

Evaluation of a Humidified Nasal High-Flow Oxygen System and Measurement of Upper Airway Pressures

Anaesthesia and Intensive Care

39, 1103-1110

DOI: [10.1177/0310057x1103900620](https://doi.org/10.1177/0310057x1103900620)

Citation Report

#	ARTICLE	IF	CITATIONS
1	High-Flow Nasal Cannula Therapy in Do-Not-Intubate Patients With Hypoxemic Respiratory Distress. <i>Respiratory Care</i> , 2013, 58, 597-600.	0.8	147
2	High-Flow Nasal Cannula Oxygen Therapy During Hypoxemic Respiratory Failure. <i>Respiratory Care</i> , 2012, 57, 1696-1698.	0.8	20
3	L'oxygénothérapie humidifiée à haut débit : une véritable innovation technologique pour les pneumologues et les réanimateurs. <i>Revue Des Maladies Respiratoires Actualites</i> , 2012, 4, 435-442.	0.0	0
4	Question 1: Is there a role for high-flow nasal cannula oxygen therapy to prevent endotracheal intubation in children with viral bronchiolitis?. <i>Archives of Disease in Childhood</i> , 2013, 98, 1018.1-1020.	1.0	3
6	Use of high flow nasal cannula in critically ill infants, children, and adults: a critical review of the literature. <i>Intensive Care Medicine</i> , 2013, 39, 247-257.	3.9	312
7	Non-EEG seizure-detection systems and potential SUDEP prevention: State of the art. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013, 22, 345-355.	0.9	85
8	Pressures Delivered By Nasal High Flow Oxygen During All Phases of the Respiratory Cycle. <i>Respiratory Care</i> , 2013, 58, 1621-1624.	0.8	247
9	Mechanisms of nasal high flow on ventilation during wakefulness and sleep. <i>Journal of Applied Physiology</i> , 2013, 114, 1058-1065.	1.2	139
10	Efficacy of High-Flow Oxygen by Nasal Cannula With Active Humidification in a Patient With Acute Respiratory Failure of Neuromuscular Origin. <i>Respiratory Care</i> , 2013, 58, e164-e167.	0.8	23
11	High-Flow Nasal Cannula Oxygen Therapy in the Emergency Department: Welcome, But Selection Should Be the First Step. <i>Respiratory Care</i> , 2013, 58, e66-e68.	0.8	2
12	High-Flow Nasal Cannula Versus Conventional Oxygen Therapy After Endotracheal Extubation: A Randomized Crossover Physiologic Study. <i>Respiratory Care</i> , 2014, 59, 485-490.	0.8	134
14	High-flow nasal cannula oxygen therapy for infants with bronchiolitis: Pilot study. <i>Journal of Paediatrics and Child Health</i> , 2014, 50, 373-378.	0.4	130
15	A reply. <i>Anaesthesia</i> , 2015, 70, 755-756.	1.8	1
16	Humidified High Flow Nasal Cannula Supportive Therapy Improves Outcomes in Lung Transplant Recipients Readmitted to the Intensive Care Unit Because of Acute Respiratory Failure. <i>Transplantation</i> , 2015, 99, 1092-1098.	0.5	82
17	Randomised control trial of humidified high flow nasal cannulae versus standard oxygen in the emergency department. <i>EMA - Emergency Medicine Australasia</i> , 2015, 27, 537-541.	0.5	70
18	Use of High-Flow Nasal Cannula for Acute Dyspnea and Hypoxemia in the Emergency Department. <i>Respiratory Care</i> , 2015, 60, 1377-1382.	0.8	113
19	Nasal high flow clears anatomical dead space in upper airway models. <i>Journal of Applied Physiology</i> , 2015, 118, 1525-1532.	1.2	216
20	For Critically Ill Patients, Is High-Flow Nasal Cannula Oxygen Delivery a Suitable Alternative to Mechanical Ventilation?. <i>Respiratory Care</i> , 2015, 60, 307-308.	0.8	0

#	ARTICLE	IF	CITATIONS
21	Transnasal Humidified Rapid \ddot{a} Ensuflation Ventilatory Exchange (THRIVE): a physiological method of increasing apnoea time in patients with difficult airways. <i>Anaesthesia</i> , 2015, 70, 323-329.	1.8	637
22	Modeling the pharyngeal pressure during adult nasal high flow therapy. <i>Respiratory Physiology and Neurobiology</i> , 2015, 219, 51-57.	0.7	23
23	High-Flow Nasal Cannula in a Mixed Adult ICU. <i>Respiratory Care</i> , 2015, 60, 1383-1389.	0.8	27
24	Heated Humidified High-Flow Nasal Oxygen in Adults. <i>Chest</i> , 2015, 148, 253-261.	0.4	317
25	High-flow nasal cannula oxygen therapy in adults. <i>Journal of Intensive Care</i> , 2015, 3, 15.	1.3	222
26	Effect of Very-High-Flow Nasal Therapy on Airway Pressure and End-Expiratory Lung Impedance in Healthy Volunteers. <i>Respiratory Care</i> , 2015, 60, 1397-1403.	0.8	137
28	Heated, humidified, high-flow nasal oxygen usage in the adult Emergency Department. <i>Australasian Emergency Nursing Journal</i> , 2016, 19, 173-178.	1.9	2
29	High-Flow Oxygen as Noninvasive Ventilation May Complicate Timely Intubation in Patients With Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2016, 44, e768-e769.	0.4	4
30	An Experimental and Numerical Investigation of CO ₂ Distribution in the Upper Airways During Nasal High Flow Therapy. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3007-3019.	1.3	22
31	Noninvasive ventilation versus oxygen therapy for the treatment of acute respiratory failure. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 813-821.	1.0	6
32	Application of high-flow nasal cannula in the ED for patients with solid malignancy. <i>American Journal of Emergency Medicine</i> , 2016, 34, 2222-2223.	0.7	6
33	Non-EEG seizure detection systems and potential SUDEP prevention: State of the art. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 41, 141-153.	0.9	91
34	Oxygen Therapy in the Elderly: When Nasal Cannula Is Not Enough. <i>Current Geriatrics Reports</i> , 2016, 5, 283-288.	1.1	1
35	Noninvasive Ventilation. <i>Clinics in Chest Medicine</i> , 2016, 37, 711-721.	0.8	44
36	High flow nasal cannula versus conventional oxygen therapy and non-invasive ventilation in adults with acute hypoxemic respiratory failure: A systematic review. <i>Respiratory Medicine</i> , 2016, 121, 100-108.	1.3	87
37	Nasal high-flow oxygen and critical care tariffs. <i>Journal of the Intensive Care Society</i> , 2016, 17, 269-269.	1.1	0
38	A Technique for Bronchoscopic Intubation During High-Flow Nasal Cannula Oxygen Therapy. <i>Journal of Intensive Care Medicine</i> , 2016, 31, 213-215.	1.3	10
39	High-Flow Nasal Cannula Oxygen Therapy in Adults: Physiological Benefits, Indication, Clinical Benefits, and Adverse Effects. <i>Respiratory Care</i> , 2016, 61, 529-541.	0.8	311

