

Table S1 Medline search strategy

	Search completed on June 14, 2018	Results
1	Ventilator-Induced Lung Injury/	802
2	vili.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating subheading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	614
3	vali.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating subheading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	150
4	(ventilator adj3 (associated or induced)).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]	7854
5	(lung adj3 injur*).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]	31156
6	4 and 5	2068
7	exp Respiratory Distress Syndrome, Adult/	17465
8	ards.mp.	10344
9	(respiratory adj3 distress*).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]	49621
10	7 or 8 or 9	50892
11	(ventilator adj3 (associated or induced)).mp.	7854
12	10 and 11	1197
13	1 or 2 or 3 or 6 or 12	2563
14	exp Biomarkers/ or biomark*.mp.	763416
15	(assay* or test*).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]	4449201
16	cytokine*.mp.	360472
17	biochem*.mp.	411054
18	measure*.mp.	3061547
19	histopatholog*.mp.	199176
20	ELISA.mp. or exp Enzyme-Linked Immunosorbent Assay/	226171
21	(enzyme* adj5 assay*).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]	210191
22	(gel adj3 zymography).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]	414
23	exp Histological Techniques/ or histolog*.mp.	1495655
24	(RNA or mRNA).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]	1100453
25	exp Reverse Transcriptase Polymerase Chain Reaction/ or Rt-PCr.mp.	233434
26	14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25	9238855
27	13 and 26	1346
28	(neonat* or infant*).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]	1280581
29	27 not 28	1222

Table S2 EMBASE search strategy

Search Completed on June 14, 2016		Results
	Searches	
1	exp ventilator induced lung injury/	1797
2	vili.mp.	1138
3	vali.mp.	353
4	manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	14681
5	manufacturer, device trade name, keyword, floating subheading word, candidate term word]	55407
6	4 and 5	3605
7	exp respiratory distress syndrome/	66076
8	ards.mp.	17593
9	manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	89748
10	7 or 8 or 9	103805
11	manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	14681
12	10 and 11	2806
13	1 or 2 or 3 or 6 or 12	4889
14	biomarkers.mp. or exp biological marker/	341021
15	exp cytokine/ or cytokine*.mp.	1413210
16	biochemistry/ or biochem*.mp. or exp metabolism/	5329892
17	measure*.mp.	3837486
18	exp histopathology/ or histopatholog*. mp.	606984
19	elisa.mp. or exp enzyme linked immunosorbent assay/	357632
20	manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	409792
21	histology.mp. or exp histology/	409792
22	manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1380721
23	exp RNA directed DNA polymerase/	15350
24	rt-pcr.mp. or exp reverse transcription polymerase chain reaction/	325022
25	manufacturer, device trade name, keyword, floating subheading word, candidate term word]	5618937
26	14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25	13963706
27	13 and 26	2829
28	manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1078191
29	27 not 28	2633