

付録

CQ1 重症患者にリハビリテーションの導入を導くか？

1. Search methods

検索データベース

- ☒ MEDLINE (PubMed)
- ☒ CENTRAL
- ☒ 医中誌
- ☐ その他 ()

検索式とヒット数

PubMed search strategy (検索日 2021 年 11 月 1 日)

#1	"Intensive Care Units"[MeSH Terms]	95,202
#2	"intensive care*"[Title/Abstract]	166,858
#3	"icu"[Title/Abstract]	68,448
#4	"Critical Illness"[MeSH Terms]	33,936
#5	"critical ill*"[Title/Abstract]	12,032
#6	"critically ill*"[Title/Abstract]	51,668
#7	"Critical Care"[MeSH Terms]	62,412
#8	"critical care*"[Title/Abstract]	36,423
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	291,469
#10	"Physical Therapy Modalities"[MeSH Terms]	165,736
#11	"physical therap*"[Title/Abstract]	28,509
#12	"physiotherap*"[Title/Abstract]	29,617
#13	"therapy physical"[Title/Abstract]	510
#14	"therapies physical"[Title/Abstract]	45
#15	"modalities physical therap*"[Title/Abstract]	4
#16	"neurophysiotherap*"[Title/Abstract]	28
#17	"Exercise Therapy"[MeSH Terms]	57,059
#18	"remedial exercis*"[Title/Abstract]	61
#19	"exercise remedial"[Title/Abstract]	1
#20	"therapy exercis*"[Title/Abstract]	562
#21	"rehabilitation exercis*"[Title/Abstract]	1,257
#22	"exercise rehabilitation*"[Title/Abstract]	845
#23	"exercises rehabilitation*"[Title/Abstract]	13
#24	"therapies exercis*"[Title/Abstract]	34
#25	"exercise therap*"[Title/Abstract]	5,532
#26	"Exercise"[MeSH Terms]	220,244
#27	"physical activit*"[Title/Abstract]	130,334
#28	"activities physical"[Title/Abstract]	219
#29	"activity physical"[Title/Abstract]	911
#30	"training"[Title/Abstract]	468,398
#31	"exercis*"[Title/Abstract]	327,788
#32	"Occupational Therapy"[MeSH Terms]	13,945
#33	"occupational therap*"[Title/Abstract]	16,145

#34	"therapies occupation*" [Title/Abstract]	4
#35	"therapy occupation*" [Title/Abstract]	292
#36	"Early Ambulation" [MeSH Terms]	3,091
#37	"ambulation*" [Title/Abstract]	12,367
#38	"mobilisat*" [Title/Abstract]	6,301
#39	"mobilizat*" [Title/Abstract]	55,345
#40	"mobilit*" [Title/Abstract]	161,738
#41	"pregait" [Title/Abstract]	13
#42	"pre-gait" [Title/Abstract]	8
#43	"walk*" [Title/Abstract]	130,837
#44	"rehabilitation*" [Title/Abstract]	185,908
#45	#10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44	1,439,641
#46	"protocol*" [Title/Abstract]	501,157
#47	"program*" [Title/Abstract]	974,369
#48	"goal direct*" [Title/Abstract]	9,791
#49	"strateg*" [Title/Abstract]	1,267,181
#50	"standard*" [Title/Abstract]	1,394,840
#51	"struct*" [Title/Abstract]	2,444,463
#52	"target*" [Title/Abstract]	1,730,927
#53	"algorithm*" [Title/Abstract]	293,674
#54	"pathway*" [Title/Abstract]	1,248,018
#55	"activ*" [Title/Abstract]	5,154,761
#56	"propos*" [Title/Abstract]	1,182,308
#57	"intensi*" [Title/Abstract]	791,801
#58	"aggressive*" [Title/Abstract]	204,028
#59	"multifacet*" [Title/Abstract]	28,134
#60	#46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59	12,060,083
#61	(randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh]))	1,303,292
#62	#9 AND #45 AND #60 AND #61	1,392

CENTRAL search strategy (検索日 2021 年 11 月 1 日)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3,887
#2	("intensive care"):ti,ab,kw	25,612
#3	("intensive care unit"):ti,ab,kw	17,391
#4	("intensive care units"):ti,ab,kw	6,537
#5	(icu):ti,ab,kw	14,445
#6	MeSH descriptor: [Critical Illness] explode all trees	2,483

#7	("critical ill"):ti, ab, kw	98
#8	("critical illness"):ti, ab, kw	3, 825
#9	("critical illnesses"):ti, ab, kw	38
#10	("critically ill"):ti, ab, kw	7, 467
#11	("critically illness"):ti, ab, kw	2
#12	("critically illnesses"):ti, ab, kw	2
#13	MeSH descriptor: [Critical Care] explode all trees	2, 163
#14	("critical care"):ti, ab, kw	4, 231
#15	#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	36, 586
#16	MeSH descriptor: [Physical Therapy Modalities] explode all trees	28, 018
#17	("physical therapy"):ti, ab, kw	10, 469
#18	("physical therapies"):ti, ab, kw	150
#19	(physiotherap*):ti, ab, kw	17, 681
#20	("therapy physical"):ti, ab, kw	844
#21	("therapies physical"):ti, ab, kw	14
#22	("modalities physical therapy"):ti, ab, kw	2
#23	("modalities physical therapies"):ti, ab, kw	0
#24	(neurophysiotherap*):ti, ab, kw	11
#25	MeSH descriptor: [Exercise Therapy] explode all trees	15, 285
#26	("remedial exercises"):ti, ab, kw	12
#27	("therapy exercises"):ti, ab, kw	125
#28	("rehabilitation exercises"):ti, ab, kw	252
#29	("exercises rehabilitation"):ti, ab, kw	26
#30	("exercises rehabilitations"):ti, ab, kw	0
#31	("therapies exercises"):ti, ab, kw	0
#32	MeSH descriptor: [Exercise] explode all trees	26, 876
#33	("physical activity"):ti, ab, kw	34, 851
#34	("physical activities"):ti, ab, kw	1, 497
#35	("activities physical"):ti, ab, kw	68
#36	("activity physical"):ti, ab, kw	1, 298
#37	(training):ti, ab, kw	100, 506
#38	(exercise):ti, ab, kw	105, 236
#39	MeSH descriptor: [Occupational Therapy] explode all trees	803
#40	("occupational therapy"):ti, ab, kw	2, 844
#41	("occupational therapies"):ti, ab, kw	16
#42	("therapies occupation"):ti, ab, kw	0
#43	("therapies occupations"):ti, ab, kw	0
#44	("therapy occupation"):ti, ab, kw	13
#45	("therapy occupations"):ti, ab, kw	1
#46	MeSH descriptor: [Early Ambulation] explode all trees	397
#47	(ambulation*):ti, ab, kw	3, 713
#48	(mobilisat*):ti, ab, kw	1, 571
#49	(mobilizat*):ti, ab, kw	7, 724