#	ARTICLE	IF	CITATIONS
40	Early Treatment of Severe Acute Respiratory Distress Syndrome. <i>Emergency Medicine Clinics of North America</i> , 2016, 34, 1-14.	0.5	11
41	High-flow nasal oxygen therapy. <i>BJA Education</i> , 2017, 17, 63-67.	0.6	40
42	The effectiveness of apneic oxygenation during tracheal intubation in various clinical settings: a narrative review. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 416-427.	0.7	65
43	Can High-flow Nasal Cannula Reduce the Rate of Endotracheal Intubation in Adult Patients With Acute Respiratory Failure Compared With Conventional Oxygen Therapy and Noninvasive Positive Pressure Ventilation?. <i>Chest</i> , 2017, 151, 764-775.	0.4	141
44	Humidity and Inspired Oxygen Concentration During High-Flow Nasal Cannula Therapy in Neonatal and Infant Lung Models. <i>Respiratory Care</i> , 2017, 62, 532-537.	0.8	16
45	Lights! Oxygen! Action! Hollywood anaesthesia is coming to a theatre near you. <i>British Journal of Anaesthesia</i> , 2017, 118, 489-491.	1.5	4
46	Apnoeic oxygenation in adults under general anaesthesia using Transnasal Humidified Rapid-Insufflation Ventilatory Exchange (THRIVE) – a physiological study. <i>British Journal of Anaesthesia</i> , 2017, 118, 610-617.	1.5	273
47	A prospective cohort study of awake fiberoptic intubation practice at a tertiary centre. <i>Anaesthesia</i> , 2017, 72, 694-703.	1.8	87
48	BTS guideline for oxygen use in adults in healthcare and emergency settings. <i>Thorax</i> , 2017, 72, ii1-ii90.	2.7	423
49	Use of Nasal High Flow in Stable COPD: Rationale and Physiology. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2017, 14, 346-350.	0.7	51
50	Physiological effects of titrated oxygen via nasal high-flow cannulae in COPD exacerbations: A randomized controlled crossover trial. <i>Respirology</i> , 2017, 22, 1149-1155.	1.3	78
51	Evaluation of oxygen administration with a high-flow nasal cannula to clinically normal dogs. <i>American Journal of Veterinary Research</i> , 2017, 78, 624-630.	0.3	23
52	Positive End-Expiratory Pressure Effect of 3 High-Flow Nasal Cannula Devices. <i>Respiratory Care</i> , 2017, 62, 888-895.	0.8	35
53	Role of high flow nasal oxygen in the management of a case of anaesthesia related aspiration pneumonia. <i>Journal of Clinical Anesthesia</i> , 2017, 38, 72-73.	0.7	1
54	Apnoeic oxygenation during maternal cardiac arrest in a parturient with extreme obesity. <i>International Journal of Obstetric Anesthesia</i> , 2017, 29, 88-90.	0.2	7
55	Evaluation by various methods of the physiological mechanism of a high-flow nasal cannula (HFNC) in healthy volunteers. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000200.	1.2	26
56	Apnoeic oxygenation with high-flow nasal oxygen for laryngeal surgery: a case series. <i>Anaesthesia</i> , 2017, 72, 1379-1387.	1.8	66
57	The use of high-flow nasal cannula (HFNC) as respiratory support in neonatal and pediatric intensive care units in Germany – A nationwide survey. <i>Respiratory Medicine</i> , 2017, 131, 210-214.	1.3	23

