

CQ 9-5 人工呼吸管理となった成人敗血症患者に対して抜管前に SBT を行うか？

検索データベース

- MEDLINE (PubMed/Ovid)
- CENTRAL
- 医学中央雑誌
- その他 ()

検索式とヒット数

PubMed search strategy(検索日 2019 年 9 月 2 日)

#1	“Respiratory Insufficiency”[mesh] OR “Respiratory Insufficiency”[tiab] OR “Positive-Pressure Respiration”[mesh] OR “Positive-Pressure Respiration”[tiab] OR “Ventilators, Mechanical”[mesh] OR “Ventilators, Mechanical”[tiab] OR “Mechanical ventilation”[mesh] OR “Mechanical ventilation”[tiab] OR “Respiration Disorders”[mesh] OR “Respiration Disorders”[tiab]	231685
#2	“Spontaneous breathing trial”[tiab] OR “ventilator weaning”[mesh] OR “ventilator weaning”[tiab] OR “airway extubation”[mesh] OR “Weaning and Extubation”[tiab]	5052
#3	randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR drug therapy[sh] OR randomly[tiab] OR trial[tiab] OR groups[tiab] NOT (animals [mh] NOT humans [mh])	3967639
#4	#1 and #2 and #3	1398

CENTRAL search strategy(検索日 2019 年 7 月 28 日)

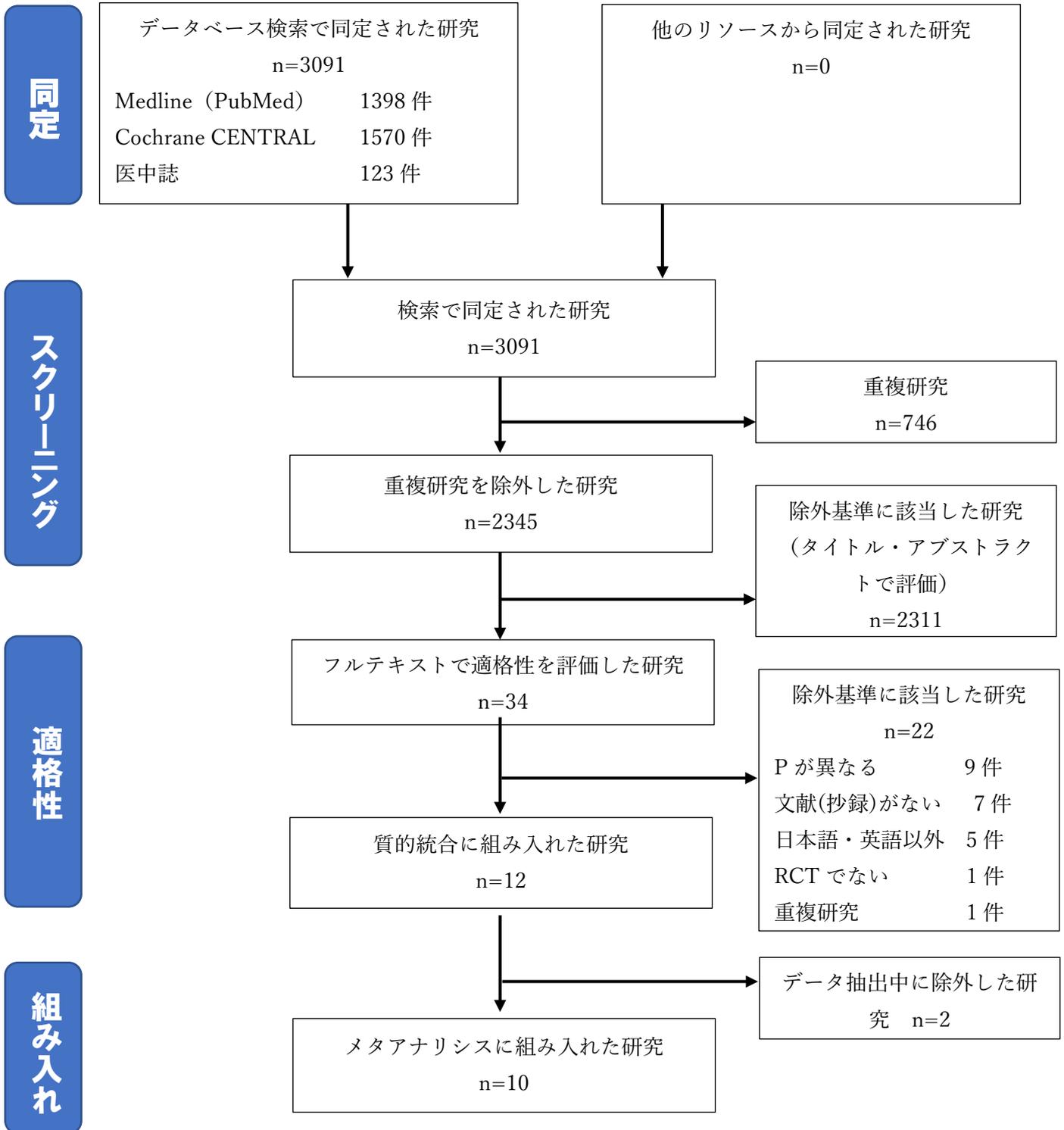
#1	MeSH descriptor: [Respiratory Insufficiency] explode all trees	2405
#2	(Respiratory Insufficiency):ti,ab,kw	1986
#3	MeSH descriptor: [Positive-Pressure Respiration] explode all trees	2562
#4	(Positive-Pressure Respiration):ti,ab,kw	1621
#5	MeSH descriptor: [Ventilators, Mechanical] explode all trees	259
#6	(Ventilators, Mechanical):ti,ab,kw	341
#7	MeSH descriptor: [Respiration, Artificial] explode all trees	5814
#8	(Mechanical ventilation):ti,ab,kw	8365
#9	MeSH descriptor: [Respiration Disorders] explode all trees	10427
#10	(Respiration Disorders):ti,ab,kw	772

