

Supplemental material 1

Searched items for study selection based on different databases.

PubMed:

Order	Strategy
#1	(((((heart arrest[MeSH] OR (cardiac arrest[Title/Abstract])) OR (out-of-hospital cardiac arrest[MeSH])) OR (in-hospital cardiac arrest[Title/Abstract])) OR (asystole [Title/Abstract])) OR (CA[Title/Abstract]) Filters: Abstract Sort by: Publication Date
#2	((((((((((extracorporeal membrane oxygenation[MeSH] OR (extracorporeal cardiopulmonary resuscitation[Title/Abstract])) OR (extracorporeal life support[Title/Abstract])) OR (mechanical circulation assistance[Title/Abstract])) OR (ECMO[Title/Abstract])) OR (ECPR[Title/Abstract])) OR (ECLS[Title/Abstract])) OR (cardiopulmonary resuscitation[MeSH])) OR (extracorporeal circulation[Title/Abstract])) OR (oxygenators, membrane[MeSH])) OR (life support, extracorporeal[Title/Abstract]) Sort by: Publication Date
#3	((((((((((hypothermia, induced[MeSH] OR (targeted temperature management [Title/Abstract])) OR (therapeutic hypothermia[Title/Abstract])) OR (moderate hypothermia[Title/Abstract])) OR (mild hypothermias[Title/Abstract])) OR (cryotherapy[Title/Abstract])) OR (cold therapy[Title/Abstract])) OR (TTM[MeSH])) OR (temperature monitoring[Title/Abstract])) OR (gastric hypothermia[MeSH])) OR (rewarming[Title/Abstract]) Sort by: Publication Date
#4	(((((randomized controlled trial[Title/Abstract] OR (controlled clinical trial[Title/Abstract])) OR (RCT[Title/Abstract])) OR (cohort study[Title/Abstract])) OR (case-control study [Title/Abstract])) OR (quasi-experimental study[Title/Abstract]) Sort by: Publication Date
#5	#1 AND #2 AND #3 AND #4

Web of Science:

Strategy
((TS=('heart arrest' OR 'cardiac arrest' OR 'out-of-hospital cardiac arrest' OR 'in-hospital cardiac arrest' OR 'asystole' OR 'CA') AND TS=('extracorporeal be oxygenation' OR 'extracorporeal cardiopulmonary resuscitation' OR 'extracorporeal life support' OR 'mechanical circulation assistance' OR 'ECMO' OR 'ECPR' OR 'ECLS' OR 'cardiopulmonary resuscitation' OR 'extracorporeal circulation' OR 'oxygenators, membrane' OR 'life support, extracorporeal') AND TS=('hypothermia, induced' OR 'targeted temperature management' OR 'therapeutic hypothermia' OR 'moderate hypothermia' OR 'mild hypothermias' OR 'cryotherapy' OR 'cold therapy' OR 'TTM' OR 'temperature monitoring' OR 'gastric hypothermia' OR 'rewarming')) AND PY=(1637-2023) AND LANGUAGE=(Chinese OR English) AND DT=(Article)

Cochrane Library:

Order	Strategy
#1	(heart arrest OR cardiac arrest OR out-of-hospital cardiac arrest OR in-hospital cardiac arrest OR asystole OR CA):ti,ab,kw in Trials
#2	(extracorporeal be oxygenation OR extracorporeal cardiopulmonary resuscitation OR

- extracorporeal life support OR mechanical circulation assistance OR ECMO OR ECPR OR ECLS OR cardiopulmonary resuscitation OR extracorporeal circulation OR oxygenators, membrane OR life support, extracorporeal):ti,ab,kw in Trials
- #3 (hypothermia, induced OR targeted temperature management OR therapeutic hypothermia OR moderate hypothermia OR mild hypothermias OR cryotherapy OR cold therapy OR TTM OR temperature monitoring OR gastric hypothermia OR rewarming):ti,ab,kw in Trials
- #4 #1 AND #2 AND #3

Embase:

