

Appendix 1 (as supplied by the authors)

Appendix 1A: Search Strategy for Ovid MEDLINE

MEDLINE (Ovid)

1. exp Infant, Newborn/
2. Infant, Low Birth Weight/
3. Infant, Premature/
4. Infant, Extremely Premature/
5. Intensive Care Units, Neonatal/
6. Intensive Care, Neonatal/
7. (Neonat* or newborn or NICU or premature or preterm or ((newborn or neonat*) adj2 (intensive or critical) adj2 (care or unit))))).mp
8. Trinitroglycerin.mp
9. Nitrol.mp
10. Nitroglycerin/
11. Nitroglycerin.mp
12. Glyceryl trinitrate.mp
13. 1 or 2 or 3 or 4 or 5 or 6 or 7

PICO Format

(Outline the PICOs for your question — i.e., Patient, Intervention, Comparison, Outcome, and Study Design — as applicable)

P	<i>Preterm and term newborn infants in the neonatal intensive care unit with peripheral tissue ischemia</i>
I	<i>Topical nitroglycerin products</i>
C	<i>Standard of care or any other therapeutic intervention without the application of topical nitroglycerin products</i>
O	<i>Effect on the area of peripheral tissue ischemia</i>
S	n/a

Inclusion Criteria

(List criteria such as age groups, study designs, etc., to be included) *[optional]*

Exclusion Criteria

(List criteria such as study designs, date limits, etc., to be excluded) *[optional]*

Was a search filter applied?

Yes, *No*

If YES, which one(s) (e.g., Cochrane RCT filter, PubMed Clinical Queries filter)? Provide the source if this is a published filter. *[mandatory if YES to previous question — textbox]*

Other notes or comments you feel would be useful for the peer reviewer? *[optional]*

Please copy and paste your search strategy here, exactly as run, including the number of hits per line. *[mandatory]*

Medline (Ovid)	
Searches	Results
Exp Infant, Newborn/	611659
Infant, Low Birth Weight/	18600
Infant, Premature/	54189
Infant, Extremely Premature/	2611
Intensive Care Units, Neonatal/	14981
Intensive Care, Neonatal/	5712
Neonat*.mp	295846
Nitroglycerin/	12299
Nitroglycerin.mp	15924
Glyceryl trinitrate.mp	2475
1 or 2 or 3 or 4 or 5 or 6 or 7	747670
8 or 9 or 10	16652
11 and 12	164

PEER REVIEW ASSESSMENT: THIS SECTION TO BE FILLED IN BY THE REVIEWER

Reviewer: Denise Smith	Email: dsmith@mcmaster.ca	Date completed: October 19
	dsdsmidsmith@mcmaster	

1. TRANSLATION

A --No revisions	X
B -- Revision(s) suggested	
C -- Revision(s) required	

If "B" or "C," please provide an explanation or example:

2. BOOLEAN AND PROXIMITY OPERATORS

A ---No revisions	X
B --- Revision(s) suggested	
C --- Revision(s) required	

If “B” or “C,” please provide an explanation or example:

3. SUBJECT HEADINGS

A ---No revisions	
B --- Revision(s) suggested	X
C --- Revision(s) required	

If “B” or “C,” please provide an explanation or example:

1. Lines 2-4 are redundant, remove them. They are accounted for and included in in the search noted on line 1

4. TEXT WORD SEARCHING

A ---No revisions	
B --- Revision(s)suggested	
C --- Revision(s) required	X

If “B” or “C,” please provide an explanation or example:

1. This search is not comprehensive enough to meet the standard for a systematic review literature search. In order to reach this standard, add the following keyword terms:
 - a. Change line 7 to:
(Neonat or newborn or NICU or premature or preterm or ((newborn or neonat*) adj2 (intensive or critical) adj2 (care or unit))).mp.*
 - b. Add a keyword for the trade name of nitroglycerin: *nitrol.mp.*
 - c. Another name for nitroglycerin: *trinitroglyrin.mp.*

5. SPELLING, SYNTAX, AND LINE NUMBERS

A ---No revisions	X
B --- Revision(s)suggested	
C --- Revision(s) required	

If “B” or “C,” please provide an explanation or example:

6. LIMITS AND FILTERS

A ---No revisions	X
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B --- Revision(s) suggested	
C --- Revision(s) required	

If “B” or “C,” please provide an explanation or example:
No applicable.

OVERALL EVALUATION (Note: If one or more “revision required” is noted above, the response below must be “revisions required”.)

A ---No revisions	
B --- Revision(s) suggested	
C --- Revision(s) required	X

Additional comments:

[Improve the comprehensiveness and rigor of your search strategy by adding the keyword terms noted in section 4. Revisions to subject headings are advised but not required.](#)