Matthieu Schmidt

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Predicting survival after ECMO for refractory cardiogenic shock: the survival after veno-arterial-ECMO (SAVE)-score. European Heart Journal, 2015, 36, 2246-2256.	2.2	654
2	Predicting Survival after Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Failure. The Respiratory Extracorporeal Membrane Oxygenation Survival Prediction (RESP) Score. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1374-1382.	5.6	620
3	The PRESERVE mortality risk score and analysis of long-term outcomes after extracorporeal membrane oxygenation for severe acute respiratory distress syndrome. Intensive Care Medicine, 2013, 39, 1704-1713.	8.2	454
4	The ENCOURAGE mortality risk score and analysis of long-term outcomes after VA-ECMO for acute myocardial infarction with cardiogenic shock. Intensive Care Medicine, 2016, 42, 370-378.	8.2	348
5	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
6	Blood oxygenation and decarboxylation determinants during venovenous ECMO for respiratory failure in adults. Intensive Care Medicine, 2013, 39, 838-846.	8.2	262
7	Nosocomial Infections in Adult Cardiogenic Shock Patients Supported by Venoarterial Extracorporeal Membrane Oxygenation. Clinical Infectious Diseases, 2012, 55, 1633-1641.	5.8	237
8	ECMO Cardio-Pulmonary Resuscitation (ECPR), trends in survival from an international multicentre cohort study over 12-years. Resuscitation, 2017, 112, 34-40.	3.0	237
9	Position paper for the organization of ECMO programs for cardiac failure in adults. Intensive Care Medicine, 2018, 44, 717-729.	8.2	230
10	Venoarterial Extracorporeal Membrane Oxygenation Support for Refractory Cardiovascular Dysfunction During Severe Bacterial Septic Shock*. Critical Care Medicine, 2013, 41, 1616-1626.	0.9	224
11	ECMO for severe ARDS: systematic review and individual patient data meta-analysis. Intensive Care Medicine, 2020, 46, 2048-2057.	8.2	212
12	Brain injury during venovenous extracorporeal membrane oxygenation. Intensive Care Medicine, 2016, 42, 897-907.	8.2	200
13	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
14	Predictive factors of bleeding events in adults undergoing extracorporeal membrane oxygenation. Annals of Intensive Care, 2016, 6, 97.	4.6	189
15	Mechanical Ventilation Management During Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. Critical Care Medicine, 2015, 43, 654-664.	0.9	178
16	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
17	Extracorporeal membrane oxygenation network organisation and clinical outcomes during the COVID-19 pandemic in Greater Paris, France: a multicentre cohort study. Lancet Respiratory Medicine,the, 2021, 9, 851-862.	10.7	163
18	Life-threatening massive pulmonary embolism rescued by venoarterial-extracorporeal membrane oxygenation. Critical Care, 2017, 21, 76.	5.8	152

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19	Fulminant Versus Acute Nonfulminant Myocarditis in Patients With LeftÂVentricular SystolicÂDysfunction. Journal of the American College of Cardiology, 2019, 74, 299-311.	2.8	148
20	ELSO Interim Guidelines for Venoarterial Extracorporeal Membrane Oxygenation in Adult Cardiac Patients. ASAIO Journal, 2021, 67, 827-844.	1.6	147
21	Impact of fluid balance on outcome of adult patients treated with extracorporeal membrane oxygenation. Intensive Care Medicine, 2014, 40, 1256-1266.	8.2	145
22	Dyspnea in mechanically ventilated critically ill patients*. Critical Care Medicine, 2011, 39, 2059-2065.	0.9	141
23	Unrecognized suffering in the ICU: addressing dyspnea in mechanically ventilated patients. Intensive Care Medicine, 2014, 40, 1-10.	8.2	134
24	Percutaneous versus surgical femoro-femoral veno-arterial ECMO: a propensity score matched study. Intensive Care Medicine, 2018, 44, 2153-2161.	8.2	123
25	Intra-aortic balloon pump protects against hydrostatic pulmonary oedema during peripheral venoarterial-extracorporeal membrane oxygenation. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 62-69.	1.0	119
26	Prevalence, Characteristics, and Outcomes of COVID-19–Associated Acute Myocarditis. Circulation, 2022, 145, 1123-1139.	1.6	118