#	ARTICLE	IF	CITATIONS
58	Optimum support by high-flow nasal cannula in acute hypoxemic respiratory failure: effects of increasing flow rates. <i>Intensive Care Medicine</i> , 2017, 43, 1453-1463.	3.9	180
59	High-Flow Nasal Oxygen in Patient With Obstructive Sleep Apnea Undergoing Awake Craniotomy. <i>A & A Case Reports</i> , 2017, 9, 353-356.	0.7	6
60	Nasal high flow therapy: a novel treatment rather than a more expensive oxygen device. <i>European Respiratory Review</i> , 2017, 26, 170028.	3.0	54
61	Preoxygenation: Physiologic Basis, Benefits, and Potential Risks. <i>Anesthesia and Analgesia</i> , 2017, 124, 507-517.	1.1	267
62	F _{IO₂} in an Adult Model Simulating High-Flow Nasal Cannula Therapy. <i>Respiratory Care</i> , 2017, 62, 193-198.	0.8	40
63	Nitrous Oxide Inhalation Sedation Through a Nasal High-Flow System: The Possibility of a New Technique in Dental Sedation. <i>Anesthesia Progress</i> , 2017, 64, 175-177.	0.2	1
64	Can high-flow nasal cannula reduce the rate of reintubation in adult patients after extubation? A meta-analysis. <i>BMC Pulmonary Medicine</i> , 2017, 17, 142.	0.8	37
65	High-Flow, Heated, Humidified Air Via Nasal Cannula Treats CPAP-Intolerant Children With Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 981-989.	1.4	66
66	High-Flow Nasal Cannula Therapy: Principles and Potential Use in Obese Patients. , 2018, , 215-227.		0
67	Use of high-flow nasal cannula in obese patients receiving colonoscopy under intravenous propofol sedation: A case series. <i>Respiratory Medicine Case Reports</i> , 2018, 23, 118-121.	0.2	12
68	Effect of High-Flow Nasal Cannula Oxygen Therapy Versus Conventional Oxygen Therapy and Noninvasive Ventilation on Reintubation Rate in Adult Patients After Extubation: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Journal of Intensive Care Medicine</i> , 2018, 33, 609-623.	1.3	64
69	The effect of high-flow nasal cannula in reducing the mortality and the rate of endotracheal intubation when used before mechanical ventilation compared with conventional oxygen therapy and noninvasive positive pressure ventilation. A systematic review and meta-analysis. <i>American Journal of Emergency Medicine</i> . 2018. 36. 226-233.	0.7	89
70	Effect of High-Flow Nasal Cannula on Expiratory Pressure and Ventilation in Infant, Pediatric, and Adult Models. <i>Respiratory Care</i> , 2018, 63, 147-157.	0.8	61
71	Nasal high flow therapy and PtCO ₂ in stable COPD: A randomized controlled crossover trial. <i>Respirology</i> , 2018, 23, 378-384.	1.3	29
72	High-Flow Oxygen Therapy. , 2018, , 171-183.		0
73	High-flow nasal oxygen therapy in intensive care and anaesthesia. <i>British Journal of Anaesthesia</i> , 2018, 120, 18-27.	1.5	208
74	Update: non-invasive ventilation in chronic obstructive pulmonary disease. <i>Journal of Thoracic Disease</i> , 2018, 10, S71-S79.	0.6	26
75	Ventilatory support after extubation in critically ill patients. <i>Lancet Respiratory Medicine</i> , 2018, 6, 948-962.	5.2	39

#	ARTICLE	IF	CITATIONS
76	High flow nasal cannula in the emergency department: indications, safety and effectiveness. Expert Review of Medical Devices, 2018, 15, 929-935.	1.4	5
77	High flow nasal therapy in perioperative medicine: from operating room to general ward. BMC Anesthesiology, 2018, 18, 166.	0.7	32
78	Efficacy and Tolerability of High-Flow Nasal Cannula Oxygen Therapy for Hypoxemic Respiratory Failure in Patients with Interstitial Lung Disease with Do-Not-Intubate Orders: A Retrospective Single-Center Study. Respiration, 2018, 96, 323-329.	1.2	63
79	Pathophysiology of Apnea, Hypoxia, and Preoxygenation. , 2018, , .		3
80	Management of acute respiratory failure in interstitial lung diseases: overview and clinical insights. BMC Pulmonary Medicine, 2018, 18, 70.	0.8	53
81	High-flow nasal oxygen vs. standard oxygen therapy in immunocompromised patients with acute respiratory failure: study protocol for a randomized controlled trial. Trials, 2018, 19, 157.	0.7	11
82	A Review of Heated High-Flow Nasal Cannula in Pediatrics From Critical Care to Ward Use. Current Treatment Options in Pediatrics, 2018, 4, 319-329.	0.2	0
83	Prospective Experience of High-flow Nasal Oxygen During Bronchoscopy in 182 Patients. Journal of Bronchology and Interventional Pulmonology, 2019, 26, 66-70.	0.8	18
84	Factors affecting FiO ₂ and PEEP during high-flow nasal cannula oxygen therapy: A bench study. Clinical Respiratory Journal, 2019, 13, 758-764.	0.6	10
85	Use High-Flow Nasal Cannula for Acute Respiratory Failure Patients in the Emergency Department: A Meta-Analysis Study. Emergency Medicine International, 2019, 2019, 1-10.	0.3	8
86	Dose Response to Transnasal Pulmonary Administration of Bronchodilator Aerosols via Nasal High-Flow Therapy in Adults with Stable Chronic Obstructive Pulmonary Disease and Asthma. Respiration, 2019, 98, 401-409.	1.2	17
87	Add-on interventions during pulmonary rehabilitation. Respirology, 2019, 24, 899-908.	1.3	8
88	Noninvasive Respiratory Support for Postextubation Respiratory Failure. Respiratory Care, 2019, 64, 658-678.	0.8	10
89	The Double-Trunk Mask Improves Oxygenation During High-Flow Nasal Cannula Therapy for Acute Hypoxemic Respiratory Failure. Respiratory Care, 2019, 64, 908-914.	0.8	14
90	Long-term ventilation in children. Paediatrics and Child Health (United Kingdom), 2019, 29, 167-171.	0.2	13
91	Comparison of high flow nasal cannula oxygen administration to traditional nasal cannula oxygen therapy in healthy dogs. Journal of Veterinary Emergency and Critical Care, 2019, 29, 246-255.	0.4	26
92	Pre- and Apnoeic high flow oxygenation for RAPid sequence intubation in The Emergency department (Pre-AeRATE): study protocol for a multicentre, randomised controlled trial. Trials, 2019, 20, 195.	0.7	8
93	Physiopathological rationale of using high-flow nasal therapy in the acute and chronic setting: A narrative review. Trends in Anaesthesia and Critical Care, 2019, 26-27, 22-29.	0.4	17