#50	(mobilit*):ti,ab,kw	12,875
#51	(pregait):ti,ab,kw	6
#52	(pre-gait):ti,ab,kw	5
#53	(walk):ti,ab,kw	15,284
#54	(rehabilitation*):ti,ab,kw	54,164
#55	#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54	248,708
#56	(protocol*):ti,ab,kw	131,072
#57	(program*):ti,ab,kw	135,342
#58	(goal-directed*):ti,ab,kw	1,548
#59	(strategy):ti,ab,kw	40,739
#60	(strategic):ti,ab,kw	1,257
#61	(standardized):ti,ab,kw	38,511
#62	(structured):ti,ab,kw	19,601
#63	(targeted):ti,ab,kw	22,358
#64	(algorithm*):ti,ab,kw	14,638
#65	(pathway*):ti,ab,kw	20,810
#66	(activ*):ti,ab,kw	297,160
#67	(proposed):ti,ab,kw	48,917
#68	(intensified):ti,ab,kw	2,609
#69	(aggressive*):ti,ab,kw	9,121
#70	(multifaceted):ti,ab,kw	2,257
#71	#56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70	597,152
#72	#15 AND #55 AND #71	1,996
		Trials:1,956

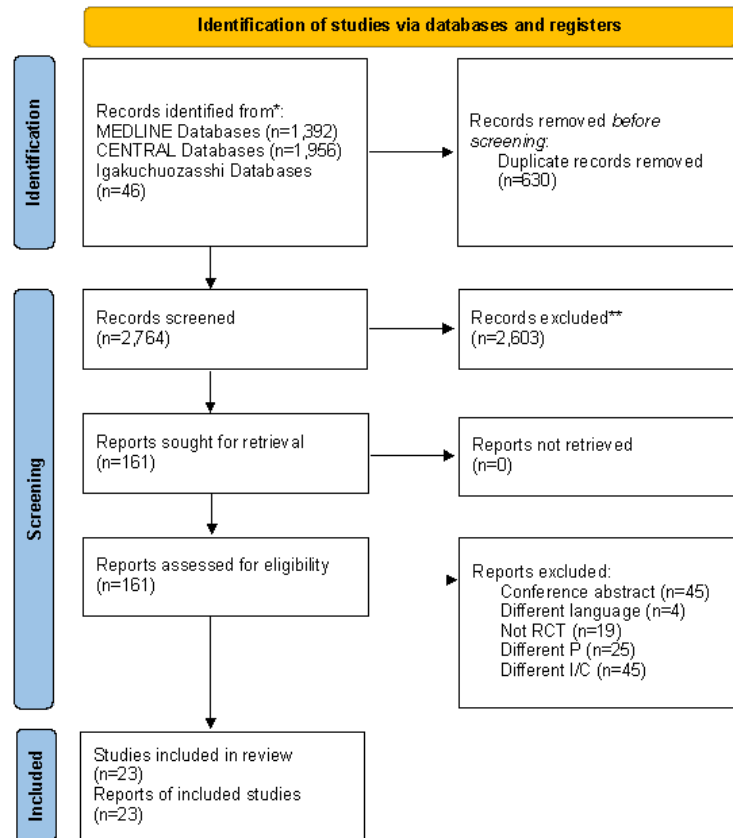
医中誌 search strategy (検索日 2021 年 11 月 1 日)

#1	(ICU/TH or ICU/TA) and (PT=会議録除く)	51,885
#2	(集中治療室/TA) and (PT=会議録除く)	4,201
#3	(集中治療/TA) and (PT=会議録除く)	11,436
#4	(危篤/TH or 危篤/TA) and (PT=会議録除く)	194
#5	(重症患者/TA) and (PT=会議録除く)	3,542
#6	(クリティカルケア/TH or クリティカルケア/TA) and (PT=会議録除く)	6,958
#7	#1 or #2 or #3 or #4 or #5 or #6	63,977
#8	(理学療法/TH or 理学療法/TA) and (PT=会議録除く)	87,205
#9	(運動療法/TH or 運動療法/TA) and (PT=会議録除く)	44,872
#10	(身体運動/TH or 身体運動/TA) and (PT=会議録除く)	36,330
#11	(運動活性/TH or 身体活動/TA) and (PT=会議録除く)	42,560
#12	(トレーニング/TA) and (PT=会議録除く)	15,741
#13	(訓練/TA) and (PT=会議録除く)	26,949
#14	(運動/TA) and (PT=会議録除く)	147,477

#15	(作業療法/TH or 作業療法/TA) and (PT=会議録除く)	15,763
#16	(早期離床/TH or 早期離床/TA) and (PT=会議録除く)	4,425
#17	(歩行/TH or 歩行/TA) and (PT=会議録除く)	50,674
#18	(モビライゼーション/TH or モビライゼーション/TA) and (PT=会議録除く)	351
#19	(リハビリテーション/TH or リハビリテーション/TA) and (PT=会議録除く)	197,328
#20	#8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19	381,967
#21	(プロトコル/TA) and (PT=会議録除く)	2,661
#22	(プロトコール/TA) and (PT=会議録除く)	5,480
#23	(プログラム/TA) and (PT=会議録除く)	28,393
#24	(計画/TA) and (PT=会議録除く)	35,243
#25	(戦略/TA) and (PT=会議録除く)	37,717
#26	(標準/TA) and (PT=会議録除く)	53,423
#27	(アルゴリズム/TH or アルゴリズム/TA) and (PT=会議録除く)	25,111
#28	(クリティカルパス/TH or パス/TA) and (PT=会議録除く)	32,636
#29	(段階的患者管理/TH or 段階的患者管理/TA) and (PT=会議録除く)	280
#30	(段階的/TA) and (PT=会議録除く)	5,417
#31	#21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30	213,818
#32	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	333,486
#33	#7 and #20 and #31 and #32	46

2. PRISMA flow diagram

PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only



*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers).

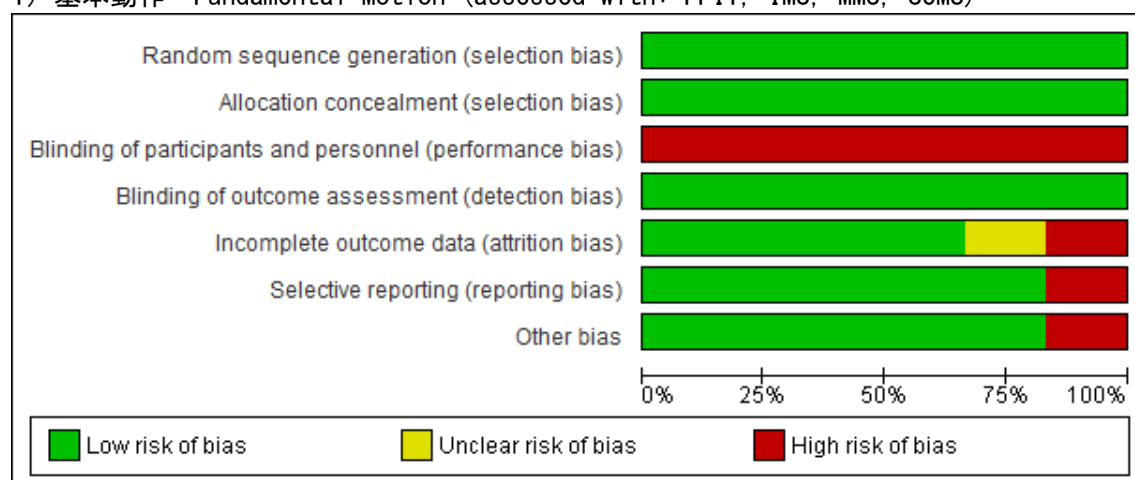
**If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71. doi: 10.1136/bmj.n71