27	Bedside Contribution of Electrical Impedance Tomography to Setting Positive End-Expiratory Pressure for Extracorporeal Membrane Oxygenation–treated Patients with Severe Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 447-457.	5.6	116
28	Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. Lancet, The, 2020, 396, 545-552.	13.7	108
29	Systemic Inflammatory Response Syndrome Is a Major Contributor to COVID-19–Associated Coagulopathy. Circulation, 2020, 142, 611-614.	1.6	108
30	ECMO for ARDS: from salvage to standard of care?. Lancet Respiratory Medicine, the, 2019, 7, 108-110.	10.7	98
31	Extracorporeal life support for adults with acute respiratory distress syndrome. Intensive Care Medicine, 2020, 46, 2464-2476.	8.2	98
32	Neurally Adjusted Ventilatory Assist Increases Respiratory Variability and Complexity in Acute Respiratory Failure. Anesthesiology, 2010, 112, 670-681.	2.5	97
33	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
34	The ICM research agenda on extracorporeal life support. Intensive Care Medicine, 2017, 43, 1306-1318.	8.2	94
35	Expert consensus-based clinical practice guidelines management of intravascular catheters in the intensive care unit. Annals of Intensive Care, 2020, 10, 118.	4.6	93
36	Ultra-Protective Ventilation Reduces Biotrauma in Patients on Venovenous Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2019, 47, 1505-1512.	0.9	83

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37	Coronavirus Disease 2019 Acute Myocarditis and Multisystem Inflammatory Syndrome in Adult Intensive and Cardiac Care Units. Chest, 2021, 159, 657-662.	0.8	78
38	Neurally adjusted ventilatory assist and proportional assist ventilation both improve patient-ventilator interaction. Critical Care, 2015, 19, 56.	5.8	70
39	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
40	Outcomes and survival prediction models for severe adult acute respiratory distress syndrome treated with extracorporeal membrane oxygenation. Critical Care, 2016, 20, 392.	5.8	68
41	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
42	Dyspnea and surface inspiratory electromyograms in mechanically ventilated patients. Intensive Care Medicine, 2013, 39, 1368-1376.	8.2	61
43	Neurally adjusted ventilatory assist improves patient–ventilator interaction during postextubation prophylactic noninvasive ventilation*. Critical Care Medicine, 2012, 40, 1738-1744.	0.9	60
44	Extracorporeal gas exchange for acute respiratory failure in adult patients: a systematic review. Critical Care, 2015, 19, 99.	5.8	60
45	Evolving outcomes of extracorporeal membrane oxygenation support for severe COVID-19 ARDS in Sorbonne hospitals, Paris. Critical Care, 2021, 25, 355.	5.8	50
46	Prevalence and outcome of heparin-induced thrombocytopenia diagnosed under veno-arterial extracorporeal membrane oxygenation: a retrospective nationwide study. Intensive Care Medicine, 2018, 44, 1460-1469.	8.2	49
47	Ten situations in which ECMO is unlikely to be successful. Intensive Care Medicine, 2016, 42, 750-752.	8.2	47
48	Distinct cytokine profiles associated with COVID-19 severity and mortality. Journal of Allergy and Clinical Immunology, 2021, 147, 2098-2107.	2.9	47
49	Characteristics, management, and prognosis of elderly patients with COVID-19 admitted in the ICU during the first wave: insights from the COVID-ICU study. Annals of Intensive Care, 2021, 11, 77.	4.6	44
50	Position Paper on Global Extracorporeal Membrane Oxygenation Education and Educational Agenda for the Future: A Statement From the Extracorporeal Life Support Organization ECMOed Taskforce*. Critical Care Medicine, 2020, 48, 406-414.	0.9	43
51	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
52	Fulminant giant-cell myocarditis on mechanical circulatory support: Management and outcomes of a French multicentre cohort. International Journal of Cardiology, 2018, 253, 105-112.	1.7	40
53	Thyroid Storm in the ICU: A Retrospective Multicenter Study. Critical Care Medicine, 2020, 48, 83-90.	0.9	40
54	Severe pulmonary embolism in COVID-19 patients: a call for increased awareness. Critical Care, 2020, 24, 274.	5.8	39

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55	What is the niche for extracorporeal membrane oxygenation in severe acute respiratory distress syndrome?. Current Opinion in Critical Care, 2012, 18, 527-532.	3.2	38