#	ARTICLE	IF	CITATIONS
94	A physiological study to determine the mechanism of carbon dioxide clearance during apnoea when using transnasal humidified rapid insufflation ventilatory exchange (THRIVE). <i>Anaesthesia</i> , 2019, 74, 441-449.	1.8	81
95	Uses and mechanisms of apnoeic oxygenation: a narrative review. <i>Anaesthesia</i> , 2019, 74, 497-507.	1.8	80
96	Comparison of pre-oxygenation using spontaneous breathing through face mask and high-flow nasal oxygen. <i>European Journal of Anaesthesiology</i> , 2019, 36, 335-341.	0.7	33
97	Transnasal Humidified Rapid-Insufflation Ventilatory Exchange for Deep Sedation in a Lung Transplant Candidate With Severe Cystic Fibrosis. <i>A&A Practice</i> , 2019, 12, 444-446.	0.2	1
98	How to treat patients with acute respiratory failure? Conventional oxygen therapy versus high-flow nasal cannula in the emergency department. <i>Hong Kong Journal of Emergency Medicine</i> , 2022, 29, 84-93.	0.4	4
99	High-Flow Nasal Oxygen Improves Safe Apnea Time in Morbidly Obese Patients Undergoing General Anesthesia: A Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2019, 129, 1130-1136.	1.1	78
100	Preoxygenation during induction of anesthesia in non-critically ill patients: A systematic review. <i>Journal of Clinical Anesthesia</i> , 2019, 52, 85-90.	0.7	10
101	Effect of High-Flow Nasal Cannula on Thoraco-Abdominal Synchrony in Pediatric Subjects After Cardiac Surgery. <i>Respiratory Care</i> , 2019, 64, 10-16.	0.8	9
102	High-flow versus standard nasal cannula in morbidly obese patients during colonoscopy: A prospective, randomized clinical trial. <i>Journal of Clinical Anesthesia</i> , 2019, 54, 19-24.	0.7	70
103	Mechanical Ventilation and Advanced Respiratory Support in the Cardiac Intensive Care Unit. , 2019, , 548-557.e5.		0
104	A review of the use of transnasal humidified rapid insufflation ventilatory exchange for patients undergoing surgery in the shared airway setting. <i>Journal of Anesthesia</i> , 2020, 34, 134-143.	0.7	30
105	High-Flow Nasal Cannula Therapy With Early Extubation for Subjects Undergoing Off-Pump Coronary Artery Bypass Graft Surgery. <i>Respiratory Care</i> , 2020, 65, 183-190.	0.8	14
106	In vitro comparison of unit dose vs infusion pump administration of albuterol via high-flow nasal cannula in toddlers. <i>Pediatric Pulmonology</i> , 2020, 55, 322-329.	1.0	8
107	Effects of flow on carbon dioxide washout and nasal airway pressure in healthy adult volunteers during the constant-flow mode in a non-invasive ventilator. <i>Chinese Medical Journal</i> , 2020, 133, 2515-2517.	0.9	3
108	The combination of inspiratory muscle training and high-flow nasal cannula oxygen therapy for promoting weaning outcomes in difficult-to-wean patients: protocol for a randomised controlled trial. <i>ERJ Open Research</i> , 2020, 6, 00088-2020.	1.1	1
109	Feasibility of high-flow nasal oxygen therapy and two-stage sedation during endoscopic hypopharyngeal therapy. <i>JGH Open</i> , 2020, 4, 743-748.	0.7	4
110	Utility of oxygen insufflation through working channel during fiberoptic intubation in apneic patients: a prospective randomized controlled study. <i>BMC Anesthesiology</i> , 2020, 20, 282.	0.7	4
111	Impact of Surfactant Protein-A Variants on Survival in Aged Mice in Response to <i>Klebsiella pneumoniae</i> Infection and Ozone: Serendipity in Action. <i>Microorganisms</i> , 2020, 8, 1276.	1.6	8

#	ARTICLE	IF	CITATIONS
112	Use of nasal high flow oxygen during acute respiratory failure. <i>Intensive Care Medicine</i> , 2020, 46, 2238-2247.	3.9	109
113	High-flow nasal cannula oxygen therapy as an emerging option for respiratory failure: the present and the future. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232092010.	1.1	41
114	Preventive use of respiratory support after scheduled extubation in critically ill medical patients—a network meta-analysis of randomized controlled trials. <i>Critical Care</i> , 2020, 24, 370.	2.5	13
115	Year in Review 2019: High-Flow Nasal Cannula Oxygen Therapy for Adult Subjects. <i>Respiratory Care</i> , 2020, 65, 545-557.	0.8	39
116	Preliminary evaluation of the use of high-flow nasal cannula oxygen therapy during recovery from general anesthesia in dogs with obstructive upper airway breathing. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 487-492.	0.4	12
117	Effectiveness and harms of high-flow nasal oxygen (HFNO) for acute respiratory failure: a systematic review protocol. <i>BMJ Open</i> , 2020, 10, e034956.	0.8	2
118	High-flow nasal cannula oxygen therapy in acute hypoxemic respiratory failure in 22 dogs requiring oxygen support escalation. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 364-375.	0.4	19
119	High-Flow Nasal Cannula: A Promising Oxygen Therapy for Patients with Severe Bronchial Asthma Complicated with Respiratory Failure. <i>Canadian Respiratory Journal</i> , 2020, 2020, 1-7.	0.8	21
120	The Clinical Impact of Flow Titration on Epoprostenol Delivery via High Flow Nasal Cannula for ICU Patients with Pulmonary Hypertension or Right Ventricular Dysfunction: A Retrospective Cohort Comparison Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 464.	1.0	18
121	Nasal High Flow Use in COPD Patients with Hypercapnic Respiratory Failure: Treatment Algorithm & Review of the Literature. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2020, 17, 101-111.	0.7	13
122	Effects of high-flow nasal cannula in patients with persistent hypercapnia after an acute COPD exacerbation: a prospective pilot study. <i>BMC Pulmonary Medicine</i> , 2020, 20, 12.	0.8	25
123	High-flow nasal cannula versus conventional oxygen therapy in patients with dyspnea and hypoxemia before hospitalization. <i>Expert Review of Respiratory Medicine</i> , 2020, 14, 425-433.	1.0	6
124	Transnasal humidified rapid insufflation ventilatory exchange vs. facemask oxygenation in elderly patients undergoing general anaesthesia: a randomized controlled trial. <i>Scientific Reports</i> , 2020, 10, 5745.	1.6	27
125	Multimorbidity and Critical Care Neurosurgery: Minimizing Major Perioperative Cardiopulmonary Complications. <i>Neurocritical Care</i> , 2021, 34, 1047-1061.	1.2	10
126	The efficacy of the WhisperFlow CPAP system versus high flow nasal cannula in patients at risk for postextubation failure: A Randomized controlled trial. <i>Journal of Critical Care</i> , 2021, 63, 117-123.	1.0	10
127	Exploring the limits of prolonged apnoea with high-flow nasal oxygen: an observational study. <i>Anaesthesia</i> , 2021, 76, 798-804.	1.8	14
128	A pediatric high-flow nasal cannula protocol standardizes initial flow and expedites weaning. <i>Pediatric Pulmonology</i> , 2021, 56, 1189-1197.	1.0	9
129	A Rationale for Use of High Flow Nasal Cannula for Select Patients With Suspected or Confirmed Severe Acute Respiratory Syndrome Coronavirus-2 Infection. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 9-17.	1.3	17

