

Appendix: Search Strategies

PubMed

- #1 "Coronary Disease"[Mesh] or "Left Main Disease*"[tw] or "Coronary Arteriosclerosis*"[tw]
#2 "Coronary Artery Bypass"[Mesh] or "Myocardial Revascularization"[Mesh] or "Angioplasty, Balloon, Coronary"[Mesh] or "CABG"[tw]
#3 #1 OR #2
#4 "Surgical Procedures, Operative"[Mesh] or "Off-Pump Coronary Artery Bypass"[tw] or "Off-Pump Coronary Artery Bypass"[tw]
#5 "Percutaneous Coronary Intervention"[Mesh] or "Robotic Surgical Procedures"[Mesh] or "Video-Assisted Surgery"[Mesh] or "Thoroscopes"[Mesh] or "Thoracotomy"[Mesh]
#6 "Traditional thoracotomy"[tw] or "Conventional Surgery"[tw] or "Hybrid"[tw]
#7 #4 or #5 or #6
#8 "random*"[tw] or "controlled"[tw] or "trial*"[tw] or "groups"[tw]
#9 ("singl*"[tw] or "doubl*"[tw] or "tripl*"[tw]) and ("mask*"[tw] or "blind*"[tw])
#10 #8 or #9
#11 #3 and #7 AND #10

Embase (Elsevier)

- #1 'Coronary Disease'/exp
#2 'Coronary Artery Disease'/exp
#3 ("Left Main Diseases" or "Coronary Arteriosclerosis" or CABG): ti,ab
#4 #1 or #2 or #3
#5 'surgery'/exp
#6 "Operative Procedure": ti,ab
#7 #5 or #6
#8 'Percutaneous Coronary Intervention'/exp
#9 "Percutaneous Coronary Revascularizations": ti,ab
#10 #8 or #9
#11 'Robotic Surgical Procedures'/exp
#12 ("Robotic-Assisted Surgery" or "Robot Surgery"): ti,ab
#13 #11 or #12
#14 "Video Assisted Surgery": ti,ab
#15 'Video-Assisted Surgery'/exp
#16 #14 or #15
#17 'Thoroscopes'/exp
#18 ("Pleuroscop*" or Thoracoscopy or "Endoscop*"): ti,ab

#19 #17 or #18

#20 ‘Thoracotomy’/exp

#21 (“Sternotom*” or “thoracotom*” or “hybrid”): ti,ab

#22 #20 or #21

#23 #7 or #10 or #13 or #16 or #19 or #22

#24 (“random*” or “control*” or “trial*” or placebo): ti,ab

#25 (“singl*” or “doubl*” or “tripl*”) and (“mask*” or “blind*”): ti,ab

#26 #23 or #24

#27 #4 AND #23 AND #26

Web of Science

#1 “Coronary Artery Disease” or “Coronary Disease”

#2 “Left Main Disease*” or “Coronary Arteriosclerosis*”

#3 “Coronary Artery Bypass” or “Coronary Artery Bypass, Off Pump” or “Myocardial Revascularization”

#4 “Off-Pump Coronary Artery Bypass” or “Beating Heart Coronary Artery Bypass”

#5 #1 or #2 or #3 or #4

#6 “Surgical Procedures, Operative” or “Operative Surgical Procedure”

#7 “Percutaneous Coronary Intervention” or “Percutaneous Coronary Revascularizations”

#8 “Robot Surger*” or “Robotic-Assisted Surger*” or “Robotic Surgical Procedures”

#9 “Video-Assisted Surger*” or “Video Assisted Surger*”

#10 “Thoroscop*” or “Pleuroscope*” or “Endoscop*”

#11 “Thoracotom*” or “Thoracic Surgery” or “Sternotom*”

#12 #6 or #7 or #8 or #9 or #10 or #11

#13 #5 and #12

The Cochrane Library (Wiley Online Library)

#1 MeSH descriptor ‘Coronary Disease’ explode all trees

#2 (“Left Main Diseases” or “Coronary Arteriosclerosis”): ti,ab,kw

#3 MeSH descriptor ‘Coronary Artery Bypass’ explode all trees

#4 (“Off-Pump Coronary Artery Bypass” or “Beating Heart Coronary Artery Bypass”): ti,ab,kw

#5 #1 or #2 or #3 or #4

#6 MeSH descriptor ‘Operative Surgical Procedure’ explode all trees

#7 (“Operative Procedure*” or “Surgery, Ghost” or Surgery): ti,ab,kw

#9 MeSH descriptor ‘Percutaneous Coronary Intervention’ explode all trees

#10 “Percutaneous Coronary Revascularizations”: ti,ab

#12 MeSH descriptor ‘Robotic Surgical Procedures’ explode all trees

#13 (“Robot Surger*” or “Robotic-Assisted Surgery*”): ti,ab

#14 MeSH descriptor ‘Video-Assisted Surgery’ explode all trees

#15 (“Video Assisted Surgery”: or Thoracosopes): ti,ab,kw:

#16 MeSH descriptor ‘Sternotomy’ explode all trees

#17 “Traditional thoracotomy” or “Median thoracotomy”: ti,ab,kw:

#18 #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17

#19 #5 and #18 in Trials