

# Edward A Bittner

## List of Publications by Year in descending order

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Version: 2024-02-01

134  
papers

3,486  
citations

126708

33  
h-index

168136

53  
g-index

137  
all docs

137  
docs citations

137  
times ranked

4691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluid administration in severe sepsis and septic shock, patterns and outcomes: an analysis of a large national database. <i>Intensive Care Medicine</i> , 2017, 43, 625-632.	3.9	258
2	Acute and Perioperative Care of the Burn-injured Patient. <i>Anesthesiology</i> , 2015, 122, 448-464.	1.3	175
3	Opioid Tolerance in Critical Illness. <i>New England Journal of Medicine</i> , 2019, 380, 365-378.	13.9	133
4	Early Mobilization in Critically Ill Patients: Patients' Mobilization Level Depends on Health Care Provider's Profession. <i>PM and R</i> , 2011, 3, 307-313.	0.9	118
5	Prospective Study of Vitamin D Status at Initiation of Care in Critically Ill Surgical Patients and Risk of 90-Day Mortality*. <i>Critical Care Medicine</i> , 2014, 42, 1365-1371.	0.4	99
6	Sedation of Mechanically Ventilated COVID-19 Patients: Challenges and Special Considerations. <i>Anesthesia and Analgesia</i> , 2020, 131, e40-e41.	1.1	96
7	Neuromuscular blocking agent administration for emergent tracheal intubation is associated with decreased prevalence of procedure-related complications*. <i>Critical Care Medicine</i> , 2012, 40, 1808-1813.	0.4	94
8	The surgical intensive care unit optimal mobility score predicts mortality and length of stay*. <i>Critical Care Medicine</i> , 2012, 40, 1122-1128.	0.4	92
9	Sedation and Pain Management in Burn Patients. <i>Clinics in Plastic Surgery</i> , 2017, 44, 535-540.	0.7	79
10	Comparison of published guidelines for management of coagulopathy and thrombosis in critically ill patients with COVID 19: implications for clinical practice and future investigations. <i>Critical Care</i> , 2020, 24, 559.	2.5	78
11	A clinical assessment of the Mucus Shaver. <i>Critical Care Medicine</i> , 2012, 40, 119-124.	0.4	76
12	Vitamin D Status and Acute Respiratory Infection: Cross Sectional Results from the United States National Health and Nutrition Examination Survey, 2001-2006. <i>Nutrients</i> , 2015, 7, 1933-1944.	1.7	67
13	Vitamin D Status and Community-Acquired Pneumonia: Results from the Third National Health and Nutrition Examination Survey. <i>PLoS ONE</i> , 2013, 8, e81120.	1.1	63
14	Global Muscle Strength But Not Grip Strength Predicts Mortality and Length of Stay in a General Population in a Surgical Intensive Care Unit. <i>Physical Therapy</i> , 2012, 92, 1546-1555.	1.1	61
15	Association Between Preoperative 25-Hydroxyvitamin D Level and Hospital-Acquired Infections Following Roux-en-Y Gastric Bypass Surgery. <i>JAMA Surgery</i> , 2014, 149, 112.	2.2	60
16	Anesthesia Care Transitions and Risk of Postoperative Complications. <i>Anesthesia and Analgesia</i> , 2016, 122, 134-144.	1.1	58
17	Catatonia in the ICU. <i>Critical Care Medicine</i> , 2014, 42, e234-e241.	0.4	57
18	Application of Lung Ultrasound During the COVID-19 Pandemic: A Narrative Review. <i>Anesthesia and Analgesia</i> , 2020, 131, 345-350.	1.1	57

