Supplemental Table 1: Search strategy (updated 15^{th} Nov 2024)

1A: Ovid MEDLINE

1	Lynn (a) [Synnami]
1	Lung/su [Surgery] Program and the state of
	Pneumonectom*.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
2	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
	synonyms, population supplementary concept word, anatomy supplementary concept word]
	postpneumonectom*.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
2	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
3	synonyms, population supplementary concept word, anatomy supplementary concept word]
	(Lung or lungs).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
4	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
4	synonyms, population supplementary concept word, anatomy supplementary concept word]
	(resect* or reduction or reduce).mp. [mp=title, book title, abstract, original title, name of substance word,
	subject heading word, floating sub-heading word, keyword heading word, organism supplementary
_	concept word, protocol supplementary concept word, rare disease supplementary concept word, unique
5	identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]
6	((Lung or lungs or pulmonary) adj2 (resect* or reduction or reduce)).mp.
	lobectom*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
7	synonyms, population supplementary concept word, anatomy supplementary concept word]
8	4 and 7
	segmentectom*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
9	synonyms, population supplementary concept word, anatomy supplementary concept word]
	wedge resect*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
10	synonyms, population supplementary concept word, anatomy supplementary concept word]
	(Remove or removal).mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
11	synonyms, population supplementary concept word, anatomy supplementary concept word]
12	((Lung or lungs) adj3 (Remove or removal)).mp.
13	1 or 2 or 3 or 6 or 8 or 9 or 10 or 12
15	Complication*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
14	synonyms, population supplementary concept word, anatomy supplementary concept word]
	treatment outcome.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
15	synonyms, population supplementary concept word, anatomy supplementary concept word]
1.0	atrial fibrillation.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
16	synonyms, population supplementary concept word, anatomy supplementary concept word
10	atrial flutter.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
17	synonyms, population supplementary concept word, anatomy supplementary concept word]
	-yyyyyyy

	atelectasis.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
18	synonyms, population supplementary concept word, anatomy supplementary concept word]
	respiratory failure.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
19	synonyms, population supplementary concept word, anatomy supplementary concept word
17	bleeding.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word,
	floating sub-heading word, keyword heading word, organism supplementary concept word, protocol
20	supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms,
20	population supplementary concept word, anatomy supplementary concept word]
	(infection or infective).mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
21	synonyms, population supplementary concept word, anatomy supplementary concept word]
	air leak.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word,
	floating sub-heading word, keyword heading word, organism supplementary concept word, protocol
	supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms,
22	population supplementary concept word, anatomy supplementary concept word
	Pneumothorax.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
22	
23	synonyms, population supplementary concept word, anatomy supplementary concept word]
	bronchopleural fistula.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
24	synonyms, population supplementary concept word, anatomy supplementary concept word]
	Bronchial Fistula.mp. [mp=title, book title, abstract, original title, name of substance word, subject
	heading word, floating sub-heading word, keyword heading word, organism supplementary concept
	word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
25	synonyms, population supplementary concept word, anatomy supplementary concept word]
	arrythmia*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
26	synonyms, population supplementary concept word, anatomy supplementary concept word
27	14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26
28	13 and 27
	economic*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
29	synonyms, population supplementary concept word, anatomy supplementary concept word]
2)	(Cost or costs).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
20	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
30	synonyms, population supplementary concept word, anatomy supplementary concept word]
	(DALY or disability adjusted life year* or DALYS).mp. [mp=title, book title, abstract, original title, name
	of substance word, subject heading word, floating sub-heading word, keyword heading word, organism
	supplementary concept word, protocol supplementary concept word, rare disease supplementary concept
	word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary
31	concept word]
	(Hospitalisation* or hospitalisation*).mp. [mp=title, book title, abstract, original title, name of substance
	word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary
	concept word, protocol supplementary concept word, rare disease supplementary concept word, unique
32	identifier, synonyms, population supplementary concept word, anatomy supplementary concept word
<u> </u>	Expenditure*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading
	word, floating sub-heading word, keyword heading word, organism supplementary concept word,
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier,
22	
33	synonyms, population supplementary concept word, anatomy supplementary concept word

34	exp "Costs and Cost Analysis"/
35	exp Hospitalisation/
36	29 or 30 or 31 or 32 or 33 or 34 or 35
37	28 and 36
38	limit 37 to english language

1B: Ovid EMBASE

	1 / 10 1
1	Lung/su [Surgery]
2	Pneumonectom*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
3	postpneumonectom*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
4	(Lung or lungs).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
5	(resect* or reduction or reduce).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
6	((Lung or lungs or pulmonary) adj2 (resect* or reduction or reduce)).mp.
7	lobectom*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
8	4 and 7
9	segmentectom*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
10	wedge resect*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
11	(Remove or removal).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
12	((Lung or lungs) adj3 (Remove or removal)).mp.
13	1 or 2 or 3 or 6 or 8 or 9 or 10 or 12
14	Complication*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
15	treatment outcome.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
16	atrial fibrillation.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
17	atrial flutter.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
18	atelectasis.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
19	respiratory failure.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

	bleeding.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
20	manufacturer, device trade name, keyword heading word, floating subheading word, candidate term
20	word]
	(infection or infective).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word,
21	candidate term word
	air leak.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
	manufacturer, device trade name, keyword heading word, floating subheading word, candidate term
22	word]
	Pneumothorax.mp. [mp=title, abstract, heading word, drug trade name, original title, device
	manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word,
23	candidate term word]
	bronchopleural fistula.mp. [mp=title, abstract, heading word, drug trade name, original title, device
24	manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
	Bronchial Fistula.mp. [mp=title, abstract, heading word, drug trade name, original title, device
	manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word,
25	candidate term word]
	arrythmia*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
26	drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term
26	word]
27	14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26
28	13 and 27
	economic*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
20	drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term
29	word] (Cost or costs).mp. [mp=title, abstract, heading word, drug trade name, original title, device
	manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word,
30	candidate term word]
	(DALY or disability adjusted life year* or DALYS).mp. [mp=title, abstract, heading word, drug trade
	name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word,
31	floating subheading word, candidate term word]
	(Hospitalisation* or hospitalisation*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating
32	subheading word, candidate term word]
32	Expenditure*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
	drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term
33	word]
34	exp "Costs and Cost Analysis"/
35	exp Hospitalisation/
36	29 or 30 or 31 or 32 or 33 or 34 or 35
37	28 and 36
38	limit 37 to english language
39	limit 38 to conference abstract status
40	38 not 39
_	

1C: CENTRAL

1	Keyword search: "lung"
2	Keyword search: "resection" OR "lung resection" OR "surgery" OR "lung surgery"
3	Keyword search: Complication*
4	Keyword search: Cost* OR "expenditure"

5 1 AND 2 AND 3 AND 4