#	ARTICLE	IF	CITATIONS
130	Measurement of airway pressure during high-flow nasal therapy in apnoeic oxygenation: a randomised controlled crossover trial[*]. <i>Anaesthesia</i> , 2021, 76, 27-35.	1.8	29
131	High-flow nasal cannula and bilevel positive airway pressure for pediatric status asthmaticus: a single center, retrospective descriptive and comparative cohort study. <i>Journal of Asthma</i> , 2021, , 1-13.	0.9	2
132	Use of high flow oxygen (HFO) for difficult airway management in Jael syndrome: a case report. <i>Journal of Emergency and Critical Care Medicine</i> , 0, 5, 35-35.	0.7	0
133	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
134	Airway management in hospital. Methodological recommendations of the All-Russian public organization "Federation of Anesthesiologists and Reanimatologists" (third edition). <i>Alexander Saltanov Intensive Care Herald</i> , 2021, , 17-81.	0.2	1
135	Physiological Effects of High-Flow Nasal Cannula Therapy and Its Use in Acute Cardiogenic Pulmonary Edema. <i>Cureus</i> , 2021, 13, e13372.	0.2	4
136	A comparison of gastric gas volumes measured by computed tomography after high-flow nasal oxygen therapy or conventional facemask ventilation[*]. <i>Anaesthesia</i> , 2021, 76, 1184-1189.	1.8	11
137	Narrative review of practical aspects of aerosol delivery via high-flow nasal cannula. <i>Annals of Translational Medicine</i> , 2021, 9, 590-590.	0.7	11
138	Worldwide Clinical Practice of High-Flow Nasal Cannula and Concomitant Aerosol Therapy in the Adult ICU Setting. <i>Respiratory Care</i> , 2021, 66, 1416-1424.	0.8	14
139	The Role of High Flow Nasal Cannula in COVID-19 Associated Pneumomediastinum and Pneumothorax. <i>Healthcare (Switzerland)</i> , 2021, 9, 620.	1.0	11
140	High Flow Oxygen Therapy at Two Initial Flow Settings versus Conventional Oxygen Therapy in Cardiac Surgery Patients with Postextubation Hypoxemia: A Single-Center, Unblinded, Randomized, Controlled Trial. <i>Journal of Clinical Medicine</i> , 2021, 10, 2079.	1.0	11
141	Nasal high flow oxygen in acute respiratory failure. <i>Pulmonology</i> , 2021, 27, 240-247.	1.0	16
142	Effects of high flow nasal cannula on exercise endurance in patients with chronic obstructive pulmonary disease. <i>Journal of the Formosan Medical Association</i> , 2022, 121, 381-387.	0.8	7
143	High-flow nasal oxygen for gastrointestinal endoscopy improves respiratory safety. <i>British Journal of Anaesthesia</i> , 2021, 127, 7-11.	1.5	3
144	Effectiveness and Harms of High-Flow Nasal Oxygen for Acute Respiratory Failure: An Evidence Report for a Clinical Guideline From the American College of Physicians. <i>Annals of Internal Medicine</i> , 2021, 174, 952-966.	2.0	19
145	Noninvasive Tidal Volume Measurements, Using a Time-of-Flight Camera, Under High-Flow Nasal Cannula" A Physiological Evaluation, in Healthy Volunteers*. <i>Critical Care Medicine</i> , 2022, 50, e61-e70.	0.4	9
146	Automatic versus manual oxygen titration using a novel nasal high-flow device in medical inpatients with an acute illness: a randomised controlled trial. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000843.	1.2	7
147	Pharyngeal pressure due to high-flow nasal cannula devices in preterm infants. <i>Pediatrics International</i> , 2021, 63, 1212-1217.	0.2	0

