

Database: Ovid MEDLINE(R) <1946 to November Week 3 2013>

Search Strategy:

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1 exp Mitral Valve Insufficiency/ (17712)

2 exp Heart Valve Diseases/ (90781)

3 exp Mitral Valve/ (22797)

4 mitral.mp. (63650)

5 2 and (3 or 4) (40148)

6 exp Papillary Muscles/ (7237)

7 exp Chordae Tendineae/ (1612)

8 (chorda\* adj3 Tendin\*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (2101)

9 (8 or 6 or 7) and (3 or 4) (2755)

10 (mitral adj3 (regurg\* or chord\* or incompet\* or flail\* or papill\* or tether\* or leak\* or ruptur\* or malcoapt\* or prolaps\* or insufficien\* or perforat\* or enlarge\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (26715)

11 1 or 5 or 9 or 10 (44220)

12 exp myocardial ischemia/ or exp acute coronary syndrome/ or exp angina pectoris/ or exp angina, unstable/ or exp angina pectoris, variant/ or exp coronary disease/ or exp coronary artery disease/ or exp coronary occlusion/ or exp coronary stenosis/ or exp coronary restenosis/ or exp coronary thrombosis/ or exp coronary vasospasm/ or exp myocardial infarction/ or exp anterior wall myocardial infarction/ or exp inferior wall myocardial infarction/ or exp myocardial stunning/ or exp shock, cardiogenic/ or exp myocardial reperfusion injury/ (359420)

13 (heart adj3 (infarct\* or attack\* or injur\* or ischemi\* or ischaemi\* or thromb\* or atherosclero\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (54207)

14 (coronary adj3 (occlu\* or steno\* or ischemi\* or ischaemi\* or shock\* or thromb\* or event\* or syndrome\* or vasospas\* or unstable\* or attack\* or insufficien\* or resteno\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (75954)

15 (STEMI or NSTEMI or UA or MI or unstable angina\*).ti,ab. (45012)

16 (myocardi\* adj3 (infarct\* or ischemi\* or ischaemi\* or necro\* or stun\* or injur\* or reperfus\* or attack\* or dysfunction\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (244355)

17 12 or 13 or 14 or 15 or 16 (440255)

18 exp Mitral Valve Annuloplasty/ (413)

19 exp Heart Valve Prosthesis/ (28005)

20 exp Heart Valve Prosthesis Implantation/ (12963)

21 exp Cardiac Surgical Procedures/ (167028)

22 (Mitral adj4 (proste\* or insert\* or implant\* or repair\* or replac\* or plac\* or annuloplast\* or surg\* or interven\* or Procedure\* or clip\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier] (16355)

23 18 or 19 or 20 or 21 or 22 (194104)

24 (randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab. (3308511)

25 exp animals/ not humans.sh. (4066609)

26 24 not 25 (2817704)

27 11 and 17 and 23 and 26 (440)