#11	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10	20613
#12	(Spontaneous breathing trial):ti,ab,kw	767
#13	MeSH descriptor: [Ventilator Weaning] explode all trees	488
#14	(Ventilator Weaning):ti,ab,kw	994
#15	MeSH descriptor: [Airway Extubation] explode all trees	197
#16	(airway extubation):ti,ab,kw	1106
#17	(Weaning and Extubation):ti,ab,kw	604
#18	#12 OR #13 OR #14 OR #15 OR #16 OR #17	2635
#19	#11 AND #18	1570

医学中央雑誌 search strategy(検索日 2019年9月2日)

#1	(((呼吸不全/TH or 呼吸不全/TA)) and (PT=会議録除く)) and (((陽圧呼吸/TH or 陽圧呼吸/TA)) and (PT=会議録除く)) and (((人工呼吸/TH or 人工呼吸/TA)) and (PT=会議録除く)) and (((人工呼吸器/TH or 人工呼吸器/TA)) and (PT=会議録除く))	
#2	(((自発呼吸トライアル/TA)) and (PT=会議録除く)) and (((人工呼吸器取り外し/TH or 人工呼吸器離脱/TA)) and (PT=会議録除く)) and (((人工呼吸器取り外し/TH or ウィーニング/TA)) and (PT=会議録除く)) and (((抜管/TA)) and (PT=会議録除く))	
#3	ランダム化比較試験/TH or 準ランダム化比較試験/TH or ランダム化/AL or 無作為化/AL or 比較試験/AL or 臨床試験/AL or プラセボ/AL or 対照/AL or コントロール/AL or 臨床研究/AL	
#4	#1 and #2 and #3	123

文献検索フロー (PRISMA 2009 改変)



PRISMA statement: www.prisma-statement.org

Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(6): e1000097. doi:10.1371/journal.pmed1000097

ROB サマリ

短期死亡 (ICU 死亡 or 院内死亡 or 研究終了 or 90 日以内死亡。最大のものを採択)

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Beijing Shijitan Hospital 2009	+	+	-	+	+	+	?
Fan 2015	+	+	-	+	+	+	+
Kollef 1997	?	?	-	+	+	?	+
Marelich 2000	+	+	-	+	+	?	+
Namen 2001	?	?	-	+	+	?	-
Piotto 2011	-	-	-	+	-	?	-
Roh 2012	+	+	-	+	+	?	+
Wang 2013	+	+	-	+	+	?	+

