduces the duration of invasive mechanical ventilation in patients with cervical spinal cord injury: retrospective case series. <i>Spinal Cord Series and Cases</i> , 2021, 7, 26.	0.3	13
175	Combined Diaphragm and Limb Muscle Atrophy Is Associated With Increased Mortality in Mechanically Ventilated Patients: A Pilot Study. <i>Archivos De Bronconeumologia</i> , 2021, 57, 377-379.	0.4	0
176	Diagnostic accuracy of diaphragm ultrasound to predict weaning outcome: A systematic review and meta-analysis. <i>International Journal of Nursing Studies</i> , 2021, 117, 103890.	2.5	25
177	Combined Diaphragm and Limb Muscle Atrophy Is Associated With Increased Mortality in Mechanically Ventilated Patients: A Pilot Study. <i>Archivos De Bronconeumologia</i> , 2021, 57, 377-379.	0.4	3
178	Evaluation of the effect of high protein supply on diaphragm atrophy in critically ill patients receiving prolonged mechanical ventilation. <i>Nutrition in Clinical Practice</i> , 2022, 37, 402-412.	1.1	6
179	Diaphragm thickening fraction predicts noninvasive ventilation outcome: a preliminary physiological study. <i>Critical Care</i> , 2021, 25, 219.	2.5	20
180	Evolution of inspiratory muscle function in children during mechanical ventilation. <i>Critical Care</i> , 2021, 25, 229.	2.5	10
182	Neurally adjusted ventilatory assist as a weaning mode for adults with invasive mechanical ventilation: a systematic review and meta-analysis. <i>Critical Care</i> , 2021, 25, 222.	2.5	11
183	Flow Index: a novel, non-invasive, continuous, quantitative method to evaluate patient inspiratory effort during pressure support ventilation. <i>Critical Care</i> , 2021, 25, 196.	2.5	9
184	A narrative review of diaphragmatic ultrasound in pediatric critical care. <i>Pediatric Pulmonology</i> , 2021, 56, 2471-2483.	1.0	21

#	ARTICLE	IF	CITATIONS
185	Mechanical power normalized to lung-thorax compliance predicts prolonged ventilation weaning failure: a prospective study. BMC Pulmonary Medicine, 2021, 21, 202.	0.8	10
186	Measuring and Monitoring Skeletal Muscle Mass after Stroke: A Review of Current Methods and Clinical Applications. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105736.	0.7	12
187	Effect of Lowering $V_{T,scv}$ on Mortality in Acute Respiratory Distress Syndrome Varies with Respiratory System Elastance. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1378-1385.	2.5	118
188	Patient-Self Inflicted Lung Injury: A Practical Review. Journal of Clinical Medicine, 2021, 10, 2738.	1.0	60
189	Backup ventilation during neurally adjusted ventilatory assist in preterm infants. Pediatric Pulmonology, 2021, 56, 3342-3348.	1.0	5
190	Effects of Photobiomodulation Therapy Combined with Static Magnetic Field in Severe COVID-19 Patients Requiring Intubation: A Pragmatic Randomized Placebo-Controlled Trial. Journal of Inflammation Research, 2021, Volume 14, 3569-3585.	1.6	16
191	Shear Wave Elastography, a New Tool for Diaphragmatic Qualitative Assessment: A Translational Study. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 797-806.	2.5	13
192	Impact of different frequencies of controlled breath and pressure-support levels during biphasic positive airway pressure ventilation on the lung and diaphragm in experimental mild acute respiratory distress syndrome. PLoS ONE, 2021, 16, e0256021.	1.1	2
193	Shear Wave Elastography of the Diaphragm: Good Vibrations?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 748-750.	2.5	6
194	Speckle tracking ultrasonography as a new tool to assess diaphragmatic function: a feasibility study. Ultrasonography, 2022, 41, 403-415.	1.0	5
195	A Bench Evaluation of Eight Home-Care Ventilators. Respiratory Care, 2021, 66, 1531-1541.	0.8	7
196	Positive end-expiratory pressure affects geometry and function of the human diaphragm. Journal of Applied Physiology, 2021, 131, 1328-1339.	1.2	23
197	Inspiratory muscle training in intensive care unit patients: An international cross-sectional survey of physiotherapist practice. Australian Critical Care, 2022, 35, 527-534.	0.6	3