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19	Measurement of muscle strength in the intensive care unit. <i>Critical Care Medicine</i> , 2009, 37, S321-S330.	0.4	55
20	A lung rescue team improves survival in obesity with acute respiratory distress syndrome. <i>Critical Care</i> , 2020, 24, 4.	2.5	54
21	Differential Effects of Intraoperative Positive End-expiratory Pressure (PEEP) on Respiratory Outcome in Major Abdominal Surgery Versus Craniotomy. <i>Annals of Surgery</i> , 2016, 264, 362-369.	2.1	51
22	Hemodynamic Management and Outcome of Patients Treated for Cerebral Vasospasm with Intraarterial Nicardipine and/or Milrinone. <i>Anesthesia and Analgesia</i> , 2010, 110, 895-902.	1.1	49
23	Ten Myths and Misconceptions Regarding Pain Management in the ICU. <i>Critical Care Medicine</i> , 2015, 43, 2468-2478.	0.4	48
24	The "Flipped Classroom" Model for Teaching in the Intensive Care Unit. <i>Journal of Intensive Care Medicine</i> , 2017, 32, 187-196.	1.3	47
25	Multisystem effects of COVID-19: a concise review for practitioners. <i>Postgraduate Medicine</i> , 2021, 133, 20-27.	0.9	45
26	Anesthesia, brain changes, and behavior: Insights from neural systems biology. <i>Progress in Neurobiology</i> , 2017, 153, 121-160.	2.8	44
27	Haloperidol Versus Ondansetron for Prophylaxis of Postoperative Nausea and Vomiting. <i>Anesthesia and Analgesia</i> , 2008, 106, 1407-1409.	1.1	43
28	Oral midodrine treatment accelerates the liberation of intensive care unit patients from intravenous vasopressor infusions. <i>Journal of Critical Care</i> , 2013, 28, 756-762.	1.0	41
29	The Ventilator Liberation Process: Update on Technique, Timing, and Termination of Tracheostomy. <i>Respiratory Care</i> , 2012, 57, 1626-1634.	0.8	41
30	Inhaled high dose nitric oxide is a safe and effective respiratory treatment in spontaneous breathing hospitalized patients with COVID-19 pneumonia. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 116, 7-13.	1.2	40
31	Vitamin C in the critically ill - indications and controversies. <i>World Journal of Critical Care Medicine</i> , 2018, 7, 52-61.	0.8	39
32	Nutrition in critically ill patients with COVID-19: Challenges and special considerations. <i>Clinical Nutrition</i> , 2020, 39, 2327-2328.	2.3	39
33	Haloperidol Plus Ondansetron Versus Ondansetron Alone for Prophylaxis of Postoperative Nausea and Vomiting. <i>Anesthesia and Analgesia</i> , 2008, 106, 1410-1413.	1.1	38
34	Development and Validation of an Intraoperative Predictive Model for Unplanned Postoperative Intensive Care. <i>Anesthesiology</i> , 2013, 119, 516-524.	1.3	38
35	Validation of a Risk Stratification Index and Risk Quantification Index for Predicting Patient Outcomes. <i>Anesthesiology</i> , 2013, 119, 525-540.	1.3	36
36	High Pleural Pressure Prevents Alveolar Overdistension and Hemodynamic Collapse in Acute Respiratory Distress Syndrome with Class III Obesity. A Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 575-584.	2.5	35

