

CQ20-4-1 睡眠ケアとして換気補助を行うか？

CQ20-4-2 睡眠ケアとして非薬物的睡眠管理(耳栓・アイマスク・音楽療法)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 4 月 30 日)

#1	((((((((((((((((Sepsis[MeSH Terms]) OR Sepsis[Title/Abstract]) OR Systemic inflammatory response syndrome[MeSH Terms]) OR Systemic inflammatory response syndrome[Title/Abstract]) OR SIRS[Title/Abstract]) OR multiple organ failure[MeSH Terms]) OR multiple organ failure[Title/Abstract]) OR MOF[Title/Abstract]) OR critical illness[MeSH Terms]) OR critical illness[Title/Abstract]) OR critical care[MeSH Terms]) OR critical care[Title/Abstract]) OR critically ill[MeSH Terms]) OR critically ill[Title/Abstract]) OR Intensive care unit[MeSH Terms]) OR Intensive care unit[Title/Abstract]) OR ICU[Title/Abstract])	377059
#2	(((sleep[MeSH Terms]) OR sleep[Title/Abstract]) OR sleep 230389 promotion[Title/Abstract]) OR sleep care[Title/Abstract]) OR self care[MeSH Terms]) OR self care[Title/Abstract])	230541
#3	((((((((((((ventilation[Title/Abstract]) OR mechanical ventilator[MeSH Terms]) OR mechanical ventilator[Title/Abstract]) OR ventilator mode[Title/Abstract]) OR ventilator type[Title/Abstract]) OR earplug[MeSH Terms]) OR earplug[Title/Abstract]) OR eye mask[MeSH Terms]) OR eye mask[Title/Abstract]) OR music therapy[MeSH Terms]) OR music therapy[Title/Abstract])	123530
#4	#2 AND #3	3820

#5	((((((((((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]) OR cross over design[MeSH Terms])))	4497168
#6	((animals[MeSH Terms]) NOT humans[MeSH Terms])	4575470
#7	#5 NOT #6	3893961
#8	#1 AND #4 AND #7	123

CENTRAL search strategy(検索日 2019 年 4 月 30 日)

#1	MeSH descriptor: [Sepsis] explode all trees	3998
#2	(sepsis):ti,ab,kw	10248
#3	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4328
#4	("Systemic Inflammatory Response Syndrome"):ti,ab,kw	1020
#5	(SIRS):ti,ab,kw	676
#6	MeSH descriptor: [Multiple Organ Failure] explode all trees	384
#7	("Multiple Organ Failure"):ti,ab,kw	1326
#8	(MOF):ti,ab,kw	141
#9	MeSH descriptor: [Critical Illness] explode all trees	1845
#10	("Critical Illness"):ti,ab,kw	2988
#11	MeSH descriptor: [Critical Care] explode all trees	1918
#12	("Critical Care"):ti,ab,kw	3515
#13	("critically ill"):ti,ab,kw	5961
#14	MeSH descriptor: [Intensive Care Units] explode all trees	3260
#15	("Intensive care unit"):ti,ab,kw	13671
#16	(ICU):ti,ab,kw	10341
#17	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16	34831
#18	MeSH descriptor: [Sleep] explode all trees	5261
#19	(sleep):ti,ab,kw	30972
#20	("sleep promotion"):ti,ab,kw	32
#21	("sleep care"):ti,ab,kw	2

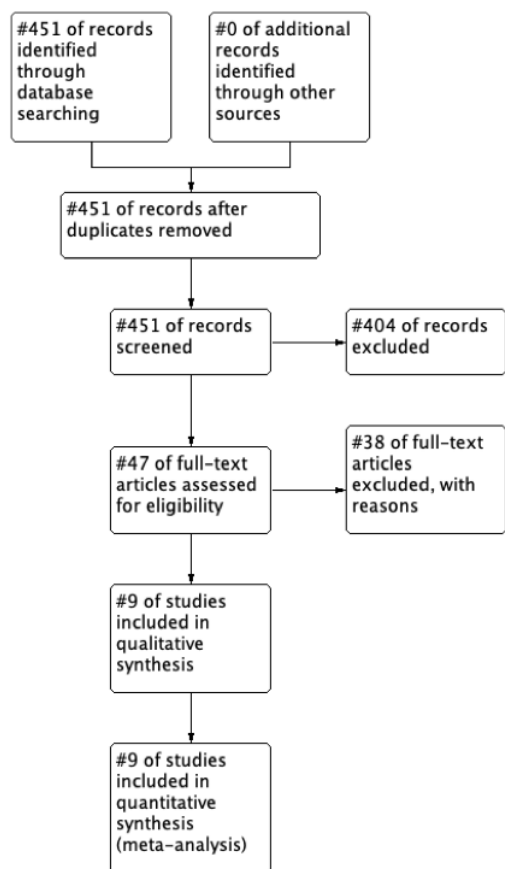
#22	MeSH descriptor: [Self Care] explode all trees	5223
#23	("self care"):ti,ab,kw	8913
#24	#18 OR #19 OR #20 OR #21 OR #22 OR #23	40969
#25	MeSH descriptor: [Ventilation] explode all trees	75
#26	(ventilation):ti,ab,kw	22494
#27	MeSH descriptor: [Ventilators, Mechanical] explode all trees	259
#28	("mechanical ventilator"):ti,ab,kw	323
#29	("ventilator mode"):ti,ab,kw	47
#30	("ventilator type"):ti,ab,kw	6
#31	MeSH descriptor: [Ear Protective Devices] explode all trees	75
#32	(earplug):ti,ab,kw	40
#33	("eye mask"):ti,ab,kw	50
#34	MeSH descriptor: [Music Therapy] explode all trees	727
#35	("music therapy"):ti,ab,kw	1642
#36	#25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35	24372
#37	#24 AND #36	1101
#38	#17 AND #37	167

