

Appendix 1 PubMed (National Library of Medicine) search strategy

Overview		
Database	PubMed.gov	
Platform	National Library of Medicine	
Date of search	August 10 th , 2021	
Number of results	15	
Syntax		
<term> (Mesh Terms)	MeSH heading	
"<term>"	Double quotations are used for searching two or more subsequent words.	
(tiab)	Words in title or abstract	
*	Truncation	
AND, OR	Boolean operator.	
Search (#)	Query	Results
1	subcutaneous emphysema(MeSH Terms)	6,074
2	"subcutaneous emphysema"(tiab)	3,281
3	#1 OR #2	7,859
4	closures, vacuum assisted(MeSH Terms)	3,285
5	negative pressure dressing(MeSH Terms)	3,285
6	#4 OR #5	3,285
7	'NPWT'(tiab) OR 'negative pressure (tiab)' OR 'VAC'(tiab) OR 'vacuum assisted closure'(tiab) OR 'blow-hol*(tiab) OR 'blow hol*(tiab)'	13,411
8	#6 OR #7	14,087
9	'thora*' (tiab) OR 'thorax surg*(tiab) OR 'thorax injur*(tiab) OR 'pneumothor*(tiab) OR 'VATS'(tiab) OR 'thoracoscopy'(tiab) OR 'video-assisted thoraco*(tiab)	243,986
10	#3 AND #8 AND #9	15

Appendix 2 Embase (Elsevier) search strategy

Overview		
Database	Embase	
Platform	Elsevier	
Date of search	August 10 th , 2021	
Number of results	61	
Syntax		
/exp	Exploded indexing term (Emtree heading).	
'<term>'	Single quotations are used	
*	Truncation	
:ti,ab,kw	Terms in either Title or Abstract or Keyword fields	
AND, OR	Boolean operator.	
Search (#)	Query	Results
1	subcutaneous emphysema/exp	6,562
2	'subcutaneous emphysema':ab,ti,kw	4,507
3	#1 OR #2	7,644
4	vacuum/exp	50,744
5	vacuum assisted closure/exp	8,875
6	vacuum assisted closure device/exp	1,056
7	suction device/exp	6,176
8	#4 OR #5 OR #6 OR #7	55,587
9	'vacuum assisted closure':ab,ti,kw OR 'suction devic*':ab,ti,kw OR 'vacuum':ab,ti,kw OR 'VAC':ab,ti,kw OR 'NPWT':ab,ti,kw	46,311
10	#8 OR #9	59,573
11	thorax surgery/exp	671,881
12	thorax injury/exp	90,078
13	pneumothorax/exp	47,207
14	#11 OR #12 OR #13	778,099
15	'thorax surg*':ab,ti,kw OR 'thorax injur*':ab,ti,kw OR 'pneumothor*':ab,ti,kw OR 'VATS':ti,ab,kw OR 'thoracoscopy':ti,ab,kw OR 'Video-assisted thoraco*':ti,ab,kw	52,918
16	#14 OR #15	788,723
17	#3 AND #10 AND #16	61

Appendix 3 Cochrane Library (Cochrane) search strategy

Overview		
Database	Cochrane Library	
Platform	Cochrane	
Date of search	August 10 th , 2021	
Number of results	36	
Syntax		
MeSH descriptor: () explode all trees	Exploded indexing term (Emtree heading).	
'<term>'	Single quotations are used	
:ti,ab,kw	Terms in either Title or Abstract fields or Keywords	
AND, OR	Boolean operator	
*	Truncation	
Search (#)	Query	Results
1	MeSH descriptor: (Subcutaneous Emphysema) explode all trees	89
2	'subcutaneous emphysema':ti,ab,kw	145
3	#1 OR #2	231
4	MeSH descriptor: (Negative-Pressure Wound Therapy) explode all trees	216
5	'negative pressure wound therap*':ti,ab,kw OR 'Vacuum assisted closure':ti,ab,kw OR 'vacuum':ti,ab,kw OR 'VAC':ti,ab,kw OR 'NPWT':ti,ab,kw	3,389
6	#4 OR #5	3,389
7	MeSH descriptor: (Thoracic Surgery) explode all trees	167
8	(MeSH descriptor: (Thoracic Surgical Procedures) explode all trees	15,846
9	MeSH descriptor: (Thoracic Surgery, Video-Assisted) explode all trees	260
10	MeSH descriptor: (Pneumothorax) explode all trees	354
11	'Thoracic surg*':ti,ab,kw OR 'Thoracic traum*':ti,ab,kw OR 'Pneumothor*':ti,ab,kw OR VATS:ti,ab,kw OR Thoracoscopy:ti,ab,kw OR Video-assisted thoraco*':ti,ab,kw	14,259
12	#7 OR #8 OR #9 OR #10 OR #11	26,819
13	#3 AND # 6 AND #12	36

The results included 0 Cochrane reviews, 0 Cochrane protocols, 36 Trials and 0 Editorials.