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37	Use of Handheld Point-of-Care Ultrasound in Emergency Airway Management. <i>Chest</i> , 2021, 159, 1155-1165.	0.4	31
38	In-hospital airway management of COVID-19 patients. <i>Critical Care</i> , 2020, 24, 292.	2.5	28
39	Right Ventricular Strain Is Common in Intubated COVID-19 Patients and Does Not Reflect Severity of Respiratory Illness. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 900-909.	1.3	27
40	Effect of nitric oxide on postoperative acute kidney injury in patients who underwent cardiopulmonary bypass: a systematic review and meta-analysis with trial sequential analysis. <i>Annals of Intensive Care</i> , 2019, 9, 129.	2.2	27
41	Bedside monitoring of lung perfusion by electrical impedance tomography in the time of COVID-19. <i>British Journal of Anaesthesia</i> , 2020, 125, e434-e436.	1.5	26
42	Practical strategies for increasing efficiency and effectiveness in critical care education. <i>World Journal of Critical Care Medicine</i> , 2017, 6, 1.	0.8	26
43	The effects of preoperative, video-assisted anesthesia education in Spanish on Spanish-speaking patients' anxiety, knowledge, and satisfaction: a pilot study. <i>Journal of Clinical Anesthesia</i> , 2014, 26, 325-329.	0.7	25
44	Pulmonary and Systemic Vascular Resistances After Cardiopulmonary Bypass: Role of Hemolysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 505-515.	0.6	25
45	Innovative strategies in critical care education. <i>Journal of Critical Care</i> , 2015, 30, 550-556.	1.0	24
46	Evaluation of the Infection-Related Ventilator-Associated Events Algorithm for Ventilator-Associated Pneumonia Surveillance in a Trauma Population. <i>Respiratory Care</i> , 2016, 61, 269-276.	0.8	24
47	Morphine Attenuates fNIRS Signal Associated With Painful Stimuli in the Medial Frontopolar Cortex (medial BA 10). <i>Frontiers in Human Neuroscience</i> , 2018, 12, 394.	1.0	24
48	Negative Pressure Pulmonary Edema Following Bronchospasm. <i>Chest</i> , 2011, 140, 1351-1354.	0.4	23
49	Implementation of 24/7 intensivist presence in the SICU. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 563-567.	1.1	22
50	Protocol of a randomised controlled trial in cardiac surgical patients with endothelial dysfunction aimed to prevent postoperative acute kidney injury by administering nitric oxide gas. <i>BMJ Open</i> , 2019, 9, e026848.	0.8	21
51	An Examination of Medical Malpractice Claims Involving Physician Trainees. <i>Academic Medicine</i> , 2020, 95, 1215-1222.	0.8	21
52	Noninvasive respiratory support for COVID-19 patients: when, for whom, and how?. <i>Journal of Intensive Care</i> , 2022, 10, 3.	1.3	21
53	Perioperative spinal cord infarction in nonaortic surgery: report of three cases and review of the literature. <i>Journal of Clinical Anesthesia</i> , 2008, 20, 307-312.	0.7	20
54	Handheld ultrasound devices: An emerging technology to reduce viral spread during the Covid-19 pandemic. <i>American Journal of Infection Control</i> , 2020, 48, 968-969.	1.1	19

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55	Free Hemoglobin Ratio as a Novel Biomarker of Acute Kidney Injury After On-Pump Cardiac Surgery: Secondary Analysis of a Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2021, 132, 1548-1558.	1.1	19
56	An examination of sedation requirements and practices for mechanically ventilated critically ill patients with COVID-19. <i>American Journal of Health-System Pharmacy</i> , 2021, 78, 1952-1961.	0.5	19
57	Dexmedetomidine for Sedation in the Parturient With Respiratory Failure Requiring Noninvasive Ventilation. <i>Respiratory Care</i> , 2012, 57, 1967-1969.	0.8	18
58	Peer-to-peer physician feedback improves adherence to blood transfusion guidelines in the surgical intensive care unit. <i>Journal of Trauma and Acute Care Surgery</i> , 2015, 79, 65-70.	1.1	18
59	High Positive End-Expiratory Pressure Allows Extubation of an Obese Patient. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 524-525.	2.5	18
60	Sepsis induced cardiomyopathy: Pathophysiology and use of mechanical circulatory support for refractory shock. <i>Journal of Critical Care</i> , 2019, 54, 228-234.	1.0	18
61	Ensuring competency in focused cardiac ultrasound: a systematic review of training programs. <i>Journal of Intensive Care</i> , 2020, 8, 93.	1.3	18
62	Tracheostomy Tube Change Before Day 7 Is Associated With Earlier Use of Speaking Valve and Earlier Oral Intake. <i>Respiratory Care</i> , 2013, 58, 257-263.	0.8	17
63	The Presence of Scarring and Associated Morbidity in the Burn Model System National Database. <i>Annals of Plastic Surgery</i> , 2019, 82, S162-S168.	0.5	16
64	Transthoracic Echocardiography in Prone Patients With Acute Respiratory Distress Syndrome: A Feasibility Study. , 2020, 2, e0179.		16
65	Use of Video Laryngoscopy and Camera Phones to Communicate Progression of Laryngeal Edema in Assessing for Extubation. <i>Journal of Intensive Care Medicine</i> , 2013, 28, 67-71.	1.3	15
66	Benefit of using a "bundled" consent for intensive care unit procedures as part of an early family meeting. <i>Journal of Critical Care</i> , 2014, 29, 919-922.	1.0	15
67	To decannulate or not to decannulate: A combination of readiness for the floor and floor readiness?*. <i>Critical Care Medicine</i> , 2011, 39, 2360-2361.	0.4	14
68	Efficiency of Prolonged Prone Positioning for Mechanically Ventilated Patients Infected with COVID-19. <i>Journal of Clinical Medicine</i> , 2021, 10, 2969.	1.0	14
69	Emergency airway management. <i>Respiratory Care</i> , 2010, 55, 1026-35.	0.8	14
70	Critical illness is associated with decreased plasma levels of coenzyme Q10: A cross-sectional study. <i>Journal of Critical Care</i> , 2013, 28, 571-576.	1.0	13
71	Rapid establishment of an ICU using anesthesia ventilators during COVID-19 pandemic: lessons learned. <i>Critical Care</i> , 2020, 24, 388.	2.5	13
72	Independent lung ventilation: Implementation strategies and review of literature. <i>World Journal of Critical Care Medicine</i> , 2019, 8, 36-58.	0.8	12

