

SUPPLEMENTAL MATERIAL

Search strategies

Ovid

Database(s): Embase 1988 to 2014 Week 38, Ovid MEDLINE(R) In-Process & Other Non-

Indexed Citations and Ovid MEDLINE(R) 1946 to Present, EBM Reviews - Cochrane Central

Register of Controlled Trials August 2014, EBM Reviews - Cochrane Database of Systematic

Reviews 2005 to August 2014

Search Strategy:

#	Searches	Results
1	exp endothelial dysfunction/di (("flow mediated" adj3 (vasodilat* or dilat*)) or ((endothelial or endothelium) adj3 (disease* or disorder* or dysfunction* or function) adj3 (test* or measur* or 2 assess* or diagnos*)) or ((endothelial or endothelium) and dependent and (vasodilat* or dilat*)) or (vascular adj3 reactivit*) or EndoPAT or FMD or PAT or "peripheral arterial tonometry").ti,ab,kw.	265 58972
3	1 or 2	59111
4	mortality.fs.	430012
5	exp death/	531703
6	exp mortality/	893088
7	exp survival/	617281
8	Myocardial Infarction/	311798
9	heart infarction/	160909
10	exp angina pectoris/	111759
11	exp Heart Failure/	362993

12 exp Stroke/	174468
13 exp cerebrovascular accident/	174468
14 exp Cerebrovascular Disorders/	624331
15 exp brain infarction/	77569
16 (((cardiovascular or cardiac or coronar* or cardial or myocardial or heart or brain or cerebral* or cortical or hemisph9 er* or cerebrovascular or cerebrum) adj3 ("blood flow disturbance*" or insult or insultus or attack* or event* or accident* or infarct* or failure* or arrest* or insufficien* or occlusion* or ischem* or ischaem* or injur*)) or ((heart or cardiac or myocardial) adj2 (decompensat* or incompetence)) or angina or anginal or apoplexia or apoplexy or "cardiorenal syndrome*" or "cardio-renal syndrome*" or death* or "decompensatio cordis" or fatalit* or "insufficiencia cordis" or "ischaemic seizure*" or "ischemic seizure*" or morbidit* or mortalit* or "paroxysmal dyspnea*" or stenocardia* or stroke or strokes or surviv*).ti,ab,kw.	4542101
17 or/4-16	5555501
18 3 and 17	12212
19 exp evidence based medicine/	723753
20 exp meta analysis/	134550
21 exp Meta-Analysis as Topic/	29679
22 exp "systematic review"/	79705
23 exp controlled study/	4521472
24 exp Randomized Controlled Trial/	724442
25 exp triple blind procedure/	70
26 exp Double-Blind Method/	343175
27 exp Single-Blind Method/	51351
28 exp latin square design/	276
29 exp Placebos/	268509
30 exp Placebo Effect/	7242
31 exp comparative study/	2462110
32 exp longitudinal study/	1066223
33 exp prospective study/	702575
34 exp clinical trial/	1731040

35 clinical study/	53816
<p>((evidence adj based) or (meta adj analys*) or (systematic* adj3 review*) or (control* adj2 study) or (control* adj2 trial) or (randomized adj2 study) or (randomized adj2 trial) or (randomised adj2 study) or (randomised adj2 trial) or (doubl* adj blind*) or (doubl* adj mask*) or (singl* adj blind*) or (singl* adj 36 mask*) or (tripl* adj blind*) or (tripl* adj mask*) or (trebl* adj blind*) or (trebl* 6893374 adj mask*) or "latin square" or placebo or "comparative study" or "comparative survey" or "comparative analysis" or longitudinal* or prospectiv* or "clinical study" or "clinical trial" or ((study or trial or random* or control*) and compar*).ti,ab,kw.</p>	
37 or/19-36	12475197
38 18 and 37	7198
39 from 18 keep 7116-11686	4571
<p>limit 39 to (clinical trial, all or clinical trial, phase i or clinical trial, phase ii or clinical trial, phase iii or clinical trial, phase iv or clinical trial or comparative 40 study or controlled clinical trial or meta analysis or multicenter study or 1053 pragmatic clinical trial or randomized controlled trial) [Limit not valid in Embase,CCTR,CDSR; records were retained]</p>	
41 38 or 40	7198
42 from 18 keep 11687-12212	526
43 38 or 40 or 42	7273
<p>limit 43 to (book or book series or editorial or erratum or letter or note or addresses or autobiography or bibliography or biography or comment or dictionary or directory or interactive tutorial or interview or lectures or legal 44 cases or legislation or news or newspaper article or overall or patient education 29 handout or periodical index or portraits or published erratum or video-audio media or webcasts) [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,CCTR,CDSR; records were retained]</p>	
45 43 not 44	7244
46 45 not (exp animals/ not exp humans/)	5736
47 limit 46 to english language [Limit not valid in CDSR; records were retained]	5390
<p>limit 47 to ("all adult (19 plus years)" or "young adult (19 to 24 years)" or "adult 48 (19 to 44 years)" or "young adult and adult (19-24 and 19-44)" or "middle age 5069 (45 to 64 years)" or "middle aged (45 plus years)" or "all aged (65 and over)" or</p>	

"aged (80 and over)") [Limit not valid in Embase,CCTR,CDSR; records were retained]	
limit 48 to (adult <18 to 64 years> or aged <65+ years>) [Limit not valid in Ovid	
49 MEDLINE(R),Ovid MEDLINE(R) In-Process,CCTR,CDSR; records were retained]	3592
50 (adult or adults or "middle aged").ti,ab,kw.	1805040
51 47 and 50	477
52 49 or 51	3658
53 remove duplicates from 52	2169