

Appendix 1. Search Strategies

Summary of search and strategies

MEDLINE	77
EMBASE	221
Cochrane Library	3
Subtotal	301
-duplicates	-39
total	262

MEDLINE

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

-
- 1 exp Doping in Sports/ (3312)
 - 2 athletic performance.mp. or exp Athletic Performance/ (40957)
 - 3 exp Oxygen Consumption/ (94022)
 - 4 aerobic capacity.mp. (3565)
 - 5 exp Physical Endurance/ (25375)
 - 6 Physical Exertion/ (53000)
 - 7 doping.mp. (12089)
 - 8 ((perform* or endurance* or capacit*) adj3 (athlet* or enhance* or exercis*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (52877)
 - 9 ergogen*.mp. (1057)
 - 10 or/1-9 (218196)
 - 11 Pseudoephedrine/ (247)
 - 12 pseudoephedrin*.mp. (1229)
 - 13 PSE.mp. (1957)
 - 14 (Acunaso or afrinol or ephedrine or dimetapp or drixora or efidac or isoephedrine or isofedrine or isophedrine or logicin or monofed or nasa-12 or novafed or otrinol or pseudono or repedrina or rhinalair or sinumed or sinutab or subulin or Sudafed or sudomyI or sudosian or symptofed or tiptipot).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (5796)
 - 15 or/11-14 (8088)
 - 16 10 and 15 (257)
 - 17 limit 16 to "reviews (maximizes sensitivity)" (77)

EMBASE

Database: Embase <1974 to 2015 March 19>

Search Strategy:

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- 1 doping/ (4478)
 - 2 ergogen*.mp. (1441)
 - 3 athletic performance.mp. or athletic performance/ (6688)
 - 4 aerobic capacity/ (6401)
 - 5 endurance/ (16497)
 - 6 exertion.mp. (14891)
 - 7 doping.mp. (9571)
 - 8 ((perform* or endurance* or capacit*) adj3 (athlet* or enhance* or exercis*)).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (70567)
 - 9 or/1-8 (102896)
 - 10 exp pseudoephedrine/ (4010)
 - 11 pseudoephedrin*.mp. (4482)
 - 12 PSE.mp. (2127)
 - 13 (Acunaso or afrinol or ephedrine or dimetapp or drixora or efidac or isoephedrine or isofedrine or isophedrine or logicin or monofed or nasa-12 or novafed or otrinol or pseudono or repedrina or rhinalair or sinumed or sinutab or subulin or Sudafed or sudomyI or sudosian or symptofed or tiptipot).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (13734)
 - 14 or/10-13 (18587)

- 15 9 and 14 (418)
- 16 limit 15 to "reviews (maximizes sensitivity)" (221)

PsycINFO

Database: Embase <1974 to 2015 March 19>

Search Strategy:

-
- 1 doping/ (449)
 - 2 athletic performance.mp. or athletic performance/ (5507)
 - 3 aerobic capacity/ (539)
 - 4 endurance/ (3943)
 - 5 exertion.mp. (2397)
 - 6 pseudoephedrine/ (78)
 - 7 PSE.mp. (1071)
 - 8 (Acunaso or afrinol or ephedrine or dimetapp or drixora or efidac or isoephedrine or isofedrine or isophedrine or logicin or monofed or nasa-12 or novafed or otrinol or pseudono or repedrina or rhinalair or sinumed or sinutab or subulin or Sudafed or sudomy1 or sudosian or symptofed or tiptipot).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (253)
 - 9 or/6-8 (1365)
 - 10 or/1-5 (12199)
 - 11 9 and 10 (3)
 - 12 limit 11 to reviews (maximizes sensitivity)" (2)

Cochrane Library

- | D | Search | Hits |
|----|--|------|
| #1 | doping:ti,ab,kw (Word variations have been searched) | 211 |
| #2 | ((perform* or endurance* or capacit*) near/3 (athlet* or enhance* or exercis*)):ti,ab,kw (Word variations have been searched) | 9259 |
| #3 | ergogen*:ti,ab,kw (Word variations have been searched) | 324 |
| #4 | #1 or #2 or #3 | 9586 |
| #5 | Pseudoephedrine | 338 |
| #6 | PSE | 235 |
| #7 | (Acunaso or afrinol or ephedrine or dimetapp or drixora or efidac or isoephedrine or isofedrine or isophedrine or logicin or monofed or nasa-12 or novafed or otrinol or pseudono or repedrina or rhinalair or sinumed or sinutab or subulin or Sudafed or sudomy1 or sudosian or symptofed or tiptipot) | 1393 |
| #8 | #5 or #6 or #7 | 1754 |
| #9 | #4 and #8 in Cochrane Reviews (Reviews and Protocols) and Other Reviews | 3 |