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73	Sedation and Paralysis. <i>Respiratory Care</i> , 2013, 58, 1024-1037.	0.8	11
74	Prototype electronic stethoscope vs conventional stethoscope for auscultation of heart sounds. <i>Journal of Medical Engineering and Technology</i> , 2014, 38, 307-310.	0.8	11
75	Silver-Coated Endotracheal Tubes Cleaned With a Mechanism for Secretion Removal. <i>Respiratory Care</i> , 2019, 64, 1-9.	0.8	11
76	Ultrasound Teleguidance to Reduce Healthcare Worker Exposure to Coronavirus Disease 2019. , 2020, 2, e0146.		11
77	Development of a Lung Rescue Team to Improve Care of Subjects With Refractory Acute Respiratory Failure. <i>Respiratory Care</i> , 2020, 65, 420-426.	0.8	11
78	The Vacuum Assisted Negative Pressure Isolation Hood (VANISH) System: Novel Application of the Stryker Neptuneâ„¢ Suction Machine to Create COVID-19 Negative Pressure Isolation Environments. <i>Cureus</i> , 2020, 12, e8126.	0.2	11
79	Evaluation of the Augmented Infant Resuscitator: A Monitoring Device for Neonatal Bag-Valve-Mask Resuscitation. <i>Anesthesia and Analgesia</i> , 2018, 126, 947-955.	1.1	10
80	Examination of Patterns in Intubation by an Emergency Airway Team at a Large Academic Center: Higher Frequency During Daytime Hours. <i>Respiratory Care</i> , 2014, 59, 743-748.	0.8	9
81	Impact of a Multidisciplinary Bundle on Time to Antibiotic Administration in Septic SICU Patients. <i>Journal of Intensive Care Medicine</i> , 2017, 32, 494-499.	1.3	9
82	Systems-Based Practice: Time to Finally Adopt the Orphan Competency. <i>Journal of Graduate Medical Education</i> , 2021, 13, 96-101.	0.6	9
83	Comparison of Published Guidelines for the Diagnosis and the Management of Vaccine-Induced Immune Thrombotic Thrombocytopenia. , 2021, 3, e0519.		9
84	Teleguidance Technology for Endotracheal Intubation: A Scoping Review. , 2021, 3, e0582.		9
85	Extravascular lung water as a predictor of mortality in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2008, 36, 2220-2221.	0.4	8
86	Biplane Imaging Versus Standard Transverse Single-Plane Imaging for Ultrasound-Guided Peripheral Intravenous Access: A Prospective Controlled Crossover Trial. , 2021, 3, e545.		8
87	A low dose heparinized saline protocol is associated with improved duration of arterial line patency in critically ill COVID-19 patients. <i>Journal of Critical Care</i> , 2020, 60, 253-259.	1.0	7
88	Biplane Imaging Using Portable Ultrasound Devices for Vascular Access. <i>Cureus</i> , 2021, 13, e12561.	0.2	7
89	Portable Handheld Point-of-Care Ultrasound for Detecting Unrecognized Esophageal Intubations. <i>Respiratory Care</i> , 2022, 67, 607-612.	0.8	7
90	Sodium-glucose cotransporter-2 (SGLT2) inhibitor-induced euglycemic diabetic ketoacidosis complicating the perioperative management of a patient with type 2 diabetes mellitus (T2DM) and Fournierâ€™s gangrene: A case report. <i>International Journal of Surgery Case Reports</i> , 2020, 77, 463-466.	0.2	6