再挿管率（抜管後 48-72 時間以内、NIV 装着も含む）

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Beijing Shijitan Hospital 2009	+	+	-	+	+	+	?
Chaiwat 2010	+	+	-	+	+	?	+
Ely1996	+	+	-	+	+	?	+
Kollef 1997	?	?	-	+	+	?	+
Namen 2001	?	?	-	+	+	?	-
Piotto 2011	-	-	-	+	+	+	-
Wang 2013	+	+	-	+	+	?	+

VFD (28 日以内)

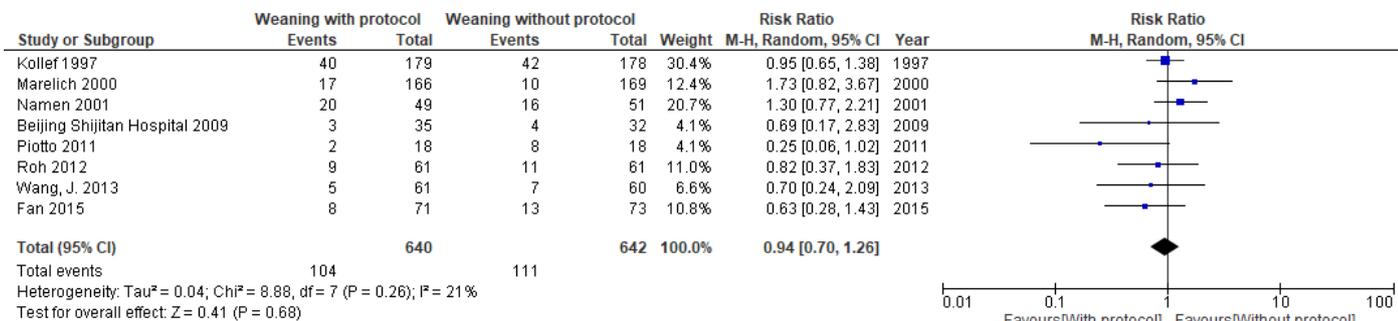
文献なし

ICU 滞在日数

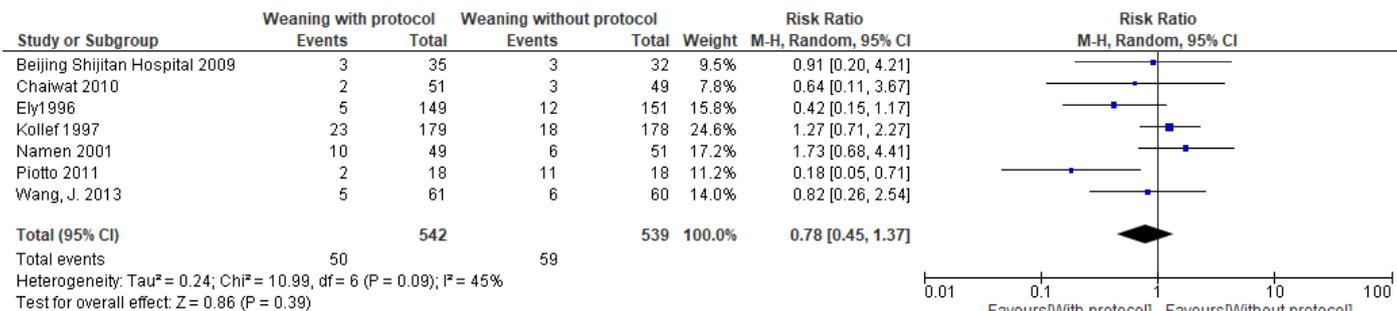
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Ely 1996	+	+	-	+	+	?	+
Fan 2015	+	+	-	+	+	+	+
Namen 2001	?	?	-	+	+	+	-
Piotto 2011	-	-	-	+	+	?	-
Roh 2012	+	+	-	+	+	?	+

フォレストプロット

短期死亡 (ICU 死亡 or 院内死亡 or 研究終了 or 90 日以内死亡。最大のものを採択)



再挿管率（抜管後 48-72 時間以内、NIV 装着も含む）



VFD (28 日以内)

文献なし

ICU 滞在日数

