Supplement: Search Strategies

ERS Guidelines: High flow nasal cannula in acute respiratory failure

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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 (oczkowsj@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:

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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