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91	An examination of gastrointestinal absorption using the acetaminophen absorption test in critically ill patients with COVID-19: A retrospective cohort study. <i>Nutrition in Clinical Practice</i> , 2021, 36, 853-862.	1.1	6
92	Personal Protective Equipment N95 Facemask Shortage Quick Fix: The Modified Airway From Ventilator Circuit (MAVerIC). <i>Cureus</i> , 2020, 12, e7914.	0.2	6
93	Improving the State of Use and Understanding of Multistate Models in Critical Care*. <i>Critical Care Medicine</i> , 2018, 46, 1191-1192.	0.4	5
94	A Growing Problem of Critical Illness Due to Chimeric Antigen Receptor T-Cell Therapy. <i>Critical Care Medicine</i> , 2018, 46, e1086-e1087.	0.4	5
95	Tracheal Reintubation: Caused by "Too Much of a Good Thing"? <i>Respiratory Care</i> , 2012, 57, 1687-1691.	0.8	5
96	Characteristics of Simulation-Based Point-of-Care Ultrasound Education: A Systematic Review of MedEdPORTAL Curricula. <i>Cureus</i> , 2022, 14, e22249.	0.2	5
97	Acute hypopituitarism in a pregnant patient after cardiac gunshot injury. <i>Journal of Clinical Anesthesia</i> , 2011, 23, 414-417.	0.7	4
98	Missing Data and ICU Mortality Prediction. <i>Critical Care Medicine</i> , 2017, 45, 2108-2109.	0.4	4
99	Nuts and bolts of COVID-19 associated coagulopathy: the essentials for management and treatment. <i>Postgraduate Medicine</i> , 2021, 133, 1-13.	0.9	4
100	In Response. <i>Anesthesia and Analgesia</i> , 2020, 131, e200-e202.	1.1	4
101	Severe COVID pneumonia and undetectable B cells after vaccination in patients previously treated with rituximab: a case series. <i>Postgraduate Medicine</i> , 2022, 134, 239-243.	0.9	4
102	Influenza-Associated Critical Illness. <i>Critical Care Medicine</i> , 2014, 42, 2441-2442.	0.4	3
103	Leukocyte larceny: a cause of pseudohypoxemia. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 1374-1375.	0.7	3
104	Images in Anesthesiology: Examining the Edges of Extravasation. <i>Anesthesiology</i> , 2017, 126, 716-716.	1.3	3
105	Above and beyond: biofilm and the ongoing search for strategies to reduce ventilator-associated pneumonia (VAP). <i>Critical Care</i> , 2020, 24, 510.	2.5	3
106	Postpneumonectomy Syndrome. <i>Anesthesiology</i> , 2014, 121, 1334-1334.	1.3	3
107	Surgical pulmonary embolectomy on VA-ECMO. <i>Respiratory Medicine Case Reports</i> , 2021, 34, 101551.	0.2	3
108	Successful management of a morbidly obese patient for electroconvulsive therapy with elective tracheostomy. <i>Journal of Clinical Anesthesia</i> , 2011, 23, 241-243.	0.7	2

