

## **Supplementary Materials File S1**

### **Search Strategy Details**

#### **PubMed**

("Respiratory Distress Syndrome"[MeSH Terms] OR "Acute Lung Injury"[MeSH Terms] OR "acute respiratory distress"[Title/Abstract] OR "adult respiratory distress"[Title/Abstract] OR "shock lung\*" [Title/Abstract] OR "acute lung injur\*" [Title/Abstract] OR "ALI"[Title/Abstract]) AND ("Continuous Positive Airway Pressure"[Mesh] OR "Airway Pressure Release Ventilation"[Title/Abstract] OR "air pressure release ventilation"[Title/Abstract] OR APRV[Title/Abstract] OR "pressure high"[Title/Abstract] OR "pressure low"[Title/Abstract] OR "P High"[Title/Abstract] OR "PHigh"[Title/Abstract] OR "P Low"[Title/Abstract] OR "PLow"[Title/Abstract] OR "time high"[Title/Abstract] OR "time low"[Title/Abstract] OR "Thigh"[Title/Abstract] OR "T High"[Title/Abstract] OR "Tlow"[Title/Abstract] OR "T low"[Title/Abstract])

#### **Embase**

**#9** #8 NOT [medline/lim]

**#8** #4 AND #7

**#7** #5 OR #6

**#6** 'airway pressure release ventilation':ti,ab OR 'air pressure release ventilation':ti,ab OR aprv:ti,ab OR 'pressure high':ti,ab OR 'pressure low':ti,ab OR 'p high':ti,ab OR 'phigh':ti,ab OR 'p low':ti,ab OR 'plow':ti,ab OR 'time high':ti,ab OR 'time low':ti,ab OR 'thigh':ti,ab OR 't high':ti,ab OR 'tlow':ti,ab OR 't low':ti,ab

**#5** 'airway pressure release ventilation'/exp

**#4** #1 OR #2 OR #3

**#3** 'acute respiratory distress':ti,ab OR 'adult respiratory distress':ti,ab OR 'shock lung\*':ti,ab OR 'acute lung injur\*':ti,ab OR 'ali':ti,ab

**#2** 'acute lung injury'/exp

**#1** 'adult respiratory distress syndrome'/exp

#### **CENTRAL**

**#1** MeSH descriptor: [Respiratory Distress Syndrome] explode all trees

**#2** MeSH descriptor: [Acute Lung Injury] explode all trees

**#3** "acute respiratory distress":ti,ab OR "adult respiratory distress":ti,ab OR shock NEXT lung\*:ti,ab OR acute NEXT lung NEXT injur\*:ti,ab OR "ali":ti,ab

**#4** #1 OR #2 OR #3

**#5** MeSH descriptor: [Continuous Positive Airway Pressure] explode all trees

**#6** "Airway Pressure Release Ventilation":ti,ab OR "air pressure release ventilation":ti,ab OR APRV:ti,ab OR "pressure high":ti,ab OR "pressure low":ti,ab OR "P High":ti,ab OR "PHigh":ti,ab OR "P Low":ti,ab OR "PLow":ti,ab OR "time high":ti,ab OR "time low":ti,ab OR "Thigh":ti,ab OR "T High":ti,ab OR "Tlow":ti,ab OR "T low":ti,ab

**#7** #5 OR #6

**#8** #4 AND #7

**#9** "accession number" near pubmed

**#10** "accession number" NEAR/2 Embase

**#11** #8 NOT #9

**#12** #11 NOT #10

## **Web of Science (SCI-Expanded; ESCI; CPCI-S; SSCI)**

**#3** #1 AND #2

**#2** TS=("airway pressure release ventilation" OR "air pressure release ventilation" OR aprv OR "pressure high" OR "pressure low" OR "p high" OR "phigh" OR "p low" OR "plow" OR "time high" OR "time low" OR "thigh" OR "t high" OR "tlow" OR "t low")

**#1** TS=( "acute respiratory distress" OR "adult respiratory distress" OR "shock lung\*" OR "acute lung injur\*" OR "ali")

## **Scopus**

(TITLE-ABS-KEY("acute respiratory distress" OR "adult respiratory distress" OR "shock lung\*" OR "acute lung injur\*" OR "ali")) AND (TITLE-ABS-KEY("airway pressure release ventilation" OR "air pressure release ventilation" OR aprv OR "pressure high" OR "pressure low" OR "p high" OR "phigh" OR "p low" OR "plow" OR "time high" OR "time low" OR "thigh" OR "t high" OR "tlow" OR "t low")) AND NOT INDEX(MEDLINE)