198	Qualitative and quantitative muscle ultrasound changes in patients with COVID-19-related ARDS. Nutrition, 2021, 91-92, 111449.	1.1	26
199	Mechanical Ventilation in 2035: Indications, Monitoring and Outcomes. , 2022, , 459-468.		0
200	Respiratory and peripheral muscular ultrasound characteristics in ICU COVID 19 ARDS patients. Journal of Critical Care, 2022, 67, 14-20.	1.0	21
201	Duration of diaphragmatic inactivity after endotracheal intubation of critically ill patients. Critical Care, 2021, 25, 26.	2.5	14
202	Monitoring Respiratory Muscle Function. , 2021, , 533-584.		1

#	ARTICLE	IF	CITATIONS
204	Respiratory Sarcopenia and Sarcopenic Respiratory Disability: Concepts, Diagnosis, and Treatment. <i>Journal of Nutrition, Health and Aging</i> , 2021, 25, 507-515.	1.5	65
205	Long-term neurodevelopment outcomes of hand, foot and mouth disease inpatients infected with EV-A71 or CV-A16, a retrospective cohort study. <i>Emerging Microbes and Infections</i> , 2021, 10, 545-554.	3.0	8
206	Mecanismos fisiopatológicos de la disfunción diafrágica asociada a ventilación mecánica. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 195-203.	0.1	1
207	Neurally Adjusted Ventilatory Assist versus Pressure Support Ventilation in Difficult Weaning. <i>Anesthesiology</i> , 2020, 132, 1482-1493.	1.3	25
208	Low Spontaneous Breathing Effort during Extracorporeal Membrane Oxygenation in a Porcine Model of Severe Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2020, 133, 1106-1117.	1.3	9
209	Monitoring the patient for a safe-assisted ventilation. <i>Current Opinion in Critical Care</i> , 2021, 27, 1-5.	1.6	7
210	Weaning the patient: between protocols and physiology. <i>Current Opinion in Critical Care</i> , 2021, 27, 29-36.	1.6	16
211	The Dark Side of Spontaneous Breathing during Noninvasive Ventilation. From Hypothesis to Theory. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 482-484.	2.5	4
212	The diaphragm. , 0, , 129-147.		6
213	Mechanical ventilation weaning issues can be counted on the fingers of just one hand: part 2. <i>Ultrasound Journal</i> , 2020, 12, 15.	1.3	4
214	Accuracy of PO.1 measurements performed by ICU ventilators: a bench study. <i>Annals of Intensive Care</i> , 2019, 9, 104.	2.2	26
215	ICU-acquired weakness, diaphragm dysfunction and long-term outcomes of critically ill patients. <i>Annals of Intensive Care</i> , 2020, 10, 1.	2.2	161
216	Emerging concepts in ventilation-induced lung injury. <i>F1000Research</i> , 2020, 9, 222.	0.8	22
217	PREVENTION OF RESPIRATORY MUSCLE DYSFUNCTION DUE TO DIAPHRAGM ATROPHY IN CHILDREN WITH RESPIRATORY FAILURE. <i>EUREKA Health Sciences</i> , 2020, , 40-45.	0.1	1
218	Levosimendan to facilitate weaning from cardiorespiratory support in critically ill patients: current evidence and future directions. <i>Minerva Anestesiologica</i> , 2020, 86, 645-651.	0.6	10
219	Diaphragmatic ultrasound: a review of its methodological aspects and clinical uses. <i>Jornal Brasileiro De Pneumologia</i> , 2020, 46, e20200064-e20200064.	0.4	41
220	Ultrasound of the diaphragm an essential tool for pulmonologists and intensivists. <i>Jornal Brasileiro De Pneumologia</i> , 2020, 46, e20200367-e20200367.	0.4	1
221	Monitoring Plans and Weaning Protocols for Critically Ill Patients. , 2021, , 219-236.		0

#	ARTICLE	IF	CITATIONS
222	Validation of rapid shallow breathing index displayed by the ventilator compared to the standard technique in patients with readiness for weaning. BMC Pulmonary Medicine, 2021, 21, 310.	0.8	4
223	Clinical outcomes of severe COVID-19 patients receiving early VV-ECMO and the impact of pre-ECMO ventilator use. International Journal of Artificial Organs, 2021, 44, 861-867.	0.7	17
224	Monitoring Spontaneous Effort During Mechanical Ventilation: Are Our Tools Good Enough?. Respiratory Care, 2021, 66, 1779-1782.	0.8	0
225	Complications of Critical COVID-19. Chest, 2022, 161, 989-998.	0.4	14