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## EMBASE

No.	Query	Results
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#1		383
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#1.49	#1.15 AND #1.23 AND #1.39 AND #1.48	383
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#1.48	#1.40 OR #1.43 OR #1.44 OR #1.45 OR #1.46 OR #1.47	
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#1.47	mitral NEAR/4 (regurg* OR chord* OR incompet* OR flail* OR papill* OR tether* OR leak* OR ruptur* OR malcoapt* OR prolaps* OR insufficien* OR perforat* OR enlarge*)	
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#1.46	'mitral regurgitation'/exp OR mitral AND regurgitati*	
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#1.45	'chordae tendineae rupture'/exp OR chordae AND tendineae AND ruptur*	
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#1.44	'papillary muscles'/exp OR papillary AND muscle*	
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#1.43	#1.41 AND #1.42	
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#1.42	mitral AND ('valve'/exp OR valve*)	
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#1.41	'heart valve diseases'/exp OR heart AND valve AND disease*	
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#1.40	'mitral valve insufficiency'/exp OR mitral NEAR/4 insufficien*	
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#1.39	#1.24 OR #1.25 OR #1.26 OR #1.27 OR #1.28 OR #1.29 OR #1.30 OR #1.31 OR #1.32 OR #1.33 OR #1.34 OR #1.35 OR #1.36 OR #1.37 OR #1.38	
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#1.38	'acute coronary syndrome'/exp OR acute AND coronary AND syndrome*	
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#1.37	'unstable angina'/exp OR unstable AND angina*	
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#1.36	'acute coronary artery thrombosis'/exp OR acute AND coronary AND thrombo*	
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#1.35	'st elevated myocardial infarction'/exp OR st AND elevat* AND myocardial AND infarct*	
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#1.34	non AND ('st'/exp OR st) AND segment AND elevat*	
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#1.33	'non st elevated myocardial infarction'/exp OR non AND st AND elevat* AND myocardial AND infarct*	
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#1.32	'st elevation'/exp OR 'st elevation'	
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#1.31	myocardi* NEAR/4 (infarct* OR ischemi* OR ischaemi* OR necro* OR stun* OR injur* OR reperfus* OR attack* OR dysfunction*)	
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#1.30	coronary NEAR/4 (occlu* OR steno* OR ischemi* OR ischaemi* OR shock* OR thromb* OR event* OR syndrome* OR vasospas* OR unstable* OR attack* OR insufficien* OR resteno*)	
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#1.29	'angina pectoris'/exp OR 'angina pectoris'	
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#1.28	heart NEAR/4 (infarct* OR attack* OR injur* OR ischemi* OR ischaemi* OR thromb* OR atherosclero*)	
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#1.27	'anteroseptal myocardial infarction'/exp OR anteroseptal AND myocardial AND infarct*	
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#1.26	'inferior wall myocardial infarction'/exp OR inferior AND wall AND myocardial AND infarct*	
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#1.25	'ischemic mitral regurgitation'	
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#1.24	'cardiogenic shock'/exp OR cardiogenic AND shock*	
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#1.23	#1.16 OR #1.17 OR #1.18 OR #1.19 OR #1.20 OR #1.21 OR #1.22	
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#1.22	mitral NEAR/4 (prosthe* OR insert* OR implant* OR repair* OR replac* OR plac* OR annuloplast* OR surg* OR interven* OR procedure* OR clip*)	
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#1.21	'heart valve bioprosthesis'/exp OR 'heart valve bioprosthesis'	
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- #1.20 'mitral valve prosthesis'/exp OR 'mitral valve prosthesis'
- #1.19 'mitral valve replacement'/exp OR 'mitral valve replacement'
- #1.18 'mitral valve repair'/exp OR 'mitral valve repair'
- #1.17 'mitral annuloplasty'/exp OR 'mitral annuloplasty'
- #1.16 'mitral valvuloplasty'/exp OR 'mitral valvuloplasty'
- #1.15 #1.1 OR #1.2 OR #1.3 OR #1.4 OR #1.5 OR #1.6 OR #1.7 OR #1.8 OR #1.9 OR #1.10 OR #1.11 OR  
 #1.12 OR #1.13 OR #1.14
- #1.14 random\*
- #1.13 factorial\*
- #1.12 crossover\*
- #1.11 cross AND over\*
- #1.10 placebo\*
- #1.9 doubl\* NEAR/2 blind\*
- #1.8 singl\* NEAR/2 blind\*
- #1.7 assign\*
- #1.6 allocat\*
- #1.5 volunteer\*
- #1.4 'crossover procedure'/exp OR 'crossover procedure'
- #1.3 'double blind' AND ('procedure'/exp OR procedure)
- #1.2 randomized AND controlled AND trial
- #1.1 'single blind' AND ('procedure'/exp OR procedure)

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Search Name: final strategy

Last Saved: 26/09/2013 18:17:20.329

Description:

- | ID  | Search  |
|-----|---|
| #1  | MeSH descriptor: [Mitral Valve Annuloplasty] explode all trees  |
| #2  | MeSH descriptor: [Cardiac Valve Annuloplasty] explode all trees   |
| #3  | MeSH descriptor: [Heart Valve Prosthesis] explode all trees   |
| #4  | mitral near (replac* or surg* or interven* or implant* or annuloplast* or prosthe* or repair* or clip* or place* or insert*)  |
| #5  | #1 or #2 or #3 or #4  |
| #6  | MeSH descriptor: [Acute Coronary Syndrome] explode all trees  |
| #7  | MeSH descriptor: [Myocardial Ischemia] explode all trees  |
| #8  | MeSH descriptor: [Angina Pectoris] explode all trees  |
| #9  | MeSH descriptor: [Myocardial Infarction] explode all trees  |
| #10 | MeSH descriptor: [Myocardial Reperfusion Injury] explode all trees  |
| #11 | MeSH descriptor: [Myocardial Stunning] explode all trees  |
| #12 | MeSH descriptor: [Shock, Cardiogenic] explode all trees   |
| #13 | MeSH descriptor: [Myocardial Stunning] explode all trees  |
| #14 | MeSH descriptor: [Anterior Wall Myocardial Infarction] explode all trees  |
| #15 | MeSH descriptor: [Inferior Wall Myocardial Infarction] explode all trees  |
| #16 | MeSH descriptor: [Angina, Unstable] explode all trees   |
| #17 | myocari* near (ischemi* or ischaemi* or infarct* or attack* or event* or dysfunction* or necro* or shock*)  |
| #18 | coronary near (occlu* or thomb* or insufficien* or event* or attack* or ischemi* or ischaemi* or steno* or narrow* or plaque ruptur* or plaque ulcer* or plaque fissur* or acute syndrom* or unstable* or infarct*) |
| #19 | #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18   |
| #20 | Heart Valve Disease*  |
| #21 | heart valve disease   |
| #22 | mitral near (insufficien* or incompeten* or leak* or prolaps* or perfora* or ruptur* or regurgitat* or flail* or malcoaptat* or noncoaptat* or malfunction* or dysfunction*)  |
| #23 | MeSH descriptor: [Papillary Muscles] explode all trees  |
| #24 | MeSH descriptor: [Chordae Tendineae] explode all trees  |
| #25 | papillary near (ruptur* or dysfunction* or malfunction*)  |
| #26 | chordae* near (ruptur* or dysfunction* or malfunction*)   |
| #27 | #20 or #21 or #22 or #23 or #24 or #25 or #26   |
| #28 | #5 and #19 and #27  |