56	Prone positioning during venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a systematic review and meta-analysis. Critical Care, 2021, 25, 292.	5.8	38
57	Effect of prone positioning on survival in adult patients receiving venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a systematic review and meta-analysis. Intensive Care Medicine, 2022, 48, 270-280.	8.2	36
58	Bleeding and thrombotic events in patients with severe COVID-19 supported with extracorporeal membrane oxygenation: a nationwide cohort study. Intensive Care Medicine, 2022, 48, 1039-1052.	8.2	33
59	Retrieval of severe acute respiratory failure patients on extracorporeal membrane oxygenation: Any impact on their outcomes?. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1621-1629.e2.	0.8	31
60	When the heart gets the flu. Journal of Critical Care, 2018, 47, 61-64.	2.2	31
61	Joint Society of Critical Care Medicine-Extracorporeal Life Support Organization Task Force Position Paper on the Role of the Intensivist in the Initiation and Management of Extracorporeal Membrane Oxygenation. Critical Care Medicine, 2020, 48, 838-846.	0.9	31
62	Practice Patterns and Ethical Considerations in the Management of Venovenous Extracorporeal Membrane Oxygenation Patients: An International Survey*. Critical Care Medicine, 2019, 47, 1346-1355.	0.9	28
63	Prone positioning during venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a pooled individual patient data analysis. Critical Care, 2022, 26, 8.	5.8	28
64	Breathlessness despite optimal pathophysiological treatment: on the relevance of being chronic. European Respiratory Journal, 2017, 50, 1701159.	6.7	27
65	Prone-Positioning for Severe Acute Respiratory Distress Syndrome Requiring Extracorporeal Membrane Oxygenation. Critical Care Medicine, 2022, 50, 264-274.	0.9	26
66	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome Associated with COVID-19: An Emulated Target Trial Analysis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 281-294.	5.6	26
67	Predictors of insufficient peak amikacin concentration in critically ill patients on extracorporeal membrane oxygenation. Critical Care, 2018, 22, 199.	5.8	24
68	Hemoglobin trigger and approach to red blood cell transfusions during veno-venous extracorporeal membrane oxygenation: the international TRAIN-ECMO survey. Perfusion (United Kingdom), 2019, 34, 39-48.	1.0	22
69	Usefulness of point-of-care multiplex PCR to rapidly identify pathogens responsible for ventilator-associated pneumonia and their resistance to antibiotics: an observational study. Critical Care, 2020, 24, 378.	5.8	22
70	Increased Diaphragmatic Contribution to Inspiratory Effort during Neurally Adjusted Ventilatory Assistance <i>versus</i> Pressure Support. Anesthesiology, 2014, 121, 1028-1036.	2.5	19
71	Viral genome search in myocardium of patients with fulminant myocarditis. European Journal of Heart Failure, 2020, 22, 1277-1280.	7.1	19
72	ECMO for immunosuppressed patients with acute respiratory distress syndrome: drawing a line in the sand. Intensive Care Medicine, 2019, 45, 1140-1142.	8.2	18

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73	Awake venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 585-594.	1.0	18
74	Co-infection with influenza-associated acute respiratory distress syndrome requiring extracorporeal membrane oxygenation. International Journal of Antimicrobial Agents, 2018, 51, 427-433.	2.5	17
75	Venous or arterial thromboses after venoarterial extracorporeal membrane oxygenation support: Frequency and risk factors. Journal of Heart and Lung Transplantation, 2021, 40, 307-315.	0.6	17
76	Postâ€discharge arrhythmic risk stratification of patients with acute myocarditis and lifeâ€ŧhreatening ventricular tachyarrhythmias. European Journal of Heart Failure, 2021, 23, 2045-2054.	7.1	17
77	Extracorporeal Membrane Oxygenation to Support Life-Threatening Drug-Refractory Electrical Storm. Critical Care Medicine, 2020, 48, e856-e863.	0.9	16
78	Tracheostomy management in patients with severe acute respiratory distress syndrome receiving extracorporeal membrane oxygenation: an International Multicenter Retrospective Study. Critical Care, 2021, 25, 238.	5.8	16
