

Supplemental material

Literature search details

Guideline searches

1. NATIONAL GUIDELINE CLEARINGHOUSE

Keyword	Results	Retrieved	Included
ECMO	0	0	0
Oxygenation	81	1	0

2. MEDLINE

Search	Syntax	Results	Retrieved	Included
1	ECMO.mp. or exp Extracorporeal Membrane Oxygenation/	3,892	–	–
2	guideline.mp. or exp guideline/ or exp practice guideline/	42,307	–	–
3	1 and 2	9	0	0

3. EMBASE

Search	Syntax	Results	Retrieved	Included
1	'extracorporeal oxygenation'/exp/mj	2,037	–	–
2	'practice guideline'/exp/mj	11,415	–	–
3	1 and 2	0	0	0

4. ADDITIONAL SOURCES SEARCHED OR BROWSED

Database or source	Keyword	Hits	Included
NICE (UK)	Browsed	1	1
AHRQ Evidence-based practice series	Browsed	0	0

Searches for systematic reviews

1. MEDLINE

Search	Syntax	Results	Retrieved	Included
1	ECMO.mp. or exp Extracorporeal Membrane Oxygenation/	3,892	–	–
2	Limit to "review articles" and English language	542	15	2

2. COCHRANE LIBRARY

Keyword	Reviews	Retrieved	Included
exp Extracorporeal Membrane Oxygenation/	1	0	0

3. DARE (DATABASE OF ABSTRACTS OF REVIEWS OF EFFECTS)

Keyword	Reviews	Retrieved	Included
exp Extracorporeal Membrane Oxygenation/	1	1	1

4. HTA (HEALTH TECHNOLOGY ASSESSMENT)

Keyword	Technology assessments	Retrieved	Included
exp Extracorporeal Membrane Oxygenation/	8	1	1

5. EMBASE

Search	Syntax	Results	Retrieved	Included
1	'extracorporeal oxygenation'/exp/mj	2,037	–	–
2	Limit to review articles, English language	142	1	0

Seven additional references duplicated retrieved articles from the Medline search.

6. INAHTA MEMBER HEALTH TECHNOLOGY ASSESSMENT AGENCIES

Database or source	Keyword	Hits	Retrieved	Included
AETMIS (Québec)	ECMO	1	0	0
AETS (Spain)	Browsed	0	0	0
CADTH (Canada)	ECMO	20	1	0
CAHTA (Spain)	ECMO	15	0	0
CEDIT (France)	Browsed	0	0	0
CENETEC (Mexico)	Browsed	0	0	0
CRD (UK)	Browsed	0	0	0
CVZ (Netherlands)	Browsed	0	0	0
DIHTA (Germany)	ECMO	38	0	0
ECRI (USA)	ECMO	9	1	1
Finnohta (Finland)	Browsed	0	0	0
GR (Netherlands)	Extracorporeal	3	0	0
HAS (France)	Browsed	0	0	0
INAHTA (International)	Extracorporeal	4	0	0
MAS (Canada)	Browsed	0	0	0
MSAC (Australia)	Extracorporeal	3	0	0
NETSCC (formerly NCCHTA, UK)	ECMO	5	1	1
NHS QIS (Scotland)	Extracorporeal	9	0	0
NHSC (UK)	ECMO	4	0	0
NICE (UK)	Browsed	2	1	1
NOKC (Norway)	Browsed	0	0	0
OSTEBA (Spain)	Browsed	0	0	0
SBU (Sweden)	Browsed	0	0	0
UETS (Spain)	Browsed	0	0	0
VA TAP (USA)	Browsed	0	0	0

Searches for primary studies

1. MEDLINE

Search	Syntax	Results	Retrieved	Included
1	ECMO.mp. or exp Extracorporeal Membrane Oxygenation/	3,892	–	–
2	exp Influenza, Human/	22,102	–	–
3	H1N1.mp.	3,230	–	–
4	1 and (2 or 3)	7	0	0

2. EMBASE

Search	Syntax	Results	Retrieved	Included
1	'extracorporeal oxygenation'/exp/mj	2,038	–	–
2	influenza/exp	32,191	–	–
3	H1N1	2,156	–	–
4	1 and (2 or 3)	2	0	0

Evidence quality rating scale for randomized controlled trials

Randomization:

1. J Described as randomized?
2. J Randomization appropriately performed?

Blinding:

3. J Study described as double-blinded?
4. C Outcome assessor blinded?
5. J Study participant blinded (e.g. intervention described as indistinguishable, active placebo, identical placebo or dummy)?
6. C Investigator blinded?

Patient attrition:

7. J Attrition described?
8. C Attrition smaller than 10-15% of assigned patients?
9. C Attrition appropriately analyzed (i.e. intention-to-treat analysis for superiority studies)?

J—components from original Jadad scale (10); C—components from Chalmers list (11)