226	Dexmedetomidine Versus Propofol for Patients With Sepsis Requiring Mechanical Ventilation: A Systematic Review and Meta-Analysis. Frontiers in Pharmacology, 2021, 12, 717023.	1.6	3
227	Duration of mechanical ventilation and diaphragm functioning in children with acute respiratory failure. Emergency Medicine, 2018, .	0.0	0
228	Weaning definition and outcome. , 2019, , 207-213.		0
229	Weaning from mechanical ventilation. , 2019, , 207-213.		0
230	CRITERIA FOR SUCCESSFUL WEANING FROM MECHANICAL VENTILATION IN CHILDREN. ScienceRise, 2020, 4, 53-58.	0.1	0
231	Different Tidal Volumes May Jeopardize Pulmonary Redox and Inflammatory Status in Healthy Rats Undergoing Mechanical Ventilation. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	1.9	2
232	Improving nurses' knowledge of managing endotracheal tube cuff pressure in intensive care units: A quasi-experimental study. Health SA Gesondheid, 2020, 25, 1479.	0.3	1
233	Weaning from Mechanical Ventilation. , 2020, , 237-243.		0
234	Physiology of the Respiratory Drive in ICU Patients: Implications for Diagnosis and Treatment. Annual Update in Intensive Care and Emergency Medicine, 2020, , 3-19.	0.1	0
235	Respiratory Muscle Rehabilitation in Patients with Prolonged Mechanical Ventilation: A Targeted Approach. Annual Update in Intensive Care and Emergency Medicine, 2020, , 595-609.	0.1	3
236	Muscle Dysfunction in Critically Ill Children. Annual Update in Intensive Care and Emergency Medicine, 2020, , 583-594.	0.1	0
237	Effect of controlled ventilation during assist-control ventilation on diaphragm thickness—a post hoc analysis of an observational study. Journal of Medical Investigation, 2020, 67, 332-337.	0.2	3
238	Monitoring Patient Respiratory Effort During Mechanical Ventilation: Lung and Diaphragm-Protective Ventilation. Annual Update in Intensive Care and Emergency Medicine, 2020, , 21-35.	0.1	4
240	Proportional assist ventilation. Translational Medicine, 2020, 7, 39-52.	0.1	1

#	ARTICLE	IF	CITATIONS
241	What Can We Learn From Monitoring Diaphragm Activity in Infants?*. <i>Pediatric Critical Care Medicine</i> , 2021, 22, 1003-1005.	0.2	3
242	DIAPHRAGM-PROTECTIVE MECHANICAL VENTILATION IN CHILDREN. <i>Pain Anesthesia and Intensive Care</i> , 2020, .	0.1	0
243	DIAPHRAGMATIC MYOTRAUMA IN CHILDREN WITH ACUTE RESPIRATORY FAILURE. <i>EUREKA Health Sciences</i> , 2020, 5, 22-28.	0.1	1
244	The Impact of Mechanical Ventilation Duration on the Readmission to Intensive Care Unit: A Population-Based Observational Study. <i>Tuberculosis and Respiratory Diseases</i> , 2020, 83, 303-311.	0.7	3
245	Unsuccessful weaning from mechanical ventilation in children and ways to avoid it. , 2020, , 82-89.	0.0	1
247	Link between muscle function and physical function in critically ill patients. , 2021, , .		0
248	Is sarcopenia a risk factor for reduced diaphragm function following hepatic resection? A study protocol for a prospective observational study. <i>BMJ Open</i> , 2021, 11, e053148.	0.8	0
249	Long- and short-term clinical impact of awake extracorporeal membrane oxygenation as bridging therapy for lung transplantation. <i>Respiratory Research</i> , 2021, 22, 306.	1.4	4
250	Monitoring Respiratory Drive and Effort during Mechanical Ventilation. <i>Journal of Translational Critical Care Medicine</i> , 2021, 3, 13.	0.0	2
251	Tracheal stenosis in prolonged mechanically ventilated patients: prevalence, risk factors, and bronchoscopic management. <i>BMC Pulmonary Medicine</i> , 2022, 22, 24.	0.8	12
252	The Impact of an Intensivist-Led Critical Care Transition Program. <i>Cureus</i> , 2022, 14, e21313.	0.2	1
253	Validation of a Web-based Platform for Online Training in Point-of-Care Diaphragm Ultrasound. <i>ATS Scholar</i> , 0, , .	0.5	1
254	Risks and Benefits of Ultra-“Lung-Protective Invasive Mechanical Ventilation Strategies with a Focus on Extracorporeal Support. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 873-882.	2.5	20
255	Lung- and Diaphragm-Protective Ventilation by Titrating Inspiratory Support to Diaphragm Effort: A Randomized Clinical Trial. <i>Critical Care Medicine</i> , 2022, 50, 192-203.	0.4	21