#	ARTICLE	IF	CITATIONS
148	High-flow nasal cannula versus face mask for preoxygenation in obese patients: A randomised controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 1381-1389.	0.7	12
149	Should high-flow through nasal cannula be used during bronchoscopy in critically ill patients with hypoxic acute respiratory failure?. <i>Journal of Anesthesia, Analgesia and Critical Care</i> , 2021, 1, .	0.5	0
150	High flow versus conventional nasal cannula for oxygenation and ventilation maintenance during surgery with intravenous deep sedation by propofol: a randomized controlled study. <i>BMC Anesthesiology</i> , 2021, 21, 214.	0.7	6
151	The effect of heated humidified nasal high flow oxygen supply on exercise tolerance in patients with interstitial lung disease: A pilot study. <i>Respiratory Medicine</i> , 2021, 186, 106523.	1.3	5
152	High-Flow Nasal Cannula and COVID-19: A Clinical Review. <i>Respiratory Care</i> , 2022, 67, 227-240.	0.8	51
153	Nasal high flow oxygen therapy in hospitalised neonatal foals. <i>Equine Veterinary Journal</i> , 2022, 54, 946-951.	0.9	5
154	Comparison of Oxygen Saturation Between Nasal High-Flow Oxygen and Conventional Nasal Cannula in Obese Patients Undergoing Dental Procedures With Deep Sedation: A Randomized Crossover Trial. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 1842-1850.	0.5	6
155	Late Failure of High-Flow Nasal Cannula May Be Associated with High Mortality in COVID-19 Patients: A Multicenter Retrospective Study in the Republic of Korea. <i>Journal of Personalized Medicine</i> , 2021, 11, 989.	1.1	7
156	Initial management of blunt and penetrating neck trauma. <i>BJA Education</i> , 2021, 21, 329-335.	0.6	9
157	Effect of High-Flow Nasal Cannula Oxygen Therapy on Pediatric Patients With Congenital Heart Disease in Procedural Sedation: A Prospective, Randomized Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2913-2919.	0.6	9
158	Toward Optimal Acute Respiratory Distress Syndrome Outcomes. <i>Critical Care Clinics</i> , 2021, 37, 733-748.	1.0	1
159	Effects of different high-flow nasal cannula flow rates on swallowing function. <i>Clinical Biomechanics</i> , 2021, 89, 105477.	0.5	6
160	High flow nasal cannula for adult acute hypoxic respiratory failure in the ED setting. <i>American Journal of Emergency Medicine</i> , 2021, 49, 352-359.	0.7	10
161	Long Term Ventilation in Children. , 2022, , 330-362.		0
163	High-flow nasal cannula therapy for initial oxygen administration in acute hypercapnic respiratory failure: study protocol of randomised controlled unblinded trial. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000853.	1.2	0
165	High-flow therapy: physiological effects and clinical applications. <i>Breathe</i> , 2020, 16, 200224.	0.6	24
166	High-Flow Nasal Cannula Oxygen in Patients Having Anesthesia for Advanced Esophagogastroduodenoscopy: HIFLOW-ENDO, a Randomized Clinical Trial. <i>Anesthesia and Analgesia</i> , 2021, 132, 743-751.	1.1	35
167	Comparing the Effectiveness of Nasal Continuous Positive Airway Pressure (NCPAP) and High Flow Nasal Cannula (HFNC) in Prevention of Post Extubation Assisted Ventilation. <i>Zahedan Journal of Researches in Medical Sciences</i> , 2015, 17, .	0.1	16

#	ARTICLE	IF	CITATIONS
168	The use of transnasal humidified rapid insufflation ventilatory exchange in laryngeal and pharyngeal surgery: Flinders case series. <i>Australian Journal of Otolaryngology</i> , 0, 2, 17-17.	0.0	14
169	High Flow Through Nasal Cannula in Stable and Exacerbated Chronic Obstructive Pulmonary Disease Patients. <i>Reviews on Recent Clinical Trials</i> , 2019, 14, 247-260.	0.4	20
170	High-flow nasal cannula oxygenation reduces postoperative hypoxemia in morbidly obese patients: a randomized controlled trial. <i>Minerva Anestesiologica</i> , 2019, 85, 1062-1070.	0.6	19
171	Sedation in digestive endoscopy: innovations for an old technique. <i>Minerva Anestesiologica</i> , 2020, 86, 565-570.	0.6	7
172	High Flow Conditioned Oxygen Therapy for Prevention of Reintubation in Critically Ill Patients: A Preliminary Cohort Study. <i>International Journal of Critical Care and Emergency Medicine</i> , 2015, 1, .	0.1	6
173	Can a high-flow nasal cannula substitute for noninvasive positive pressure ventilation in post-extubation respiratory failure?. <i>Korean Journal of Internal Medicine</i> , 2016, 31, 36-39.	0.7	3
174	High-flow nasal oxygenation for anesthetic management. <i>Korean Journal of Anesthesiology</i> , 2019, 72, 527-547.	0.9	34
175	Closed-Loop Oxygen Control Using a Novel Nasal High-Flow Device: A Randomized Crossover Trial. <i>Respiratory Care</i> , 2021, 66, 416-424.	0.8	7
176	Efficacy and Safety of Using High-Flow Nasal Oxygenation in Patients Undergoing Rapid Sequence Intubation. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2018, 45, 335-339.	0.8	16
177	Reply to: Contemporary treatment of children with critical and near-fatal asthma. <i>Revista Brasileira De Terapia Intensiva</i> , 2016, 28, 358-359.	0.1	2
178	Oxygen Delivery Systems and Nasally Ventilated Patients. , 2021, , 45-63.		0
179	Effects of high flow nasal cannula on the coordination between swallowing and breathing in postextubation patients, a randomized crossover study. <i>Critical Care</i> , 2021, 25, 365.	2.5	4
180	Facemask or high-flow nasal oxygenation: time to switch?. <i>Anaesthesia</i> , 2022, 77, 7-11.	1.8	8
181	A pediatric case managed with high-flow nasal cannula oxygen during weaning from mechanical ventilation. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2014, 21, 285-286.	0.0	0
182	Between oxygen therapy and noninvasive positive pressure ventilation. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2015, 22, 181-183.	0.0	0
185	Comparison between the effect of heated and humidified high-flow nasal oxygen and conventional oxygen during acute hypoxemic respiratory failure. <i>Egyptian Journal of Bronchology</i> , 2017, 11, 224-230.	0.3	0
186	Use of Airvo ² in Critically Ill Pediatric Patients During Procedural Sedation: A Case Report. <i>Journal of Research & Innovation in Anesthesia</i> , 2018, 3, 70-72.	0.0	0
187	Y a-t-il une place pour l'oxygénothérapie nasale à haut débit dans l'insuffisance respiratoire aiguë? <i>Medicine Intensive Reanimation</i> , 2018, 27, 7-24.	0.1	0