Order	Strategy
#1	'heart arrest'/exp
#2	'heart arrest':ab,ti,kw OR 'cardiac arrest':ab,ti,kw OR 'out-of-hospital cardiac arrest':ab,ti,kw OR 'in-hospital cardiac arrest':ab,ti,kw OR 'asystole':ab,ti,kw OR 'CA':ab,ti,kw
#3	#1 OR #2
#4	'extracorporeal be oxygenation'/exp
#5	'extracorporeal be oxygenation':ab,ti,kw OR 'extracorporeal cardiopulmonary resuscitation':ab,ti,kw OR 'extracorporeal life support':ab,ti,kw OR 'mechanical circulation assistance':ab,ti,kw OR 'ECMO':ab,ti,kw OR 'ECPR':ab,ti,kw OR 'ECLS':ab,ti,kw OR 'cardiopulmonary resuscitation':ab,ti,kw OR 'extracorporeal circulation':ab,ti,kw OR 'oxygenators, membrane':ab,ti,kw OR 'life support, extracorporeal':ab,ti,kw
#7	#3 OR #4
#8	'hypothermia, induced'/exp
#9	'hypothermia, induced':ab,ti,kw OR 'targeted temperature management':ab,ti,kw OR 'therapeutic hypothermia':ab,ti,kw OR 'moderate hypothermia':ab,ti,kw OR 'mild hypothermias':ab,ti,kw OR 'cryotherapy':ab,ti,kw OR 'cold therapy':ab,ti,kw OR 'TTM':ab,ti,kw OR 'temperature monitoring':ab,ti,kw OR 'gastric hypothermia':ab,ti,kw OR 'rewarming':ab,ti,kw
#10	#8 OR #9
#11	#3AND #7 AND #10

Ovid:

Strategy
heart arrest OR cardiac arrest OR "out-of-hospital cardiac arrest" OR "in-hospital cardiac arrest" OR asystole OR CA AND "extracorporeal membrane oxygenation" OR "extracorporeal cardiopulmonary resuscitation" OR "extracorporeal life support" OR "mechanical circulation assistance" OR ECMO OR ECPR OR ECLS OR "cardiopulmonary resuscitation" OR "extracorporeal circulation" OR "oxygenators, membrane" OR "life support, extracorporeal" AND hypothermia OR induced OR "targeted temperature management" OR "therapeutic hypothermia" OR "moderate hypothermia" OR "mild hypothermias" OR cryotherapy OR "cold therapy" OR TTM OR "temperature monitoring" OR "gastric hypothermia" OR rewarming AND ((English AND [embase]/py <= 20230615) OR (Chinese AND [embase]/py <= 20230615)) AND

[embase]/ti,ab,kw.

CNKI:**Strategy**

(SU=('心脏骤停'+呼吸心跳骤停'+心搏骤停'+心跳骤停'+心脏停搏'+猝死'+SCA'+CA') OR AB=('心脏骤停'+呼吸心跳骤停'+心搏骤停'+心跳骤停'+心脏停搏'+猝死'+SCA'+CA')) AND (SU=('体外生命支持'+体外心肺复苏'+ECPR'+ECMO') OR AB=('体外生命支持'+体外心肺复苏'+ECPR'+ECMO')) AND (SU=('目标体温管理'+亚体温'+低温'+治疗性低体温'+保护性低体温'+体温控制'+体温监测'+复温'+冷疗') OR AB=('目标体温管理'+亚体温'+低温'+治疗性低体温'+保护性低体温'+体温控制'+体温监测'+复温'+冷疗'))

Filter by: synonym expansion

Wanfang:**Strategy**

(题名或关键词:(“心脏骤停”OR“呼吸心跳骤停”OR“心搏骤停”OR“心跳骤停”OR“心脏停搏”OR“猝死”OR“SCA”OR“CA”)) and 题名或关键词:(“体外膜肺氧合”OR“机械循环辅助”OR“体外生命支持”OR“体外心肺复苏”OR“ECPR”OR“ECMO”)) and 题名或关键词:(“目标体温管理”OR“亚体温”OR“低温”OR“治疗性低体温”OR“保护性低体温”OR“体温控制”OR“体温监测”OR“复温”OR“冷疗”)) and 出版时间:[* TO 2023-06-15]

China Biology Medicine Disc.

Order	Strategy
#1	("心脏骤停"[全部字段:智能] OR "呼吸心跳骤停"[全部字段:智能] OR "心搏骤停"[全部字段:智能] OR "心跳骤停"[全部字段:智能] OR "心脏停搏"[全部字段:智能] OR "猝死"[全部字段:智能] OR "SCA"[全部字段:智能] OR "CA"[全部字段:智能])
#2	("体外膜肺氧合"[全部字段:智能] OR "机械循环辅助"[全部字段:智能] OR "体外生命支持"[全部字段:智能] OR "体外心肺复苏"[全部字段:智能] OR "ECPR"[全部字段:智能] OR "ECMO"[全部字段:智能])
#3	("目标体温管理"[全部字段:智能] OR "亚体温"[全部字段:智能] OR "低温"[全部字段:智能] OR "治疗性低体温"[全部字段:智能] OR "保护性低体温"[全部字段:智能] OR "体温控制"[全部字段:智能] OR "体温监测"[全部字段:智能] OR "复温"[全部字段:智能] OR "冷疗"[全部字段:智能])
#4	#1 AND #2 AND #3