256	Ultrasound Assessment of the Respiratory System. , 2022, , 341-352.		0
257	Monitoring the Patient During Assisted Ventilation. , 2022, , 61-73.		0
258	Diaphragm-Protective Mechanical Ventilation: Saving the Diaphragm from the Detrimental Effects of Mechanical Ventilation. <i>Journal of Translational Critical Care Medicine</i> , 2022, 4, 5.	0.0	0
259	Neurally Adjusted Ventilatory Assist in Acute Respiratory Failure-“A Narrative Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 1863.	1.0	4

#	ARTICLE	IF	CITATIONS
260	Prone Position Minimizes the Exacerbation of Effort-dependent Lung Injury: Exploring the Mechanism in Pigs and Evaluating Injury in Rabbits. <i>Anesthesiology</i> , 2022, 136, 779-791.	1.3	7
261	Accessory and Expiratory Muscles Activation During Spontaneous Breathing Trial: A Physiological Study by Surface Electromyography. <i>Frontiers in Medicine</i> , 2022, 9, 814219.	1.2	6
262	Early Restrictive Fluid Strategy Impairs the Diaphragm Force in Lambs with Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2022, 136, 749-762.	1.3	2
263	Diaphragm dysfunction and peripheral muscle wasting in septic shock patients: Exploring their relationship over time using ultrasound technology (the MUSiShock protocol). <i>PLoS ONE</i> , 2022, 17, e0266174.	1.1	4
264	Different Methods to Improve the Monitoring of Noninvasive Respiratory Support of Patients with Severe Pneumonia/ARDS Due to COVID-19: An Update. <i>Journal of Clinical Medicine</i> , 2022, 11, 1704.	1.0	53
265	Diaphragm function in patients with sepsis and septic shock: A longitudinal ultrasound study. <i>Australian Critical Care</i> , 2023, 36, 239-246.	0.6	5
266	Noninvasive Oxygenation in Patients with Acute Respiratory Failure: Current Perspectives. <i>International Journal of General Medicine</i> , 2022, Volume 15, 3121-3132.	0.8	1
267	Lung and diaphragm protective ventilation: a synthesis of recent data. <i>Expert Review of Respiratory Medicine</i> , 2022, , 1-16.	1.0	4
268	Expert consensus On Diaphragm UltraSonography in the critically ill (EXODUS): a Delphi consensus statement on the measurement of diaphragm ultrasound-derived parameters in a critical care setting. <i>Critical Care</i> , 2022, 26, 99.	2.5	40
269	Predictors for extubation failure in COVID-19 patients using a machine learning approach. <i>Critical Care</i> , 2021, 25, 448.	2.5	15
270	Isflurane promotes early spontaneous breathing in ventilated intensive care patients: A post hoc subgroup analysis of a randomized trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 354-364.	0.7	5
271	Circulating Skeletal Troponin During Weaning From Mechanical Ventilation and Their Association to Diaphragmatic Function: A Pilot Study. <i>Frontiers in Medicine</i> , 2021, 8, 770408.	1.2	2
272	Diaphragm Ultrasound in the Evaluation of Diaphragmatic Dysfunction in Lung Disease. <i>Open Respiratory Medicine Journal</i> , 2021, 15, 82-87.	1.3	1
274	Factors Associated With Ventilator Weaning Success and Failure in People With Spinal Cord Injury in an Acute Inpatient Rehabilitation Setting: A Retrospective Study. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2022, 28, 129-138.	0.8	2
275	Severe but reversible impaired diaphragm function in septic mechanically ventilated patients. <i>Annals of Intensive Care</i> , 2022, 12, 34.	2.2	6
276	Immediate Effect of Mechanical Ventilation Mode and Sedative Infusion on Measured Diaphragm Thickness. <i>Annals of the American Thoracic Society</i> , 2022, , .	1.5	2
277	Ultrasound assessment of the diaphragm during the first days of mechanical ventilation compared to spontaneous respiration: a comparative study.. <i>Tunisie Medicale</i> , 2021, 99, 1055-1065.	0.2	0
278	Pulmonary function test and computed tomography features during follow-up after SARS, MERS and COVID-19: a systematic review and meta-analysis. <i>ERJ Open Research</i> , 2022, 8, 00056-2022.	1.1	14