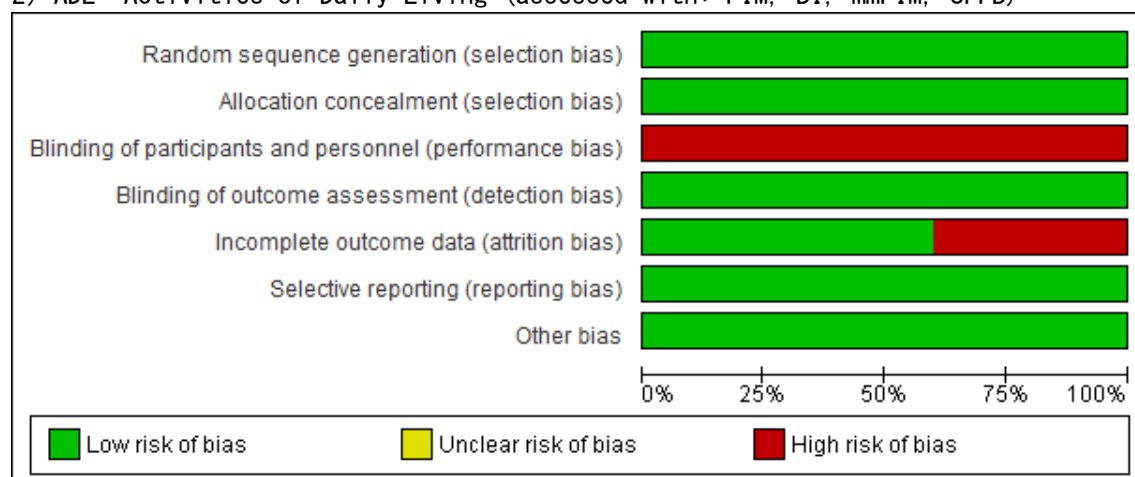
For more information, visit: <http://www.prisma-statement.org/>

3. Risk of bias graph

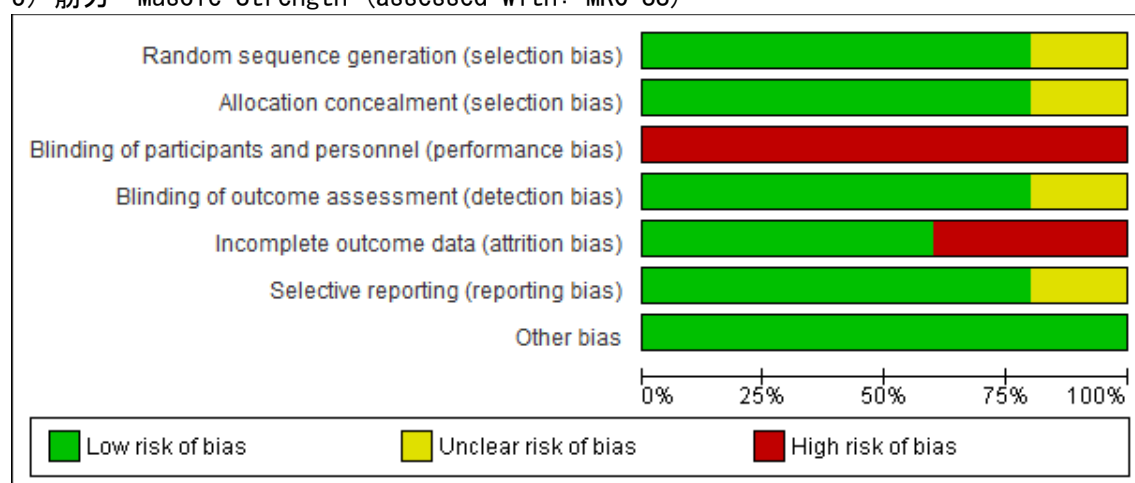
1) 基本動作 Fundamental Motion (assessed with: PFIT, IMS, MMS, SOMS)



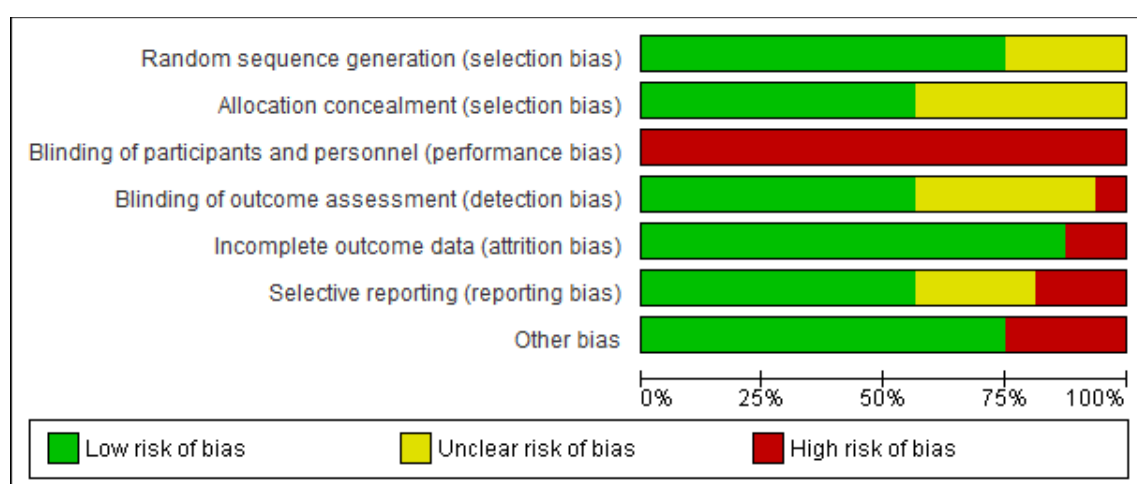
2) ADL Activities of Daily Living (assessed with: FIM, BI, mmFIM, SPPB)