#	ARTICLE	IF	CITATIONS
188	Use of high-flow nasal cannula for emergency pericardiocentesis in a case of anterior mediastinal mass. Saudi Journal of Anaesthesia, 2018, 12, 161.	0.2	1
189	Preoxygenation: terminology, physiological basis, techniques, efficiency increasing methods, features in critical patients, possible risks. Emergency Medicine, 2018, .	0.0	0
190	High-flow nasal cannula therapies for respiratory management in pediatric patients. Minerva Pediatrica, 2018, 70, 488-492.	2.6	1
191	Noninvasive Ventilation in the Perioperative Period. , 2019, , 115-133.		0
192	Effect of High-Flow Nasal Cannula on Sleep-disordered Breathing and Sleep Quality in Patients With Acute Stroke. Cureus, 2020, 12, e9303.	0.2	1
193	Physiological responses and perceived comfort to high-flow nasal cannula therapy in awake adults: effects of flow magnitude and temperature. Journal of Applied Physiology, 2021, 131, 1772-1782.	1.2	8
194	A Review of High Flow Nasal Cannula Oxygen Therapy in Human and Veterinary Medicine. Topics in Companion Animal Medicine, 2022, 46, 100596.	0.4	4
195	Physiometric Response to High-Flow Nasal Cannula Support in Acute Bronchiolitis. Hospital Pediatrics, 2021, 11, 94-99.	0.6	4
196	High-Flow Nasal Cannula Oxygen Therapy in Patients with Chronic Respiratory Disease. , 2020, , 83-89.		0
197	Respiratory Support During Pulmonary Artery Thromboembolism (Review). Obshchaya Reanimatologiya, 2020, 16, 73-85.	0.2	0
198	Response to comments on "Awake supraglottic airway guided flexible bronchoscopic intubation in patients with anticipated difficult airways: a case series and narrative review". Korean Journal of Anesthesiology, 2020, 73, 175-176.	0.9	0
199	Noninvasive respiratory support for acute respiratory failure-high flow nasal cannula oxygen or non-invasive ventilation?. Journal of Thoracic Disease, 2015, 7, 1092-7.	0.6	16
200	High-flow nasal cannula therapy for patients with blunt thoracic injury: A retrospective study. Canadian Journal of Respiratory Therapy, 2016, 52, 110-113.	0.2	7
201	Optimizing high-flow nasal cannula flow settings in adult hypoxemic patients based on peak inspiratory flow during tidal breathing. Annals of Intensive Care, 2021, 11, 164.	2.2	8
202	A combination of Bohr and Haldane effects provide a physiologic explanation for the increase in arterial oxygen saturation when a face mask is added to a high-flow nasal cannula in severely hypoxemic COVID-19 patients. Critical Care, 2021, 25, 395.	2.5	2
203	Efficacy of high flow nasal oxygenation against hypoxemia in sedated patients receiving gastrointestinal endoscopic procedures: A systematic review and meta-analysis. Journal of Clinical Anesthesia, 2022, 77, 110651.	0.7	20
204	The efficacy of high flow nasal oxygenation for maintaining maternal oxygenation during rapid sequence induction in pregnancy. European Journal of Anaesthesiology, 2021, 38, 1052-1058.	0.7	28
205	High-Flow Nasal Oxygenation and Its Applicability in COVID Patients. SN Comprehensive Clinical Medicine, 2022, 4, 49.	0.3	0

#	ARTICLE	IF	CITATIONS
206	Risk of airway fire with the use of KTP laser and high flow humidified oxygen delivery in a laryngeal surgery model. <i>Scientific Reports</i> , 2022, 12, 543.	1.6	8
208	The effectiveness of high-flow nasal cannula during sedated digestive endoscopy: a systematic review and meta-analysis. <i>European Journal of Medical Research</i> , 2022, 27, 30.	0.9	12
209	High flow nasal catheter therapy versus non-invasive positive pressure ventilation in acute respiratory failure (RENOVATE trial): protocol and statistical analysis plan. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2022, 24, 61-70.	0.0	2
210	ERS International Virtual Congress 2021: Highlights from the Turkish Thoracic Society Early Career Members. , 2022, 23, 173-184.		0
211	Pre- and apnoeic high-flow oxygenation for rapid sequence intubation in the emergency department (the Pre-AeRATE trial): A multicentre randomised controlled trial. <i>Annals of the Academy of Medicine, Singapore</i> , 2022, 51, 149-160.	0.2	3
212	Current Practice of High Flow through Nasal Cannula in Exacerbated COPD Patients. <i>Healthcare (Switzerland)</i> , 2022, 10, 536.	1.0	3
213	Noninvasive ventilation in children: A review for the pediatric anesthesiologist. <i>Paediatric Anaesthesia</i> , 2022, 32, 262-272.	0.6	2
214	Effect of high-flow nasal oxygen on postoperative oxygenation in obese patients: A randomized controlled trial. <i>Health Science Reports</i> , 2022, 5, e616.	0.6	4
215	Principles of Phonosurgery. <i>International Journal of Head and Neck Surgery</i> , 2022, 12, 144-152.	0.1	0
217	High-flow nasal cannula compared with continuous positive airway pressure: a bench and physiological study. <i>Journal of Applied Physiology</i> , 2022, 132, 1580-1590.	1.2	17
218	High-flow nasal cannula-induced bilateral pneumothorax: A case report. <i>Journal of Intensive Care Medicine</i> , 2019, 30, 153-156.	0.0	0
220	Effectiveness of high-flow nasal cannula on pulmonary rehabilitation in subjects with chronic respiratory failure. <i>Respiratory Investigation</i> , 2022, 60, 658-666.	0.9	6
221	Fraction of Inspired Oxygen With Low-Flow Versus High-Flow Devices: A Simulation Study. <i>Cureus</i> , 2022, , .	0.2	1
222	High-Flow Nasal Cannula Oxygen Therapy: Physiological Mechanisms and Clinical Applications in Children. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	6
224	High-flow nasal cannula: Evaluation of the perceptions of various performance aspects among Chinese clinical staff and establishment of a multidimensional clinical evaluation system. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	0
225	Noninvasive Mechanical Ventilation. <i>Emergency Medicine Clinics of North America</i> , 2022, , .	0.5	0
226	The Use of High-Flow Nasal Oxygen Therapy in the Management of Severe Acute Exacerbation of Chronic Obstructive Pulmonary Disease: A Feasibility Study. , 2022, 23, 336-342.		1
227	A propensity score-adjusted analysis of efficacy of high-flow nasal oxygen during awake tracheal intubation. <i>Scientific Reports</i> , 2022, 12, .	1.6	0