#	ARTICLE	IF	CITATIONS
279	Prolonged Mechanical Ventilation: Outcomes and Management. <i>Journal of Clinical Medicine</i> , 2022, 11, 2451.	1.0	9
280	Nomogram and Machine Learning Models Predict 1-Year Mortality Risk in Patients With Sepsis-Induced Cardiorenal Syndrome. <i>Frontiers in Medicine</i> , 2022, 9, 792238.	1.2	1
281	Association of Phosphate-Containing versus Phosphate-Free Solutions on Ventilator Days in Patients Requiring Continuous Kidney Replacement Therapy. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022, 17, 634-642.	2.2	15
282	Efficacy of Physiotherapy Interventions on Weaning in Mechanically Ventilated Critically Ill Patients: A Systematic Review and Meta-Analysis. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	8
283	Effect of abdominal weight training with and without cough machine assistance on lung function in the patients with prolonged mechanical ventilation: a randomized trial. <i>Critical Care</i> , 2022, 26, .	2.5	1
285	The weaning from mechanical ventilation: a comprehensive ultrasound approach. <i>Current Opinion in Critical Care</i> , 2022, 28, 322-330.	1.6	8
286	Diaphragm ultrasound to predict weaning outcome: systematic review and meta-analysis. <i>Anaesthesiology Intensive Therapy</i> , 2022, 54, 164-174.	0.4	8
287	Diaphragmatic Thickening Fraction by Ultrasound in Mechanically Ventilated Pediatric Patients. <i>Journal of Ultrasound in Medicine</i> , 0, , .	0.8	4
288	Phrenic nerve stimulation to protect the diaphragm, lung, and brain during mechanical ventilation. <i>Intensive Care Medicine</i> , 2022, 48, 1299-1301.	3.9	6
289	Anatomical Variation in Diaphragm Thickness Assessed with Ultrasound in Healthy Volunteers. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 1833-1839.	0.7	6
290	The PROMIZING trial enrollment algorithm for early identification of patients ready for unassisted breathing. <i>Critical Care</i> , 2022, 26, .	2.5	1
291	Diyafram ultrasonografisinin weaning başarımlarını tahmin etmedeki gâ¼câ¼¼. <i>Cukurova Medical Journal</i> , 2022, 47, 747-755.	0.1	1
292	Endoplasmic Reticulum Stress Contributes to Ventilator-Induced Diaphragm Atrophy and Weakness in Rats. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
293	Mechanical Ventilation during ECMO: Lessons from Clinical Trials and Future Prospects. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2022, 43, 417-425.	0.8	2
294	Body composition and risk factors associated with sarcopenia in post-COVID patients after moderate or severe COVID-19 infections. <i>BMC Pulmonary Medicine</i> , 2022, 22, .	0.8	9
295	Pneumonia After Cardiovascular Surgery: Incidence, Risk Factors and Interventions. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	9
296	Pleural and transpulmonary pressures to tailor protective ventilation in children. <i>Thorax</i> , 2023, 78, 97-105.	2.7	3
297	Prolonged mechanical ventilation in patients with severe COVID-19 is associated with serial modified-lung ultrasound scores: A single-centre cohort study. <i>PLoS ONE</i> , 2022, 17, e0271391.	1.1	3

#	ARTICLE	IF	CITATIONS
298	Diagnostic Utility of Point-of-Care Ultrasound in the Pediatric Cardiac Intensive Care Unit. <i>Current Treatment Options in Pediatrics</i> , 0, , .	0.2	5
299	The possible predictive value of muscle ultrasound in the diagnosis of ICUAW in long-term critically ill patients. <i>Journal of Critical Care</i> , 2022, 71, 154104.	1.0	17
300	Mechanical ventilation and COPD: from pathophysiology to ventilatory management. <i>Minerva Medica</i> , 2022, 113, .	0.3	14
301	Myths and Misconceptions of Airway Pressure Release Ventilation: Getting Past the Noise and on to the Signal. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	10
302	Diaphragm Electromyography Versus Ultrasonography in the Prediction of Mechanical Ventilation Liberation Outcome. <i>Respiratory Care</i> , 2022, 67, 1437-1442.	0.8	2
303	Invasive mechanical ventilation in patients with acute respiratory distress syndrome receiving extracorporeal support: a narrative review of strategies to mitigate lung injury. <i>Anaesthesia</i> , 2022, 77, 1137-1151.	1.8	4