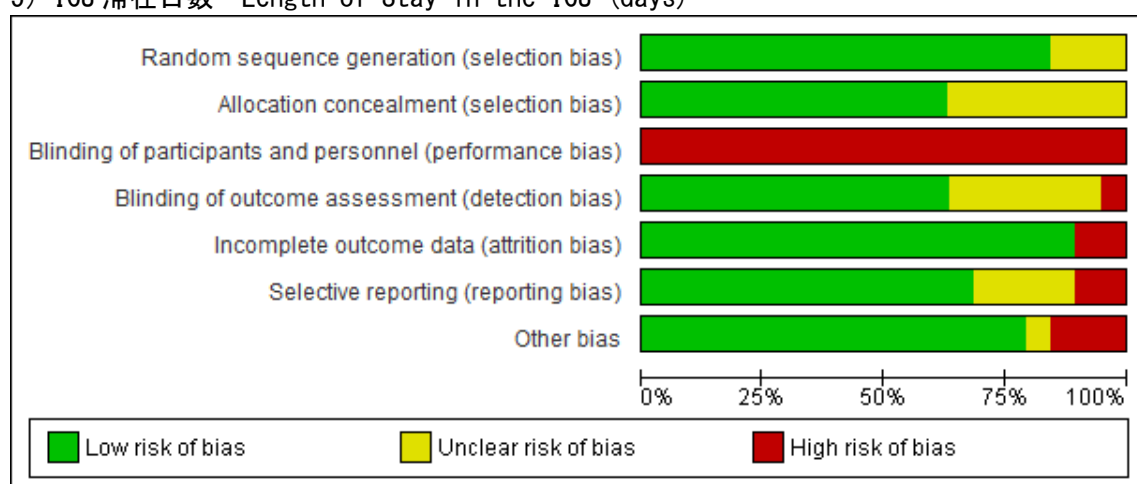
3) 筋力 Muscle Strength (assessed with: MRC-SS)



4) 人工呼吸期間 Duration of Mechanical Ventilation (days)

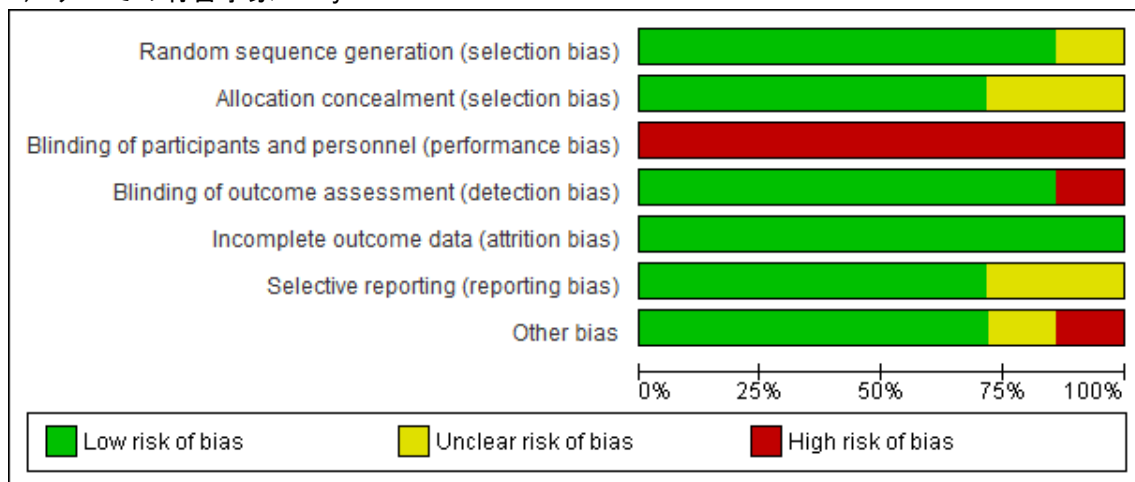


5) ICU 滞在日数 Length of Stay in the ICU (days)



6) ICU 滞在中のせん妄発生率 Incidence of Delirium in the ICU
アウトカムなし

7) すべての有害事象 Any Adverse Event



4. Risk of bias summary

1) 基本動作

	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
Denehy 2013, PFIT							
Hodgson 2016, PFIT							
Kayambu 2015, PFIT							
McWilliams 2018, MMS							
Schaller 2016, SOMS							
Schujmann 2019, IMS							

2) ADL

	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
Eggmann 2018, FIM							
McWilliams 2018, BI							
Morris 2016, SPPB							
Schaller 2016, mmFIM							
Schweickert 2009, BI							

3) 筋力

	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
Dantas 2012	?	?	-	?	-	?	+
Eggmann 2018	+	+	-	+	+	+	+
Hodgson 2016	+	+	-	+	+	+	+
Kayambu 2015	+	+	-	+	+	+	+
McWilliams 2018	+	+	-	+	-	+	+

4) 人工呼吸期間

	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
Denehy 2013	+	+	-	+	+	+	+
Dong 2014	?	?	-	?	+	?	+
Dong 2015	+	?	-	?	+	?	+
Dong 2021	+	?	-	?	+	-	+
Eggmann 2018	+	+	-	+	+	+	+
Hayes 2020	+	+	-	?	+	-	-
Hodgson 2016	+	+	-	+	+	+	+
Kayambu 2015	+	+	-	+	+	+	+
Maffei 2017	+	?	-	-	+	+	+
McWilliams 2018	+	+	-	+	+	+	+
Pang 2019	?	?	-	+	+	?	+
Pinkaew 2020	?	?	-	?	+	?	-
Schujmann 2019	+	+	-	+	-	+	-
Schweickert 2009	+	+	-	+	+	+	+
Shirvani 2020	?	?	-	?	+	-	-
Windmüller 2020	+	+	-	+	-	+	+

5) 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
Brummel 2014	+	+	-	+	+	+	+
Denehy 2013	+	+	-	+	+	+	+
Dong 2014	?	?	-	?	+	?	+
Dong 2015	+	?	-	?	+	?	+
Dong 2021	+	?	-	?	+	-	+
Eggmann 2018	+	+	-	+	+	+	+
Hayes 2020	+	+	-	?	+	+	-
Hodgson 2016	+	+	-	+	+	+	+
Kayambu 2015	+	+	-	+	+	+	+
Maffei 2017	+	?	-	-	+	+	+
McWilliams 2018	+	+	-	+	+	+	+
Morris 2016	+	+	-	+	+	+	+
Pang 2019	?	?	-	+	+	?	+
Schaller 2016	+	+	-	+	+	+	+
Schujmann 2019	+	+	-	+	-	+	-
Schweickert 2009	+	+	-	+	+	+	+
Shirvani 2020	?	?	-	?	+	-	-
Tariq 2017	+	?	-	?	+	?	?
Windmüller 2020	+	+	-	+	-	+	+