医学中央雑誌 search strategy (検索日 年 4 月 22 日)

#1	((敗血症/TH or 敗血症/TA)) and (PT=会議録除く)	22,405
#2	((全身性炎症反応症候群/TH or 全身性炎症反応症候群/TA)) and (PT=会議録除く)	17,730
#3	((多臓器不全/TH or 多臓器不全/TA)) and (PT=会議録除く)	6,286
#4	((多臓器不全/TH or MOF/TA)) and (PT=会議録除く)	4,899
#5	(重症患者/TA) and (PT=会議録除く)	3,030
#6	(icu 入室患者/TA) and (PT=会議録除く)	291
#7	((ICU/TH or ICU/TA or 集中治療室/TA)) and (PT=会議録除く)	46,943
#8	#1 or #2 or #3 or #4 or #5 or #6 or #7	76,280
#9	((睡眠/TH or 睡眠/TA)) and (PT=会議録除く)	33,943
#10	(睡眠ケア/TA) and (PT=会議録除く)	37
#11	((人工呼吸器/TH or 人工呼吸器/TA)) and (PT=会議録除く)	12,762
#12	((耳の保護具/TH or 耳の保護具/TA)) and (PT=会議録除く)	91

#13	((アイマスク/TH or アイマスク/TA)) and (PT=会議録除く)	85
#14	((音楽療法/TH or 音楽療法/TA)) and (PT=会議録除く)	2,926
#15	#9 or #10 or #11 or #12 or #13 or #14	49,537
#16	(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 臨床試験/AL) and (PT=会議録除く)	205,082
#17	#8 and #15 and #16	158

PRISMA フロー図



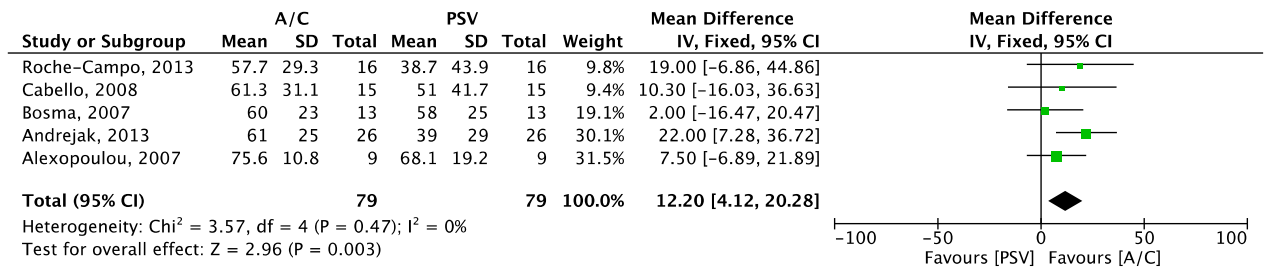
Risk of Bias サマリー

	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
Alexopoulou, 2007	+	+	-	-	+	+	+
Andrejak, 2013	+	+	-	+	-	+	+
Bosma, 2007	?	?	-	+	+	+	+
Cabello, 2008	?	+	-	+	+	+	+
Demoule, 2017	+	+	-	+	-	+	+
Roche-Campo, 2013	?	?	-	+	+	+	+
Ryu, 2012	+	+	-	+	+	+	+
Su, 2013	+	+	-	+	+	-	?
Yazdnnik2014	?	?	-	?	+	-	?

Forest plot

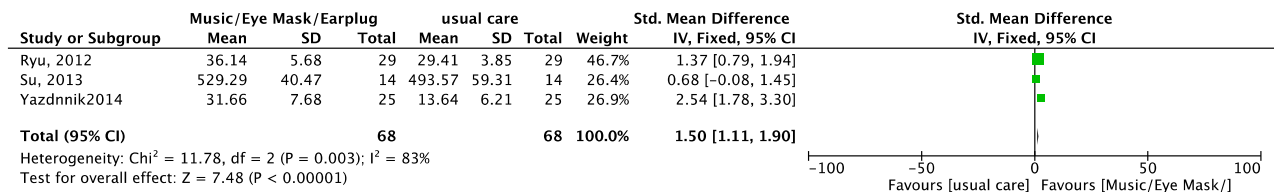
人工呼吸器設定：

アウトカム 客観的睡眠（量）

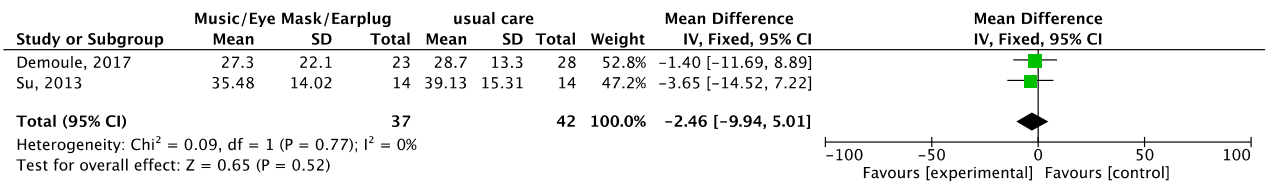


音楽療法・アイマスク・耳栓：

アウトカム① 主観的評価（問診票）



アウトカム② 客観的睡眠（量）



Funnel plot