304	Lung and diaphragm protective ventilation guided by the esophageal pressure. <i>Intensive Care Medicine</i> , 0, , .	3.9	1
305	Evolution of Respiratory Muscles Thickness in Mechanically Ventilated Patients With COVID-19. <i>Respiratory Care</i> , 2022, 67, 1369-1376.	0.8	1
306	Predicting High-Flow Nasal Cannula Therapy Outcomes Using the ROX-HR Index in the Pediatric ICU. <i>Respiratory Care</i> , 2022, 67, 1377-1384.	0.8	7
307	Duration of extracorporeal life support bridging delineates differences in the outcome between awake and sedated bridge-to-transplant patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	0.6	2
308	Relationships between double cycling and inspiratory effort with diaphragm thickness during the early phase of mechanical ventilation: A prospective observational study. <i>PLoS ONE</i> , 2022, 17, e0273173.	1.1	2
309	Association between histological diaphragm atrophy and ultrasound diaphragm expiratory thickness in ventilated patients. <i>Journal of Intensive Care</i> , 2022, 10, .	1.3	1
310	Risk Factors for Prolonged Mechanical Ventilation and Weaning Failure: A Systematic Review. <i>Respiration</i> , 2022, 101, 959-969.	1.2	15
312	Spinal cord injury and degenerative cervical myelopathy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022, , 241-257.	1.0	2
313	Noninvasive and invasive mechanical ventilation for neurologic disorders. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022, , 361-386.	1.0	2
314	Identification of the Tidal Volume Response to Pulse Amplitudes of Phrenic Nerve Stimulation Using Gaussian Process Regression. , 2022, , .		2
315	Strategies for lung- and diaphragm-protective ventilation in acute hypoxemic respiratory failure: a physiological trial. <i>Critical Care</i> , 2022, 26, .	2.5	26
316	Diaphragm ultrasound evaluation during weaning from mechanical ventilation in COVID-19 patients: a pragmatic, cross-section, multicenter study. <i>Respiratory Research</i> , 2022, 23, .	1.4	14

#	ARTICLE	IF	CITATIONS
317	Diaphragm-protective mechanical ventilation in acute respiratory failure. Journal of the Japanese Society of Intensive Care Medicine, 2022, 29, 510-517.	0.0	0
318	Do Thresholds for Invasive Ventilation in Hypoxemic Respiratory Failure Exist? A Cohort Study. American Journal of Respiratory and Critical Care Medicine, 2023, 207, 271-282.	2.5	14
319	Diaphragmatic ultrasonography-based rapid shallow breathing index for predicting weaning outcome during a pressure support ventilation spontaneous breathing trial. BMC Pulmonary Medicine, 2022, 22, .	0.8	5
320	Patient-Ventilator Synchrony. Clinics in Chest Medicine, 2022, 43, 511-518.	0.8	0
321	High-flow nasal cannula oxygen therapy in acute hypoxemic respiratory failure and COVID-19-related respiratory failure. Journal of Intensive Medicine, 2023, 3, 20-26.	0.8	1
322	Advances in Ventilator Management for Patients with Acute Respiratory Distress Syndrome. Clinics in Chest Medicine, 2022, 43, 499-509.	0.8	4
323	Replacement Fibrosis in the Diaphragm of Mechanically Ventilated Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2023, 207, 351-354.	2.5	1
324	How to recognize patients at risk of self-inflicted lung injury. Expert Review of Respiratory Medicine, 2022, 16, 963-971.	1.0	0
325	Ventilatory support in the intensive care unit. Anaesthesia and Intensive Care Medicine, 2022, , .	0.1	0
326	Hypothermia and Prolonged Time From Procedure End to Extubation After Endovascular Thoracic Aortic Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2022, 36, 4320-4326.	0.6	2
327	Ultrasound-assessed diaphragm dysfunction predicts clinical outcomes in hemodialysis patients. Scientific Reports, 2022, 12, .	1.6	2
328	Prone positioning in ARDS patients supported with VV ECMO, what we should explore?. Journal of Intensive Care, 2022, 10, .	1.3	0
329	Intensive Care Unit-Acquired Weakness. , 2022, , 189-212.		0
