

Supplement: Search Strategies

ERS Guidelines: High flow nasal cannula in acute respiratory failure

Authors

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High-Flow Nasal Cannula (HFNC) Guidelines for ERS SR – Literature Search

Research Question(s)

1. High-flow nasal cannula (HFNC)/high-flow nasal oxygen (HFNO) guidelines for ERS

Search by: Kaitryn Campbell (kcampbel@stjosham.on.ca)

Requestor: Simon Oczkowski (oczkowski@mcmaster.ca)

Date(s): 2021 Jan 6 (update, deduped against original results, only novel records provided)

Limits: None

Databases: Ovid Medline [ppez], Embase [oemezd]; The Cochrane Library

Filters: None

Concept #1: High-Flow Nasal Cannula

Oxygen Inhalation Therapy/ use ppez

Oxygen Therapy/ use oemezd

(high-flow* OR highflow* OR high velocit* OR highvelocit*).mp.

(cannula?).mp.

exp Nasal Cannula/ use oemezd

*Nasal Cannula/ use oemezd

((high-flow* OR highflow* OR high velocit* OR highvelocit*) ADJ3 (nasal cannula* OR nasal insufflation* OR nasal oxygen* OR nasal therap* OR oxygen therap*)).mp,dv.

((high-flow* OR highflow* OR high velocit* OR highvelocit*) ADJ (cannula? OR insufflation* OR nasal OR oxygen* OR therap*)).mp,dv.

(HFNC OR HHFNC OR HFNO OR HHFN OR Airvo* OR Optiflow).mp,dv.

((trans-nasal* OR transnasal*) ADJ humidified rapid insufflation ventilatory exchang*).mp,dv.

Ovid

Database(s): **Embase** 1974 to 2021 January 05, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	Oxygen Inhalation Therapy/ use ppez	14728
2	Oxygen Therapy/ use oemezd	31314
3	(high-flow* or highflow* or high velocit* or highvelocit*).mp.	30412
4	cannula?.mp.	61009
5	(1 or 2) and 3 and 4	1596
6	exp Nasal Cannula/ use oemezd	5013
7	3 and 6	2064
8	*Nasal Cannula/ use oemezd	985
9	((high-flow* or highflow* or high velocit* or highvelocit*) adj3 (nasal cannula* or nasal insufflation* or nasal oxygen* or nasal therap* or oxygen therap*)).mp,dv.	4973
10	((high-flow* or highflow* or high velocit* or highvelocit*) adj (cannula? or insufflation* or nasal or oxygen* or therap*)).mp,dv.	6214
11	(HFNC or HHFNC or HFNO or HHFN or Airvo* or Optiflow).mp,dv.	2414

1 2	((trans-nasal* or transnasal*) adj humidified rapid insufflation ventilatory exchang*).mp,dv.	163
1 3	or/5,7-12	6834
1 4	limit 13 to yr="1860 - 2015"	1669
1 5	remove duplicates from 14	1172
1 6	limit 13 to yr="2016 -Current"	5161
1 7	remove duplicates from 16	3600
1 8	15 or 17	4772

The Cochrane Library (CENTRAL)

ID	Search Hits
#1	MeSH descriptor: [Oxygen Inhalation Therapy] this term only 1179
#2	(high-flow* OR highflow* OR high velocit* OR highvelocit*):ti,ab,kw AND (cannula?):ti,ab,kw 922
#3	#1 AND #2 100
#4	((("high flow" OR highflow OR "high velocity") NEAR/3 (nasal cannula* OR nasal insufflation* OR nasal oxygen* OR nasal therap* OR oxygen therap*)):ti,ab,kw OR (("high flow" OR highflow OR "high velocity") NEXT (cannula? OR insufflation* OR nasal OR oxygen* OR therap*)):ti,ab,kw OR (HFNC OR HHFNC OR HFNO OR HHFN OR Airvo OR Optiflow):ti,ab,kw OR (("trans nasal" OR transnasal) NEXT "humidified rapid insufflation ventilatory exchange"):ti,ab,kw 1559
#5	#3 OR #4 with Cochrane Library publication date in The last 6 months, in Cochrane Reviews, Trials 281