S1 Appendix: Literature Search Strategy (example given for repeat search – same terms used for initial search, see methods)

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily, and Versions(R) <1946 to July 24, 2018>

Search Strategy:

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1     exp postoperative complication/ or postoperative.mp. or exp postoperative period/ (827536)
2     post?operative.mp. (715899)
3     post?surg*.mp. (17054)
4     post?an?esth*.mp. (4123)
5     ((post* or after*) adj3 (surg* or operat* or an?esth*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (448032)
6     myocardial infarction.mp. or exp heart infarction/ (225744)
7     exp acute heart infarction/ or exp heart infarction/ or MI.mp. (41812)
8     cardiac arrest.mp. or exp heart arrest/ (55523)
9     arrhythmia.mp. or exp heart arrhythmia/ (64504)
10    heart failure.mp. or exp heart failure/ (182275)
11    congestive cardiac failure.mp. or exp congestive heart failure/ (108906)
12    angina.mp. or exp angina pectoris/ (67035)
13    stroke.mp. or exp cerebrovascular accident/ (272135)
14    major adverse cardiac event*.mp. (5433)
15    (MACE or MACCE).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (6493)
16    exp death/ or death.mp. (758831)
17    exp mortality/ or mortality.mp. (1112088)
18    ((unplanned or unexpect* or unintentional or unnecessary) adj3 (ITU or ICU or intensive care unit)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (345)
19    exp pneumonia/ or exp aspiration pneumonia/ or exp hospital acquired pneumonia/ or pneumonia.mp. (141779)
20    (respiratory infection or LRTI or lower respiratory tract infection).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (11150)
21    respiratory failure.mp. or exp respiratory failure/ (76013)
exp hypoxia/ or hypoxia.mp. (142339)
hypercarbia.mp. or exp hypercapnia/ (9227)
pleural effusion.mp. or exp pleura effusion/ (27496)
pneumothorax.mp. or exp pneumothorax/ (25299)
bronchospasm.mp. or exp bronchospasm/ (7245)
atelectasis.mp. or exp atelectasis/ (10708)
(aspiration adj pneumonitis).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (460)
cardio?pulmonary exercise test.mp. or exp cardiopulmonary exercise test/ (59968)
CPET.mp. (1036)
CPEX.mp. (17)
or/1-5 (1087570)
or/6-28 (2556975)
or/29-31 (60238)
and/32-34 (1225)
limit 35 to yr="2017 -Current" (38)