#	ARTICLE	IF	CITATIONS
229	Feasibility and safety of THRIVE in transoral laser microsurgery. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2022, 43, 103605.	0.6	4
231	Changes in lung volume estimated by electrical impedance tomography during apnea and high-flow nasal oxygenation: A single-center randomized controlled trial. <i>PLoS ONE</i> , 2022, 17, e0273120.	1.1	2
232	<scp>Optiflowâ„¢</scp> Switch: A design modification that can extend safe apnoeic oxygenation (<scp>THRIVE</scp>) time for tubeless airway surgery. A case series. <i>Clinical Otolaryngology</i> , 2023, 48, 83-87.	0.6	2
233	The optimal management of the patient with COVIDâ€19 pneumonia: HFNC, NIV/CPAP or mechanical ventilation?. <i>African Journal of Thoracic and Critical Care Medicine</i> , 0, , 119-128.	0.3	3
234	Efficacy of high-flow oxygen insufflation during one-lung ventilation. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2022, , 18.	0.2	2
235	Efficacy of preventive use of oxygen therapy after planned extubation in high-risk patients with extubation failure: A network meta-analysis of randomized controlled trials. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	0
236	Incidence of oxygen desaturation using a high-flow nasal cannula versus a facemask during flexible bronchoscopy in patients at risk of hypoxemia: a randomised controlled trial. <i>BMC Pulmonary Medicine</i> , 2022, 22, .	0.8	1
237	Home High-Flow Oxygen Therapy Should Be Considered in Patients With COPD and Chronic Respiratory Failure. <i>Archivos De Bronconeumologia</i> , 2023, 59, 5-6.	0.4	0
238	Non-rebreather mask and low-flow nasal cannula vs high-flow nasal cannula in severe COVIDâˆ²19 pneumonia in the emergency department. <i>American Journal of Emergency Medicine</i> , 2023, 63, 86-93.	0.7	3
239	Efficacy of high-flow nasal oxygenation compared with laryngeal mask airway in children undergoing ambulatory oral surgery under deep sedation: A randomized controlled non-inferiority trial. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	1
240	High-flow nasal oxygen for suspension laryngoscopy: a multicenter open-label study. <i>Journal of International Medical Research</i> , 2022, 50, 030006052211406.	0.4	0
241	Comparison of high-flow nasal cannula and conventional oxygen therapy for high-risk patients during bronchoscopy examination: protocol for a randomized controlled trial. <i>Trials</i> , 2023, 24, .	0.7	1
242	Will high-flow nasal cannula therapy reduce invasive mechanical ventilator use?. <i>Allergy Asthma & Respiratory Disease</i> , 2023, 11, 1.	0.3	0
243	The effects of flow settings during high-flow nasal cannula support for adult subjects: a systematic review. <i>Critical Care</i> , 2023, 27, .	2.5	7
244	Clinical review of high-flow nasal oxygen therapy in human and veterinary patients. <i>Frontiers in Veterinary Science</i> , 0, 10, .	0.9	2
245	High flow nasal cannula combined with non-invasive ventilation versus high flow nasal cannula alone in patients with acute hypoxemic respiratory failure due to pneumonia: a randomized controlled trial. <i>Emergency Care Journal</i> , 2023, 19, .	0.2	0
246	High-flow nasal cannula reduces intubation rate in patients with COVID-19 with acute respiratory failure: a meta-analysis and systematic review. <i>BMJ Open</i> , 2023, 13, e067879.	0.8	10
247	Humidification and High-Flow Oxygen Therapy in Critically Ill Patients: Devices and Humidification Technology and Clinical Implications. , 2023, , 41-46.		0

#	ARTICLE	IF	CITATIONS
248	Home High-Flow Therapy in Patients with Chronic Respiratory Diseases: Physiological Rationale and Clinical Results. Journal of Clinical Medicine, 2023, 12, 2663.	1.0	6
249	Research Progress on Prevention and Treatment of Hypoxemia in Painless Gastroscopy: A Review Article. , 2023, 6, 54-63.		0
258	High Flow Nasal Oxygen Therapy. , 2023, , 93-103.		0
265	Options Noninvasive Ventilator Support Outside Intensive Care Unit. , 2023, , 43-70.		0