Appendix 1 MI and oxygen therapy
Search strategies to February 2010

Database: Cochrane Library (CENTRAL) 2010 Issue 1
Search strategy:

#1 MeSH descriptor Myocardial Infarction explode all trees
#2 myocardial next infarct*
#3 heart next infarct*
#4 heart next attack*
#5 MeSH descriptor Coronary Thrombosis, this term only
#6 acute near/3 coronary
#7 coronary near/3 syndrome*
#8 coronary near/3 thrombosis
#9 ami
#10 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9)
#11 oxygen*
#12 MeSH descriptor Oxygen Inhalation Therapy explode all trees
#13 (#11 OR #12)
#14 (#10 AND #13)

Database: Ovid MEDLINE(R) 1950 to February Week 3 2010
Search Strategy:

1 exp Myocardial Infarction/
2 myocardial infarct$.tw.
3 heart attack$.tw.
4 heart infarct$.tw.
5 (coronary adj3 syndrome$).tw.
6 acute coronary.tw.
7 coronary thrombosis.tw.
8 ami.tw.
9 Coronary Thrombosis/
10 or/1-9
11 exp Oxygen Inhalation Therapy/
12 (oxygen adj3 (therapy or treat$ or effect$ or admin$ or inhal$)).tw.
13 oxygen$.ti.
14 or/11-13
15 10 and 14
16 randomized controlled trial.pt.
17 controlled clinical trial.pt.
18 randomized controlled trials.sh.
19 random allocation.sh.
20 double blind method.sh.
21 single-blind method.sh.
22 or/16-21
(animals not human).sh.
22 not 23
clinical trial.pt.
exp clinical trials/
(clin$ adj25 trial$).ti,ab.
((singl$ or doubl$ or trebl$ or tripl$) adj25 (blind$ or mask$)).ti,ab.
placebos.sh.
placebo$.ti,ab.
random$.ti,ab.
research design.sh.
or/25-32
33 not 23
34 not 24
comparative study.sh.
exp evaluation studies/
follow up studies.sh.
prospective studies.sh.
(control$ or prospectiv$ or volunteer$).ti,ab.
or/36-40
41 not 23
42 not (24 or 35)
24 or 35 or 43
15 and 44

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations February 25 2010

Search Strategy:

1 myocardial infarct$.tw.
2 heart attack$.tw.
3 heart infarct$.tw.
4 (coronary adj3 syndrome$).tw.
5 acute coronary.tw.
6 coronary thrombosis.tw.
7 ami.tw.
8 (oxygen adj3 (therapy or treat$ or effect$ or admin$ or inhal$)).tw.
9 oxygen$.ti.
10 randomized controlled trial.pt.
11 controlled clinical trial.pt.
or/1-7
13 or/8-9
14 or/10-11
15 12 and 13 and 14
16 12 and 13

Database: EMBASE (Ovid) 1980 to 2010 Week 07
Search Strategy:
(heart attack* or MI or AMI or heart infarct* or myocardial infarct* or coronary syndrome or coronary thrombosis) AND ((oxygen) AND (random* or control* or trial*))

Database: LILACS (BIREME) at 25 February 2010

Strategy used:

(heart or MI or AMI or myocardial or coronary) AND (oxygen) AND (random* or control* or trial*)
Database: ISI Proceedings (Web of Knowledge) at 25 February 2010

Strategy used:

(heart or MI or AMI or myocardial or coronary) AND (oxygen) AND (random* or control* or trial*)