

SUPPLEMENTARY I

Search Strategy

No. of search	Search term	Results
Database: PubMed (Last search on December 14, 2022)		
#1	"gas exchange"[All Fields] OR "P/F ratio"[All Fields] OR "S/F ratio"[All Fields] OR "SaO2"[All Fields] OR "PaO2"[All Fields] OR "PaO2/FiO2 ratio"[All Fields] OR "SaO2/FiO2 ratio"[All Fields] OR "PaO2/FiO2"[All Fields] OR "SaO2/FiO2"[All Fields] OR "arterial blood gas"[All Fields] OR "pulse oximetry"[All Fields] OR "PF ratio"[All Fields] OR "SF ratio"[All Fields] OR "Horowitz index"[All Fields] OR "SpO2/FiO2 ratio"[All Fields] OR "SpO2/FiO2"[All Fields] OR "blood gas monitoring, transcutaneous"[MeSH Terms] OR "Blood Gas Analysis"[MeSH Terms] OR "Oximetry"[MeSH Terms] OR "Oxygen Saturation"[MeSH Terms] OR "SpO2"[All Fields] OR "oxygenation"[All Fields]	157,247
#2	"respiratory distress syndrome"[MeSH Terms] OR "respiratory distress syndrome*"[All Fields] OR "ARDS"[All Fields] OR "acute respiratory distress syndrome"[All Fields] OR "human ARDS"[All Fields] OR "adult respiratory distress syndrome"[All Fields] OR "shock lung"[All Fields] OR "respiratory distress"[All Fields] OR "acute lung injury"[All Fields] OR "lung injury"[All Fields] OR "acute hypoxemia respiratory failure"[All Fields] OR "acute hypoxemic respiratory failure"[All Fields] OR "hypoxemic respiratory failure"[All Fields] OR "hypoxemia respiratory failure"[All Fields] OR "acute hypoxaemic respiratory failure"[All Fields] OR "hypoxaemic respiratory failure"[All Fields]	103,009
#3	"prone positioning"[All Fields] OR "proning"[All Fields] OR "awake proning"[All Fields] OR "awake prone positioning"[All Fields] OR "awake prone position"[All Fields] OR "prone"[All Fields] OR "self prone positioning"[All Fields] OR "self proning"[All Fields] OR "prone ventilation"[All Fields] OR "Prone Position"[All Fields] OR "Prone Position"[MeSH Terms]	94,030
#4	#1 AND #2 AND #3	1117
#5	#4 Filters applied: English	1007
Database: Web of Science (Last search on December 14, 2022)		
#1	(((((ALL=("prone position*")) OR ALL=("proning")) OR ALL=("awake pron*")) OR ALL=("awake prone position*")) OR ALL=("self pron*")) OR ALL=("prone ventilation")) OR ALL=("self prone position*"))	8,069

No. of search	Search term	Results
#2	((((((((ALL=("acute respiratory distress syndrome")) OR ALL=("acute lung injury")) OR ALL=("acute hypox?mic respiratory failure")) OR ALL=("ARDS")) OR ALL=("respiratory distress syndrome")) OR ALL=("shock lung")) OR ALL=("human ARDS")) OR ALL=("adult respiratory distress syndrome")) OR ALL=("lung injury")) OR ALL=("hypox?mic respiratory failure") OR ALL=("acute hypox?mic respiratory failure") OR ALL=("hypoxemia respiratory failure") OR ALL=("acute hypoxemia respiratory failure")	96,122
#3	((((((((((((((((ALL=("gas exchange")) OR ALL=("P/F ratio")) OR ALL=("PF ratio")) OR ALL=("horowitz index")) OR ALL=("PaO2/FiO2 ratio")) OR ALL=("blood gas analysis")) OR ALL=("transcutaneous blood gas monitoring")) OR ALL=("oximetry")) OR ALL=("oxygen saturation")) OR ALL=("PaO2")) OR ALL=("SpO2")) OR ALL=("SaO2")) OR ALL=("SpO2/FiO2 ratio")) OR ALL=("SaO2/FiO2 ratio")) OR ALL=("S/F ratio")) OR ALL=("SF ratio")) OR ALL=("arterial blood gas")) OR ALL=("pulse oximetry")) OR ALL=("oxygenation"))	177,507
#4	#1 AND #2 AND #3	1,093
#5	#4 Limit to English Language	1,024
Database: CINAHL Plus with Full Text (Expanders: Apply equivalent subject; Search modes: Boolean/Phrases; Last search on December 14, 2022)		
#1	MW "prone position" OR TX (prone OR "awake prone position*" OR "awake pron*" OR "self pron*" OR "self prone position*" OR "prone ventilation")	49,563
#2	MW "acute respiratory distress syndrome" OR TX ("acute lung injury" OR "hypoxaemic respiratory failure" OR "hypoxemic respiratory failure" OR "hypoxemia respiratory failure" OR "acute hypoxemic respiratory failure" OR "acute hypoxemia respiratory failure" OR "acute hypoxaemic respiratory failure" OR "lung injury" OR "shock lung" OR "adult respiratory distress syndrome" OR "human ARDS" OR "respiratory distress syndrome*" OR ARDS OR "respiratory distress")	42,741
#3	MW "oxygen saturation" OR MW "blood gas analysis" OR MW "blood gas monitoring" OR MW "oximetry" OR TX ("oxygenation" OR "arterial blood gas"	56,565

No. of search	Search term	Results
	OR "gas exchange" OR "PF ratio" OR "SF ratio" OR "horowitz index" OR "pulse oximetry" OR "SpO2" OR PaO2 OR SaO2 OR "SpO2/FiO2" OR "SpO2/FiO2 ratio" OR "SaO2/FiO2" OR "SaO2/FiO2 ratio" OR "PaO2/FiO2" OR "PaO2/FiO2 ratio")	
#4	#1 AND #2 AND #3	1,473
#5	#4 Limiters: English Language; Peer Reviewed	1,253