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109	The Decision to Use Succinylcholine for Critically Ill Patients Should Not Be Based on Duration of Time in the Intensive Care Unit Alone. <i>Anesthesia and Analgesia</i> , 2013, 116, 1182.	1.1	2
110	Altered Arterial Compliance in Hypertensive Pregnant Women Is Associated with Preeclampsia. <i>Anesthesia and Analgesia</i> , 2013, 116, 1050-1056.	1.1	2
111	Examining the Learning Practice of Emergency Airway Management Within an Academic Medical Center: Implications for Training and Improving Outcomes. <i>Journal of Medical Education and Curricular Development</i> , 2020, 7, 238212052096525.	0.7	2
112	ST Elevations and Ventricular Tachycardia Secondary to Coronary Vasospasm upon Extubation. Case Reports in <i>Anesthesiology</i> , 2020, 2020, 1-4.	0.2	2
113	Rapid Expansion of the Airway Response Team to Meet the Needs of the COVID-19 Pandemic. <i>Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality</i> , 2021, 43, 275-283.	0.3	2
114	Improvement in emergency airway equipment transport. <i>Respiratory Care</i> , 2010, 55, 852-7.	0.8	2
115	Con: Cardiac Anesthesiologists Should Not Be the Intensivists of the Operating Room. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 1156-1158.	0.6	1
116	305. <i>Critical Care Medicine</i> , 2014, 42, A1434.	0.4	1
117	Ten Myths and Misconceptions Regarding Pain Management in the ICU. <i>Survey of Anesthesiology</i> , 2016, 60, 186-187.	0.1	1
118	One (Not So Small) Step for Simulation-Based Competency Assessment in Critical Care*. <i>Critical Care Medicine</i> , 2018, 46, 1026-1027.	0.4	1
119	Perioperative TTE Service: Developing a Roadmap for Success. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 233-234.	0.6	1
120	Rebuttal to Con. <i>Respiratory Care</i> , 2022, 67, 618-619.	0.8	1
121	Neuromuscular blocking agent for emergent tracheal intubation. <i>Critical Care Medicine</i> , 2012, 40, 3111-3112.	0.4	0
122	Treating bacterial virulence systems: we are not there yet. <i>Intensive Care Medicine</i> , 2012, 38, 1087-1088.	3.9	0
123	Recent Findings Regarding Pathogenesis and Prevention of Ventilator- Associated Pneumonia. <i>Current Respiratory Medicine Reviews</i> , 2013, 9, 26-33.	0.1	0
124	Glucose Control in Pediatric Burn Patients. <i>Critical Care Medicine</i> , 2014, 42, 1315-1317.	0.4	0
125	Duration of Delirium and Postintensive Care Functional Outcome. <i>Critical Care Medicine</i> , 2014, 42, 466-467.	0.4	0
126	Adding a New Piece to the Transfusion Puzzle in Oncologic Surgery Patients. <i>Anesthesiology</i> , 2015, 123, 968-969.	1.3	0



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127	In Response. Anesthesia and Analgesia, 2016, 123, 1060-1061.	1.1	0
128	In Response. Anesthesia and Analgesia, 2017, 124, 1371-1372.	1.1	0
129	Look Homeward, Intensivist*. Critical Care Medicine, 2018, 46, 1015-1016.	0.4	0
130	Dicrotic Pulse Due to Abdominal Aortic Aneurysm. Journal of Cardiothoracic and Vascular Anesthesia, 2022, 36, 919-920.	0.6	0
131	Case Studies in Pediatric Critical Care. Anesthesiology, 2010, 113, 504-504.	1.3	0
132	Tegadermâ,,ç Trauma in the Operating Room. Anesthesiology, 2013, 119, 955-955.	1.3	0
133	Time to AIR OUT the Bias From Extubation Decision-Making*. Critical Care Medicine, 2021, 49, 2146-2149.	0.4	0
134	Reduced Effective Oxygen Delivery and Ventilation with a Surgical Facemask Placed under Compared to over an Oxygen Mask: A Comparative Study. Anesthesiology Research and Practice, 2022, 2022, 1-5.	0.2	0