

Appendix e-3: Complete search strategy

MEDLINE search strategy

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Database: Ovid MEDLINE(R) <1950 to June Week 3 2007>

Search Strategy:

-
- 1 exp coma/ or persistent vegetative state/ or hypoxia-ischemia, brain/ or hypoxia, brain/ or Anoxia/ or heart arrest/ or death, sudden, cardiac/ or Death, Sudden/ or Brain Edema/ (95970)
 - 2 (cardiac arrest or hypoxic ische?mic encephalopath\$3 or anoxic encephalopath\$3 or coma or brain death or vegetative state?).mp. (44090)
 - 3 or/1-2 (115579)
 - 4 resuscitation/ or cardiopulmonary resuscitation/ or advanced cardiac life support/ (24236)
 - 5 cardiopulmonary resuscitation.mp. or cpr.tw. (10557)
 - 6 (conditional promoter replacement or ciprofloxacin or clinical pregnancy rate or central population register or cytochrome P450 reductase gene).mp. (13486)
 - 7 5 not 6 (10517)
 - 8 and/3,7 (4694)
 - 9 Hypothermia, Induced/ or exp Hyperventilation/ or exp Calcium Channel Blockers/ or Neuroprotective Agents/ or exp barbiturates/ or exp anticonvulsants/ or hyperglycemia/ or hypoglycemic agents/ (254481)
 - 10 Glucose/ (105088)
 - 11 Fluid Therapy/ (10173)
 - 12 (blood pressure support? or glucose control\$4 or osmotic therapy or osmotic therapies or calcium channel blocker? or barbiturate? or neural protection or hyperventilation or hypothermia or vasopressor? or hyperglyc?emia or neuroprotection or fluid resuscitation).mp. (119528)
 - 13 or/9-12 (401640)

- 14 and/8,13 (455)
- 15 limit 14 to (humans and yr="1966 - 2007") (339)
- 16 limit 15 to (humans and yr="1966 - 2007" and (comment or editorial or interview or lectures or letter or news or newspaper article or published erratum)) (14)
- 17 15 not 16 (325)
- 18 clinical trials/ or randomized controlled trials/ or epidemiologic methods/ or exp case-control studies/ or exp cohort studies/ (1075012)
- 19 case series.mp. (12281)
- 20 n=1:.ab. (39518)
- 21 and/19-20 (74)
- 22 meta-analysis/ or research/ or research design/ or Statistics/mt [Methods] (205143)
- 23 (randomi?ed control: trial? or cohort: or case control: or review? or meta-analys?s or metanalys?s).mp. (1976385)
- 24 or/18,21-23 (2801272)
- 25 and/14,24 (201)
- 26 limit 25 to (humans and yr="1966 - 2007") (191)
- 27 limit 14 to (humans and systematic reviews and yr="1966 - 2007") (19)
- 28 limit 14 to (humans and yr="1966 - 2007" and (meta analysis or randomized controlled trial or "review")) (126)
- 29 or/26-28 (197)
- 30 17 not 29 (129)

EMBASE search strategy

Database: EMBASE <1980 to 2007 Week 32>

Search Strategy:

1 persistent vegetative state/ or coma/ or diabetic coma/ or hepatic coma/ or hyperosmolar coma/ or hypoglycemic coma/ or nonketotic diabetic coma/ (10790)

- 2 brain death/ (3398)
- 3 Brain Hypoxia/ (4828)
- 4 Heart Arrest/ (13888)
- 5 Brain Edema/ (9110)
- 6 sudden death/ (14655)
- 7 Brain Ischemia/ (29183)
- 8 (cardiac arrest or hypoxic ischemic encephalopathy or anoxic encephalopathy or coma or brain death or vegetative state or brain edema).mp. (41641)
- 9 or/1-8 (90080)
- 10 resuscitation/ (21347)
- 11 cardiopulmonary resuscitation.mp. or cpr.tw. (6496)
- 12 (curved planar reformation or curved planar reconstruction or cytochrome P450 reductase or Connors' Parent rating scale or computer based patient record or clinical pregnancy rate or carboxylated phenolic resin or C-peptide immunoreactivity or clinical pharmacist recommendation or C-reactive protein or chlorophenol red or ciprofloxacin or central population register or conditional promoter replacement).mp. (65055)
- 13 11 not 12 (6225)
- 14 or/10,13 (22716)
- 15 and/9,14 (6832)
- 16 hypothermia/ or exp hyperventilation/ or exp calcium channel blocking agent/ or neuroprotective agent/ (136279)
- 17 induced hypothermia/ or profound induced hypothermia/ or fluid resuscitation/ or exp barbituric acid derivative/ or exp anticonvulsive agent/ (181052)
- 18 blood flow velocity/ (11920)
- 19 (blood pressure support or glucose control or osmotic therapy or calcium channel blocker or barbiturate or neuroprotection or moderate induced hypothermia or vasopressor or neural protection or antiepileptic or hyperventilation or neuroprotective agent or fluid resuscitation).mp. (59927)
- 20 or/16-18,19 (340775)
- 21 and/15,20 (1150)
- 22 limit 21 to human (916)

23 limit 21 to (human and (book or conference paper or editorial or erratum or letter or note or proceeding or report or short survey)) (217)

24 22 not 23 (699)

Database: EMBASE <1980 to 2007 Week 32>

Search Strategy:

1 persistent vegetative state/ or coma/ or diabetic coma/ or hepatic coma/ or hyperosmolar coma/ or hypoglycemic coma/ or nonketotic diabetic coma/ (10790)

2 brain death/ (3398)