79	Video-based feedback of oral clinical presentations reduces the anxiety of ICU medical students: a multicentre, prospective, randomized study. BMC Medical Education, 2014, 14, 103.	2.4	14
80	Extracorporeal Life Support for Severe Acute Chest Syndrome in Adult Sickle Cell Disease. Critical Care Medicine, 2019, 47, e263-e265.	0.9	14
81	Recent advances in venovenous extracorporeal membrane oxygenation for severe acute respiratory distress syndrome. Current Opinion in Critical Care, 2019, 25, 71-76.	3.2	13
82	Extracorporeal Cardiopulmonary Resuscitation for Adults With Refractory Out-of-Hospital Cardiac Arrest. Circulation, 2020, 141, 887-890.	1.6	13
83	Use of non-carbapenem antibiotics to treat severe extended-spectrum Î ² -lactamase-producing Enterobacteriaceae infections in intensive care unit patients. International Journal of Antimicrobial Agents, 2019, 53, 547-552.	2.5	12
84	Mechanical thrombectomy in acute ischemic stroke patients under venoarterial extracorporeal membrane oxygenation. Journal of NeuroInterventional Surgery, 2020, 12, 486-488.	3.3	12
85	A singleâ€center longâ€ŧerm experience with marginal donor utilization for heart transplantation. Clinical Transplantation, 2020, 34, e14057.	1.6	12
86	Extracorporeal Membrane Oxygenation Induces Early Alterations in Coagulation and Fibrinolysis Profiles in COVID-19 Patients with Acute Respiratory Distress Syndrome. Thrombosis and Haemostasis, 2021, 121, 1031-1042.	3.4	12
87	International survey of neuromonitoring and neurodevelopmental outcome in children and adults supported on extracorporeal membrane oxygenation in Europe. Perfusion (United Kingdom), 2023, 38, 245-260.	1.0	12
88	Extensive Myocardial Calcification in Critically III Patients. Critical Care Medicine, 2018, 46, e702-e706.	0.9	11
89	Elevated Venous to Arterial Carbon Dioxide Gap and Anion Gap Are Associated with Poor Outcome in Cardiogenic Shock Requiring Extracorporeal Membrane Oxygenation Support. ASAIO Journal, 2021, 67, 263-269.	1.6	11
90	Ventilator-associated pneumonia in extracorporeal membrane oxygenation-assisted patients. Annals of Translational Medicine, 2018, 6, 427-427.	1.7	11

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91	Extracorporeal Life Support Organization Guidelines for Fluid Overload, Acute Kidney Injury, and Electrolyte Management. ASAIO Journal, 2022, 68, 611-618.	1.6	11
92	Predicting 90-day survival of patients with COVID-19: Survival of Severely Ill COVID (SOSIC) scores. Annals of Intensive Care, 2021, 11, 170.	4.6	11
93	Optimal reperfusion strategy in acute high-risk pulmonary embolism requiring extracorporeal membrane oxygenation support: a systematic review and meta-analysis. European Respiratory Journal, 2022, 60, 2102977.	6.7	11
94	A lethal case of meningitis due to Lactobacillus rhamnosus as a late complication of anterior cervical spine surgery. Journal of Infection, 2011, 62, 309-310.	3.3	10
95	Benefits of Impella and Peripheral Veno-Arterial Extra Corporeal Life Support Alliance. ASAIO Journal, 2019, 65, 837-844.	1.6	10
96	Overcoming bleeding events related to extracorporeal membrane oxygenation in COVID-19 – Authors' reply. Lancet Respiratory Medicine,the, 2020, 8, e89.	10.7	10
97	Arrhythmia-induced cardiomyopathy: A potentially reversible cause of refractory cardiogenic shock requiring venoarterial extracorporeal membrane oxygenation. Heart Rhythm, 2021, 18, 1106-1112.	0.7	9
98	What's new with survival prediction models in acute respiratory failure patients requiring extracorporeal membrane oxygenation. Intensive Care Medicine, 2014, 40, 1155-1158.	8.2	8
99	Transvenous Renal Biopsy of Critically Ill Patients: Safety and Diagnostic Yield. Critical Care Medicine, 2019, 47, 386-392.	0.9	8
100	Lung transplantation for COVID-19-associated ARDS. Lancet Respiratory Medicine, the, 2021, 9, e89.	10.7	8
101	The Right Ventricle During Veno-Venous Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome: Can We Protect the Injured Ventricle?. ASAIO Journal, 2022, 68, 456-460.	1.6	8
102	The PRESET-Score: the extrapulmonary predictive survival model for extracorporeal membrane oxygenation in severe acute respiratory distress syndrome. Journal of Thoracic Disease, 2018, 10, S2040-S2044.	1.4	7