330	Diaphragm-protective mechanical ventilation in acute respiratory failure. Journal of Medical Investigation, 2022, 69, 165-172.	0.2	1
331	Computed tomography evaluation of diaphragm alterations in 20 critically ill COVID-19 positive patients. Acta Marisiensis - Seria Medica, 2022, 68, 103-107.	0.2	2
332	Head to toe ultrasound: a narrative review of expertsâ€™ recommendations of methodological approaches. Journal of Anesthesia, Analgesia and Critical Care, 2022, 2, .	0.5	1
333	Inspiratory muscle strength and function in mechanically ventilated COVID-19 survivors 3 and 6â€¦months after intensive care unit discharge. ERJ Open Research, 2023, 9, 00329-2022.	1.1	2
334	Lung-protective sedation: moving toward a new paradigm of precision sedation. Intensive Care Medicine, 2023, 49, 91-94.	3.9	6

#	ARTICLE	IF	CITATIONS
336	Increased diaphragm echodensity correlates with postoperative pulmonary complications in patients after major abdominal surgery: a prospective observational study. <i>BMC Pulmonary Medicine</i> , 2022, 22, .	0.8	3
337	Sonographic assessment of diaphragmatic thickening and excursion as predictors of weaning success in the intensive care unit: A prospective observational study. <i>Indian Journal of Anaesthesia</i> , 2022, 66, 776.	0.3	5
338	Role of Point-of-Care Ultrasound in the Management of Mechanical Ventilation. , 2022, , 223-246.		0
339	Respiratory issues in patients with multiple sclerosis as a risk factor during SARS-CoV-2 infection: a potential role for exercise. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 1533-1559.	1.4	1
340	Ultrassonografia diafragmática como preditora de desmame ventilatório: uma revisão sistemática. <i>Revista Brasileira De Fisiologia Do Exercício</i> , 2022, 21, 204-216.	0.0	0
341	Predictors of Sarcopenia in Outpatients with Post-Critical SARS-CoV2 Disease. Nutritional Ultrasound of Rectus Femoris Muscle, a Potential Tool. <i>Nutrients</i> , 2022, 14, 4988.	1.7	7
342	Positive end-expiratory pressure and prone position alter the capacity of force generation from diaphragm in acute respiratory distress syndrome: an animal experiment. <i>BMC Anesthesiology</i> , 2022, 22, .	0.7	3
343	The Relationship Between Diaphragm Thickness and The Severity of The Disease in Pregnant Patients With Covid-19. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2022, , .	0.5	1
344	Respiratory sarcopenia: A position paper by four professional organizations. <i>Geriatrics and Gerontology International</i> , 2023, 23, 5-15.	0.7	14
345	Rehabilitation interventions for weaning from mechanical ventilation in patients with spinal cord injury: A systematic review. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2023, 36, 577-593.	0.4	1
346	Diaphragm Muscle Weakness Might Explain Exertional Dyspnea 15 Months after Hospitalization for COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2023, 207, 1012-1021.	2.5	15
347	An importance of respiratory drive and effort during mechanical ventilation. <i>Clinical Critical Care</i> , 2023, , .	0.0	1
349	Clinical values of diaphragmatic movement in patients with chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , 2023, 23, .	0.8	0
350	Future noninvasive monitoring. , 2023, , 65-83.		0
351	Ventilator-induced diaphragmatic dysfunction in extremely preterm infants: a pilot ultrasound study. <i>European Journal of Pediatrics</i> , 2023, 182, 1555-1559.	1.3	4
352	Methodological and Clinimetric Evaluation of Inspiratory Respiratory Muscle Ultrasound in the Critical Care Setting: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2023, 51, e24-e36.	0.4	4
353	Propofol versus sodium thiopentone for the treatment of status epilepticus and refractory status epilepticus in dogs. <i>New Zealand Veterinary Journal</i> , 2023, 71, 128-132.	0.4	1
354	Reverse triggering neural network and rules-based automated detection in acute respiratory distress syndrome.. <i>Journal of Critical Care</i> , 2023, 75, 154256.	1.0	2

#	ARTICLE	IF	CITATIONS
355	Linking Acute Physiology to Outcomes in the ICU: Challenges and Solutions for Research. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2023, 207, 1441-1450.	2.5	4