3 Brain Hypoxia/ (4828)

4 Heart Arrest/ (13888)

5 Brain Edema/ (9110)

6 sudden death/ (14655)

7 Brain Ischemia/ (29183)

8 (cardiac arrest or hypoxic isch?mic encephalopath\$3 or anoxic encephalopath\$3 or coma or brain death or vegetative state? or brain edema).mp. (41641)

9 or/1-8 (90080)

10 resuscitation/ (21347)

11 cardiopulmonary resuscitation.mp. or cpr.tw. (6496)

12 (curved planar reformation? or curved planner reconstruction? or cytochrome P450 reductase or Connors' Parent rating scale? or computer based patient record? or clinical pregnancy rate? or carboxylated phenolic resin or C-peptide immunoreactivity or clinical pharmacist recommendation? or C-reactive protein or chlorophenol red or ciprofloxacin or central population register? or conditional promoter replacement).mp. (65055)

13 11 not 12 (6225)

14 or/10,13 (22716)

15 and/9,14 (6832)

16 Lidoflazine/ (619)

17 3416-26-0.rm. (619)

18 Tenecteplase/ (899)

19 191588-94-0.rn. (868)
20 Tissue Plasminogen Activator/ (12322)
21 105913-11-9.rn. (12375)
22 exp Plasminogen Activator/ (38839)
23 Bicarbonate/ (17020)
24 (144-55-8 or 71-52-3).rn. (17068)
25 Nimodipine/ (5951)
26 66085-59-4.rn. (5974)
27 Magnesium/ (23415)
28 Phenytoin/ (32692)
29 (57-41-0 or 630-93-3).rn. (32777)
30 blood clot lysis/ (13726)
31 Thiopental/ (14290)
32 (71-73-8 or 76-75-5).rn. (14320)
33 exp Glucocorticoid/ (271785)
34 Vasopressin/ (18596)
35 11000-17-2.rn. (18639)
36 Flunarizine/ (3549)
37 (30484-77-6 or 52468-60-7).rn. (3562)
38 (tissue plasminogen activator or tenecteplase).mp. (15564)
39 or/16-38 (418179)
40 and/15,39 (1020)
41 limit 40 to human (850)
42 limit 40 to (human and (book or conference paper or editorial or erratum or letter or note or proceeding or report or short survey)) (179)
43 41 not 42 (671)

Search For:

Enter search term

Restrict by product:

Ctrl-click (Windows) or
Command-click (Mac)
to select

All Cochrane products (default)
Cochrane Reviews
Other Reviews
Clinical Trials

Restrict by record status:

All records

Date Range (4-digit year):

-

Current Search History

ID	Search	Hits	Edit	Delete
#1	(coma OR "vegetative state" OR "vegetative states" OR "heart arrest" OR "cardiac arrest" OR "hypoxic ischemic encephalopathy" OR "hypoxic ischemic encephalopathies" OR "brain death" OR "anoxic encephalopathy" OR "anoxic encephalopathies" OR "brain edema" OR "brain oedema"), from 1966 to 2007 in Cochrane Reviews	252	edit	delete
#2	(resuscitation OR "cardiopulmonary resuscitation" OR "advanced cardiac life support"), from 1966 to 2007 in Cochrane Reviews	155	edit	delete
#3	(hypothermia OR "moderate induced hypothermia" OR hyperventilation OR "calcium channel blocker" OR "calcium channel blockers" OR neuroprotection OR "neuroprotective agent" OR "neuroprotective agents" OR antiepileptic OR anticonvulsant OR "osmotic therapy" OR "osmotic therapies" OR "blood pressure support" OR "fluid resuscitation" OR "blood velocity" OR "blood velocities" OR "serum glucose control" OR "glucose control" OR barbiturate OR vasopressor), from 1966 to 2007 in Cochrane Reviews	549	edit	delete
#4	(#1 AND #2 AND #3), from 1966 to 2007	22	edit	delete
#5	(lidoflazine OR tenecteplase OR "tissue plasminogen activator" OR "fibrinolytic agent" OR "fibrinolytic agents" OR "sodium bicarbonate" OR nimodipine OR glucocorticoid OR thrombolytic OR magnesium OR phenytoin OR thiopental OR flunarizine OR vasopressin OR lidoflazine OR "plasminogen activator" OR plasminogen activators), from 1966 to 2007 in Cochrane Reviews	578	edit	delete
#6	(#1 AND #2 AND #5), from 1966 to 2007	9	edit	delete

SEARCH TIPS

Tip No. 1:

The Search History includes a listing of all Cochrane Library searches used during your current session. New searches can be added directly by using the text box and limiters at top of page. All search options used for an Advanced Search such as Boolean operators (AND, OR and NOT), wildcard characters (*), and nested searches with parentheses can also be used on the Search History page.

Tip No. 2:

On search history page, type field labels to restrict by field - abstract (:ab), author (:au), keywords (:kw), source (:so), title (:ti), publication type (:pt), tables (tb), or DOI (:doi). If no field label is used, "all text" is searched.

Example: (heart:ti,ab,kw and cardiology:so)

(heart or atrium):ti,kw,ab

Tip No. 3:

Each search is identified by an order number preceded by a "#" character. You can build a new search in the text box by combining previous searches with Boolean operators.

Example: (#1 AND #2) OR (#3 AND #4)

The existing searches can also be combined with new terms.

Example: electrocard* AND #17

Tip No. 4:

Click on a search listing to view search results. Click the Edit button next to a listing to view it on a search form. Combined searches are displayed within a Search History editor in a popup window.

Tip No. 5:

Save all the listings in your current search history by clicking on Save Search History at the bottom. Saved search strategies are displayed on the Saved Searches page.

[More Search Tips](#)