103	Emergency Abdominal Surgery Outcomes of Critically Ill Patients on Extracorporeal Membrane Oxygenation: A Caseâ€Matched Study with a Propensity Score Analysis. World Journal of Surgery, 2019, 43, 1474-1482.	1.6	7
104	Long-term mortality and costs following use of Impella® for mechanical circulatory support: a population-based cohort study. Canadian Journal of Anaesthesia, 2020, 67, 1728-1737.	1.6	7
105	Heart failure supported by veno-arterial extracorporeal membrane oxygenation (ECMO): a systematic review of pre-clinical models. Intensive Care Medicine Experimental, 2020, 8, 16.	1.9	7
106	The extracorporeal membrane oxygenation (ECMO) high-fidelity simulator: the best complementary tool to learn the technique. Journal of Thoracic Disease, 2017, 9, 4273-4276.	1.4	6
107	Amniotic fluid embolism rescued by venoarterial extracorporeal membrane oxygenation. Critical Care, 2022, 26, 96.	5.8	6
108	Extracorporeal cardiopulmonary resuscitation for refractory in-hospital cardiac arrest: A retrospective cohort study. International Journal of Cardiology, 2022, 350, 48-54.	1.7	5

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109	Have we averted deaths using venoarterial ECMO?. Intensive Care Medicine, 2018, 44, 2219-2221.	8.2	4
110	Fulminant myocarditis in adults: a narrative review Journal of Geriatric Cardiology, 2022, 19, 137-151.	0.2	4
111	Extracorporeal membrane oxygenation for interstitial lung disease: what is on the other side of the bridge?. Journal of Thoracic Disease, 2016, 8, 1918-1920.	1.4	3
112	Microcirculation in cardiogenic shock supported with extracorporeal membrane oxygenation: the need for a homogeneous population and strict evolution assessment. Critical Care, 2018, 22, 281.	5.8	3
113	Extra-corporeal membrane oxygenation-associated infections: implication of extra-intestinal pathogenic Escherichia coli clones. Journal of Medical Microbiology, 2017, 66, 1189-1195.	1.8	3
114	Changes in Venoarterial Extracorporeal Membrane Oxygenation Management Over Time Could Explain a More Frequent Diagnosis of Neurological Complications in That Population. Critical Care Medicine, 2021, 49, e342-e343.	0.9	2
115	Influence of ventilatory strategy on the PRESERVE mortality risk score: response to Camporota et al Intensive Care Medicine, 2014, 40, 916-916.	8.2	1
116	Will all ARDS patients be receiving mechanical ventilation in 2035? No. Intensive Care Medicine, 2017, 43, 570-572.	8.2	1
117	We must identify patients at risk for pre-hospital sudden cardiac arrest at the early phase of myocardial infarction. Journal of Thoracic Disease, 2017, 9, 466〕469.	1.4	1
118	Awake extracorporeal membrane oxygenation in immunosuppressed patients with severe respiratory failure—a stretch too far?. Journal of Thoracic Disease, 2019, 11, 2656-2659.	1.4	1
119	Spinal-cardiac crosstalk. Intensive Care Medicine, 2020, 46, 1614-1615.	8.2	1
120	Four situations in which ECMO might have a chance: response to Staudacher et al Intensive Care Medicine, 2016, 42, 1307-1307.	8.2	0
121	Veno-venous extracorporeal membrane oxygenation for the third millennium. Journal of Thoracic Disease, 2018, 10, S592-S595.	1.4	Ο
122	The authors reply. Critical Care Medicine, 2021, 49, e334-e335.	0.9	0
123	The authors reply. Critical Care Medicine, 2021, 49, e545-e546.	0.9	0
124	Electrical Impedance Tomography Monitoring of Bronchoalveolar Lavage in Patients With Acute Respiratory Distress Syndrome. Critical Care Medicine, 2021, Publish Ahead of Print, .	0.9	0
125	Meta-analysis on extracorporeal life support during cardiac arrest: do not compare apples and oranges. Annals of Translational Medicine, 2017, 5, 119-119.	1.7	0
126	Preemptive acyclovir to prevent herpes simplex virus bronchopneumonitis in mechanically ventilated patients with herpes simplex virus oropharyngeal reactivation: An ancillary study of the preemptive treatment for herpesviridae trial. Antiviral Therapy, 2022, 27, 135965352110726.	1.0	0

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127	To be or not to be on ECMO: can survival prediction models solve the question?. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2017, 19, 21-28.	0.1	0