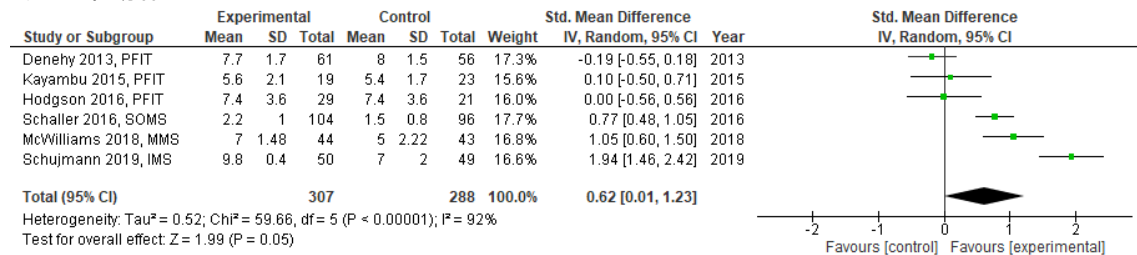
6) ICU 滞在中のせん妄発生率
アウトカムなし

7) すべての有害事象

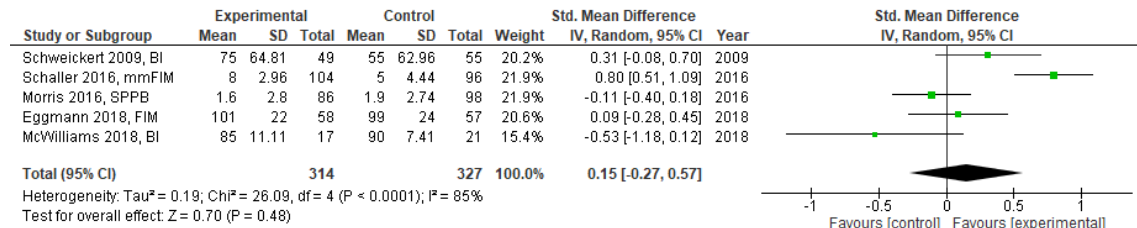
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Eggmann 2018	+	+	-	+	+	+	+
Hayes 2020	+	+	-	+	+	+	-
Hodgson 2016	+	+	-	+	+	+	+
Morris 2016	+	+	-	+	+	+	+
Nydahl 2020	+	?	-	-	+	?	?
Pang 2019	?	?	-	+	+	?	+
Schaller 2016	+	+	-	+	+	+	+