356	Evaluation of the accuracy of established patient inspiratory effort estimation methods during mechanical support ventilation. <i>Heliyon</i> , 2023, 9, e13610.	1.4	0
357	Small-Molecule Inhibition of MuRF1 Prevents Early Disuse-Induced Diaphragmatic Dysfunction and Atrophy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3637.	1.8	3
358	Neural Network-Enabled Identification of Weak Inspiratory Efforts during Pressure Support Ventilation Using Ventilator Waveforms. <i>Journal of Personalized Medicine</i> , 2023, 13, 347.	1.1	2
359	Magnitude of Synchronous and Dyssynchronous Inspiratory Efforts during Mechanical Ventilation: A Novel Method. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2023, 207, 1239-1243.	2.5	4
360	Sepsis-Associated Muscle Wasting: A Comprehensive Review from Bench to Bedside. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5040.	1.8	3
361	Elevated Diaphragmatic Tonic Activity in PICU Patients: Age-Specific Definitions, Prevalence, and Associations*. <i>Pediatric Critical Care Medicine</i> , 2023, 24, 447-457.	0.2	3
362	A Window Into the Future: The Diagnostic and Prognostic Utility of Respiratory Muscle Ultrasound in Optimizing Mechanical Ventilation. <i>Respiratory Care</i> , 2022, 67, 1489-1492.	0.8	0
363	Diaphragm Ultrasound in Critically Ill Patients on Mechanical Ventilation—Evolving Concepts. <i>Diagnostics</i> , 2023, 13, 1116.	1.3	4
364	Reference values of diaphragmatic dimensions in healthy children aged 0–8 years. <i>European Journal of Pediatrics</i> , 2023, 182, 2577-2589.	1.3	3
365	The Effects of Positive End Expiratory Pressure and Lung Volume on Diaphragm Thickness and Thickening. <i>Diagnostics</i> , 2023, 13, 1157.	1.3	4
366	Acute Respiratory Distress Syndrome, Mechanical Ventilation, and Inhalation Injury in Burn Patients. <i>Surgical Clinics of North America</i> , 2023, 103, 439-451.	0.5	1
367	Early surgical stabilization of rib fractures for flail chest is associated with improved patient outcomes: An ACS-TQIP review. <i>Journal of Trauma and Acute Care Surgery</i> , 2023, 94, 532-537.	1.1	2
368	No association between thickening fraction of the diaphragm and extubation success in ventilated children. <i>Frontiers in Pediatrics</i> , 0, 11, .	0.9	5
369	The Potential Risks of Pressure Support Ventilation. <i>Annual Update in Intensive Care and Emergency Medicine</i> , 2023, , 207-220.	0.1	0
370	Surface electromyography to quantify neuro-respiratory drive and neuro-mechanical coupling in mechanically ventilated children. <i>Respiratory Research</i> , 2023, 24, .	1.4	1
371	Diaphragmatic Dynamics and Thickness Parameters Assessed by Ultrasonography Predict Extubation Success in Critically Ill Patients. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2023, 17, 117954842311659.	0.5	1
372	Interventions Relieving Dyspnea in Intubated Patients Show Responsiveness of the Mechanical Ventilation—Respiratory Distress Observation Scale. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2023, 208, 39-48.	2.5	6

#	ARTICLE	IF	CITATIONS
373	Evaluation of Diaphragmatic Thickness and Dysfunction by Ultrasonography in Mechanically Ventilated Children for Assessment of Extubation Success. <i>Indian Pediatrics</i> , 2023, 60, 212-216.	0.2	0
374	DIAPHRAGM FUNCTION IN CHILDREN WITH ACUTE HYPOXEMIC RESPIRATORY FAILURE: THE PROSPECTIVE OBSERVATIONAL COHORT STUDY. <i>Wiadomości Lekarskie</i> , 2023, 76, 257-263.	0.1	1
376	Radiographic Study of Variation in Diaphragm Position of Adult Nigerians. <i>Asian Journal of Advanced Research and Reports</i> , 2023, 17, 14-21.	0.0	0
378	Status postâ€œECMO: The role of pointâ€œofâ€œcare diaphragmatic ultrasound. <i>Pediatric Pulmonology</i> , 2023, 58, 2162-2165.	1.0	0
392	Use of Noninvasive Mechanical Ventilation in Older Patients. , 2023, , 791-798.		0
401	Ultrasound Assessment of the Respiratory Muscles. <i>Lessons From the ICU</i> , 2023, , 137-168.	0.1	0