5. Forest plot

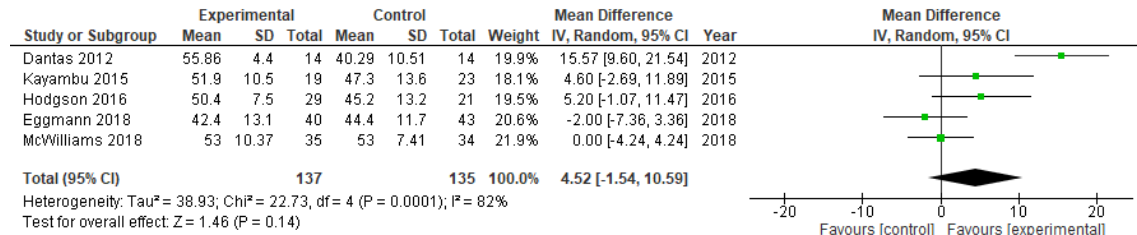
1) 基本動作



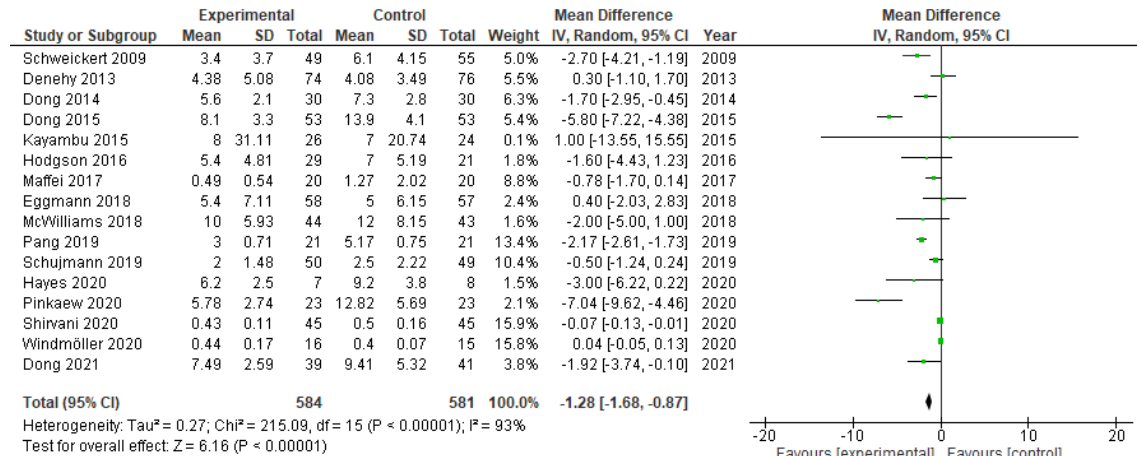
2) ADL



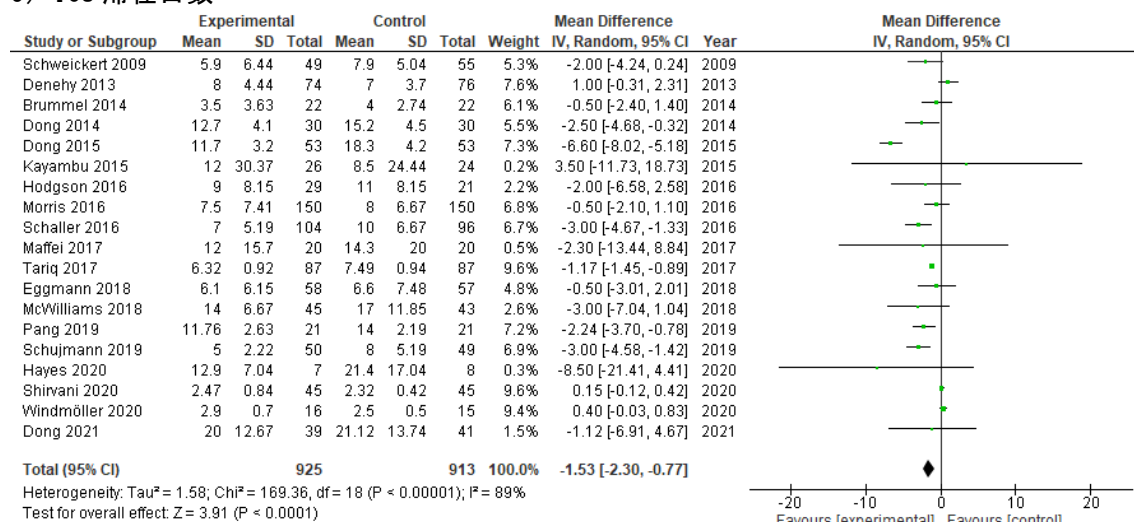
3) 筋力



4) 人工呼吸期間

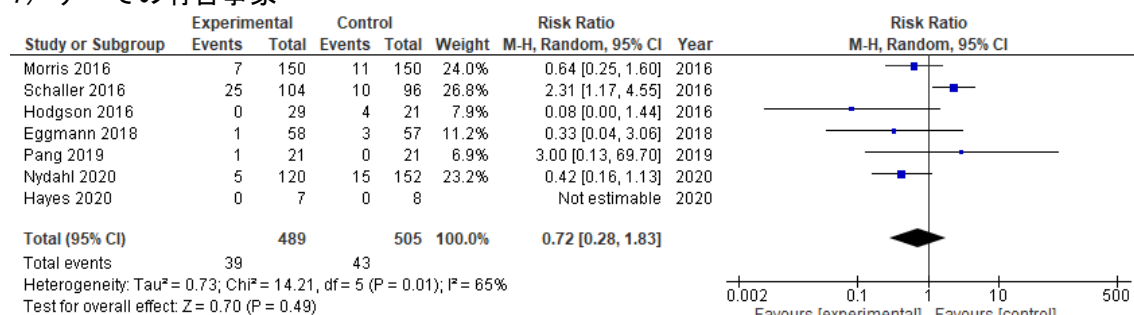


5) ICU 滞在日数



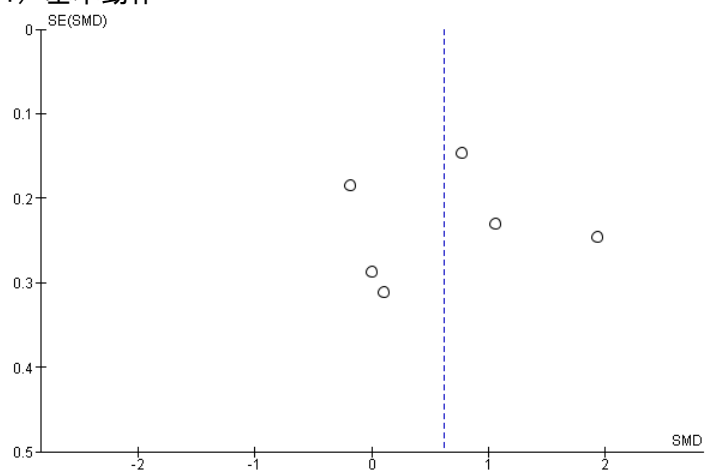
6) ICU 滞在中のせん妄発生率 アウトカムなし

7) すべての有害事象

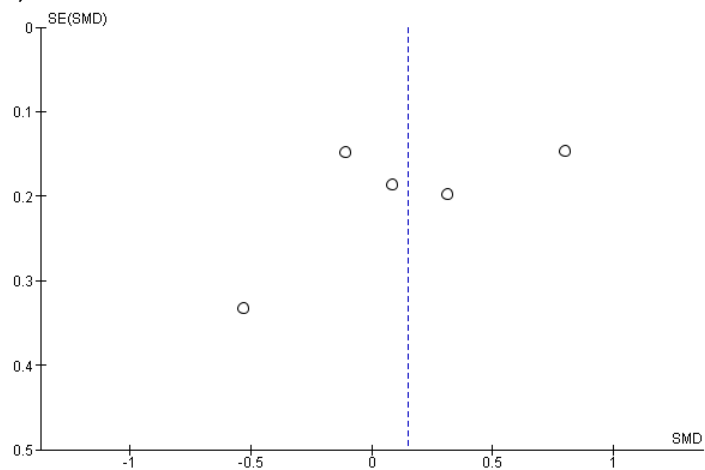


6. Funnel plot

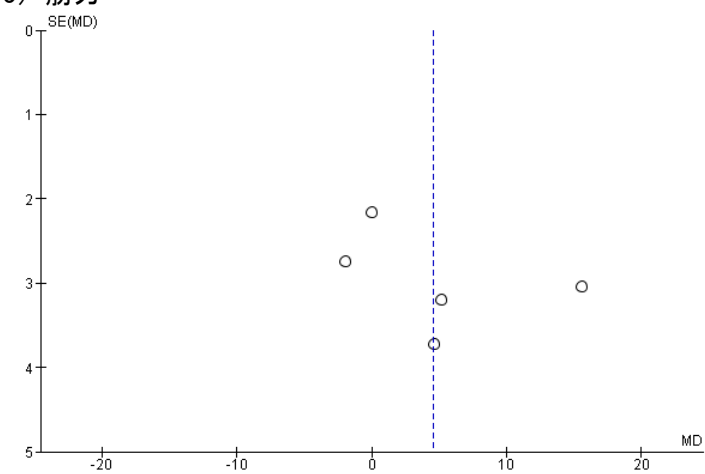
1) 基本動作



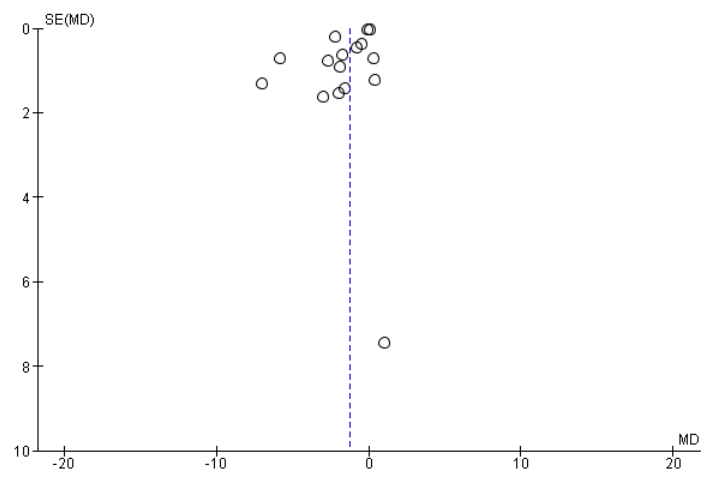
2) ADL



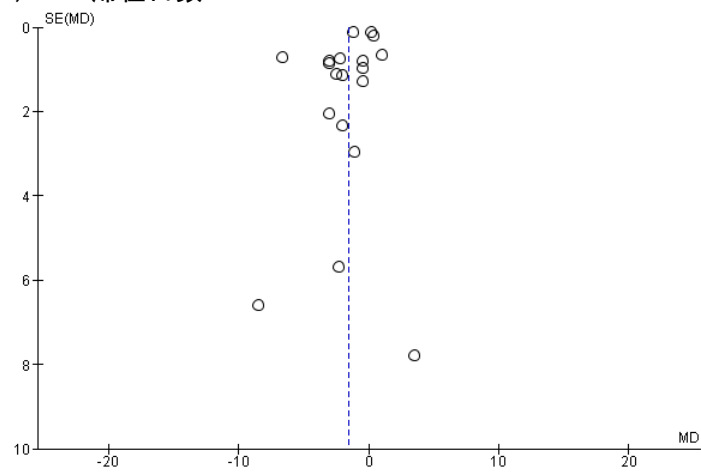
3) 筋力



4) 人工呼吸期間

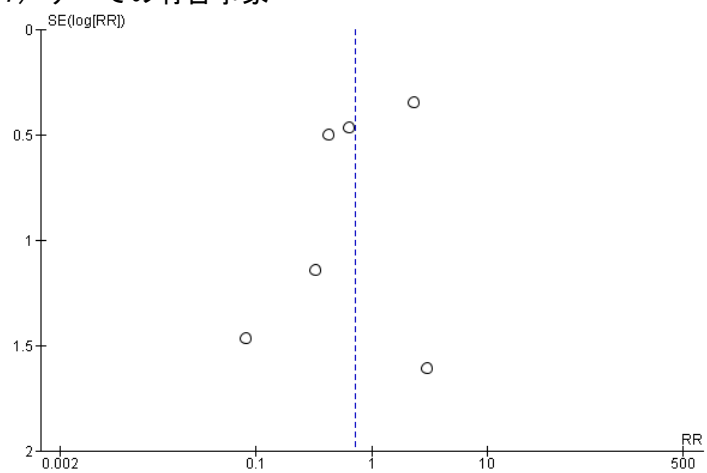


5) ICU 滞在日数



6) ICU 滞在中のせん妄発生率 アウトカムなし

7) すべての有害事象



CQ2 重症患者に対して1日に複数回のリハビリテーションを行うか？

1. Search methods

検索データベース

- ☒ MEDLINE (PubMed)
- ☒ CENTRAL
- ☒ 医中誌
- ☐ その他 ()

検索式とヒット数

PubMed search strategy (検索日 2021 年 10 月 29 日)

#1	"Critical Care*" [tiab]	36,399
#2	"Care, Critical" [tiab]	258
#3	"Intensive Care*" [tiab]	166,745
#4	"Care, Intensive" [tiab]	356
#5	"Surgical Intensive Care" [tiab]	4,668
#6	"Care, Surgical Intensive" [tiab]	14
#7	"Intensive Care, Surgical" [tiab]	33
#8	"ICU Intensive Care Units" [tiab]	12
#9	"Unit, Intensive Care" [tiab]	63
#10	"Intensive care units" [mh]	95,068
#11	"critical illness" [mh]	33,890
#12	ICU [tiab]	68,388
#13	"critical ill*" [tiab]	12,022
#14	"critically ill*" [tiab]	51,638
#15	"Septic Shock" [tiab]	24,737
#16	#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	290,307
#17	rehabilitation [mh]	328,578
#18	rehabilitat* [tiab]	194,321
#19	"Physical Therapy Modalities" [mh]	165,527
#20	"physical therap*" [tiab]	28,493
#21	physiotherap* [tiab]	29,590
#22	"physical therapy procedure" [tiab]	7
#23	exercise [mh]	219,860
#24	"Exercise Therap*" [tiab]	5,531
#25	"Endurance Training*" [tiab]	5,053
#26	ambulation* [tiab]	12,361
#27	"Occupational Therap*" [tiab]	16,140
#28	mobil* [tiab]	354,289
#29	Early Ambulation [mh]	3,091
#30	"Accelerated Ambulation" [tiab]	10
#31	"Ambulation, Early" [tiab]	34
#32	"Early Mobilization" [tiab]	3,254
#33	enhanced [tiab]	873,584
#34	#17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or	1,857,478

	#32 or #33	
#35	"twice daily"[tiab]	47,275
#36	"twice a day"[tiab]	13,341
#37	"per day"[tiab]	84,415
#38	"Many times"[tiab]	4,962
#39	"More than once"[tiab]	3,743
#40	"Several times"[tiab]	12,020
#41	Frequen*[tiab]	1,839,999
#42	twice[tiab]	193,936
#43	"three times"[tiab]	68,337
#44	#35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43	2,151,829
#45	"randomized controlled trial"[pt]	549,675
#46	"controlled clinical trial"[pt]	639,284
#47	randomized[tiab]	585,742
#48	placebo[tiab]	228,927
#49	"drug therapy"[sh]	2,393,828
#50	randomly[tiab]	369,438
#51	trial[tiab]	676,478
#52	groups[tiab]	2,295,689
#53	animals[mh] NOT humans[mh]	4,906,016
#54	(#45 or #46 or #47 or #48 or #49 or #50 or #51 or #52) not #53	4,556,930
#55	(#16 and #34 and #44) and #54	522

CENTRAL search strategy (検索日 2021 年 10 月 27 日)

#1	("critical care"):ti,ab,kw	4200
#2	("Care, Critical"):ti,ab,kw	21
#3	("intensive care"):ti,ab,kw	25378
#4	("care, intensive"):ti,ab,kw	269
#5	("Surgical Intensive Care"):ti,ab,kw	774
#6	("care surgical intensive"):ti,ab,kw	1
#7	("intensive care surgical"):ti,ab,kw	9
#8	("ICU Intensive Care Units"):ti,ab,kw	2
#9	("unit intensive care"):ti,ab,kw	23
#10	("ICU"):ti,ab,kw	14244
#11	(critical ill*):ti,ab,kw	6222
#12	(critically ill*):ti,ab,kw	7559
#13	("Septic Shock"):ti,ab,kw	3165
#14	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#15	MeSH descriptor: [Critical Illness] explode all trees	2466
#16	#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	39173
#17	MeSH descriptor: [Rehabilitation] explode all trees	38509
#18	MeSH descriptor: [Physical Therapy Modalities]	27816

	explode all trees	
#19	MeSH descriptor: [Exercise] explode all trees	26655
#20	MeSH descriptor: [Early Ambulation] explode all trees	397
#21	(rehabilitat*):ti, ab, kw	54621
#22	("physical therapy"):ti, ab, kw	10394
#23	("physical therapies"):ti, ab, kw	149
#24	("physical therapy procedure"):ti, ab, kw	2
#25	(physiotherap*):ti, ab, kw	17502
#26	("exercise Therapy"):ti, ab, kw	13250
#27	("exercise therapies"):ti, ab, kw	91
#28	(Endurance Training*):ti, ab, kw	6503
#29	(ambulation*):ti, ab, kw	3675
#30	("occupational therapy"):ti, ab, kw	2819
#31	("occupational therapies"):ti, ab, kw	16
#32	(mobil*):ti, ab, kw	32884
#33	("Accelerated Ambulation"):ti, ab, kw	2
#34	("Ambulation, Early"):ti, ab, kw	9
#35	("Early Mobilization"):ti, ab, kw	1118
#36	(enhanced):ti, ab, kw	30841
#37	#17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36	167402
#38	("twice daily"):ti, ab, kw	35210
#39	("twice a day"):ti, ab, kw	10600
#40	("per day"):ti, ab, kw	29181
#41	("Many times"):ti, ab, kw	320
#42	("More than once"):ti, ab, kw	426
#43	("Several times"):ti, ab, kw	715
#44	(Frequen*):ti, ab, kw	145766
#45	(twice):ti, ab, kw	70097
#46	("three times"):ti, ab, kw	21570
#47	#38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46	245739
#48	#16 and #37 and #47	729 (Trials 709)

医中誌 search strategy (検索日 2021 年 10 月 29 日)

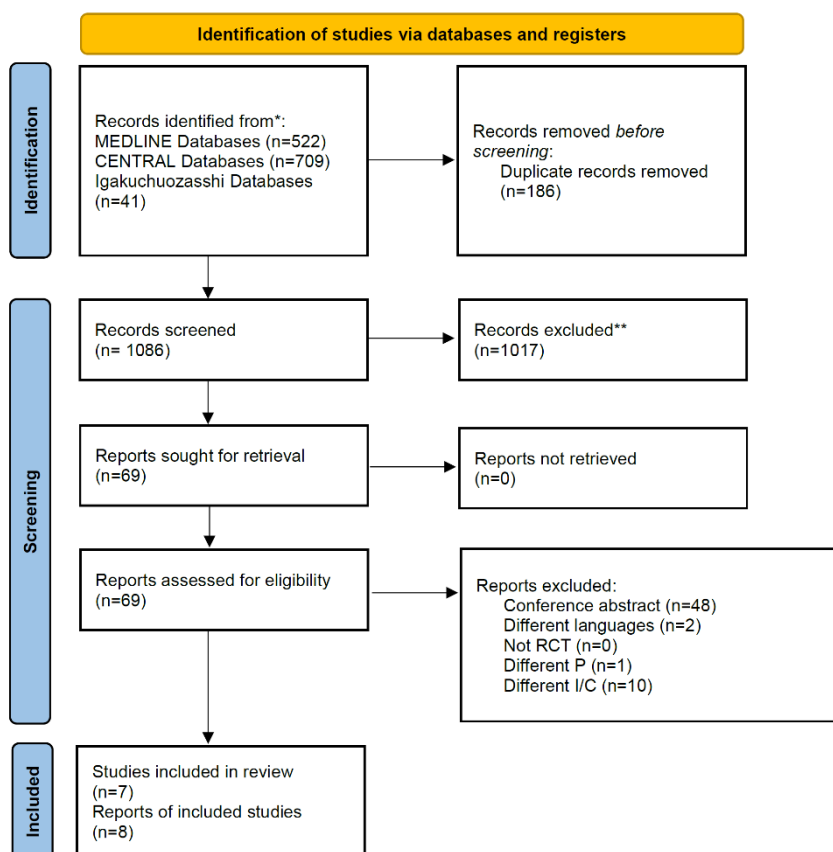
#1	((CCU/TH or CCU/TA)) and (PT=会議録除く)	22, 477
#2	((ICU/TH or ICU/TA)) and (PT=会議録除く)	51, 885
#3	((クリティカルケア/TH or クリティカルケア/TA)) and (PT=会議録除く)	6, 958
#4	((RCU/TH or RCU/TA)) and (PT=会議録除く)	12, 650
#5	((ICU 看護/TH or ICU 看護/TA)) and (PT=会議録除く)	5, 746
#6	((クリティカルケア看護/TH or クリティカルケア看護/TA)) and (PT=会議録除く)	7, 818
#7	((集中治療医/TH or 集中治療医/TA)) and (PT=会議録除く)	672

#8	((ICU 症候群/TH or ICU 症候群/TA)) and (PT=会議録除く)	567
#9	((脳卒中/TH or Stroke/TA) and ("Calcium-Responsive Element"/TH or Care/TA) and Unit/TA) and (PT=会議録除く)	111
#10	((多発ニューロパチー/TH or 多発ニューロパチー/TA)) and (PT=会議録除く)	7,099
#11	((危篤/TH or 危篤/TA)) and (PT=会議録除く)	194
#12	((ショック-敗血症性/TH or ショック-敗血症性/TA)) and (PT=会議録除く)	5,774
#13	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12)	103,410
#14	(運動療法/TH or 運動療法/TA) and (PT=会議録除く)	44,872
#15	(リハビリテーション/TH or リハビリテーション/TA) and (PT=会議録除く)	197,328
#16	(リハビリテーション看護/TH or リハビリテーション看護/TA) and (PT=会議録除く)	6,214
#17	(心臓リハビリテーション/TH or 心臓リハビリテーション/TA) and (PT=会議録除く)	3,986
#18	(神経学的リハビリテーション/TH or 神経学的リハビリテーション/TA) and (PT=会議録除く)	2,583
#19	(脳卒中リハビリテーション/TH or 脳卒中リハビリテーション/TA) and (PT=会議録除く)	2,797
#20	(理学療法/TH or 理学療法/TA) and (PT=会議録除く)	87,205
#21	(呼吸訓練/TH or 呼吸訓練/TA) and (PT=会議録除く)	2,096
#22	(自動運動療法/TH or 自動運動療法/TA) and (PT=会議録除く)	952
#23	(身体運動/TH or 身体運動/TA) and (PT=会議録除く)	36,330
#24	(運動耐性/TH or 運動耐性/TA) and (PT=会議録除く)	1,986
#25	(筋力増強訓練/TH or 筋力増強訓練/TA) and (PT=会議録除く)	8,686
#26	(身体運動技術/TH or 身体運動技術/TA) and (PT=会議録除く)	8,064
#27	(他動運動療法/TH or 他動運動療法/TA) and (PT=会議録除く)	1,235
#28	(ストレッチング/TH or ストレッチング/TA) and (PT=会議録除く)	4,118
#29	(レジスタンストレーニング/TH or レジスタンストレーニング/TA) and (PT=会議録除く)	2,620
#30	(高強度インターバルトレーニング/TH or 高強度インターバルトレーニング/TA) and (PT=会議録除く)	68
#31	(荷重トレーニング/TH or 荷重トレーニング/TA) and (PT=会議録除く)	648
#32	(自動介助運動/TH or 自動介助運動/TA) and (PT=会議録除く)	121
#33	(早期離床/TH or 早期離床/TA) and (PT=会議録除く)	4,425
#34	(呼吸理学療法/TH or 呼吸理学療法/TA) and (PT=会議録除く)	7,376
#35	((“理学療法(専門業務)"/TH or “理学療法(専門業務)"/TA)) and (PT=会議録除く)	66
#36	((持久性訓練/TH or 持久性訓練/TA)) and (PT=会議録除く)	44
#37	((作業療法/TH or 作業療法/TA)) and (PT=会議録除く)	15,763
#38	#14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37	233,557

#39	(頻度/TA) and (PT=会議録除く)	95,476
#40	(数回/TA) and (PT=会議録除く)	8,277
#41	(複数回/TA) and (PT=会議録除く)	4,474
#42	(回数/TA) and (PT=会議録除く)	22,552
#43	(2回/TA) and (PT=会議録除く)	50,129
#44	(3回/TA) and (PT=会議録除く)	34,858
#45	(何度/TA) and (PT=会議録除く)	1,228
#46	(1日あたり/TA) and (PT=会議録除く)	898
#47	#39 or #40 or #41 or #42 or #43 or #44 or #45 or #46	196,735
#48	ランダム化比較試験/TH	54,490
#49	準ランダム化比較試験/TH	3,499
#50	ランダム化/AL	65,642
#51	無作為化/AL	8,331
#52	比較試験/AL	69,347
#53	臨床試験/AL	80,105
#54	プラセボ/AL	8,613
#55	対照/AL	78,420
#56	コントロール/AL	77,975
#57	臨床研究/AL	60,218
#58	#48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57	333,486
#59	#13 and #38 and #47 and #58	41

2. PRISMA flow diagram

PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only



*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers).

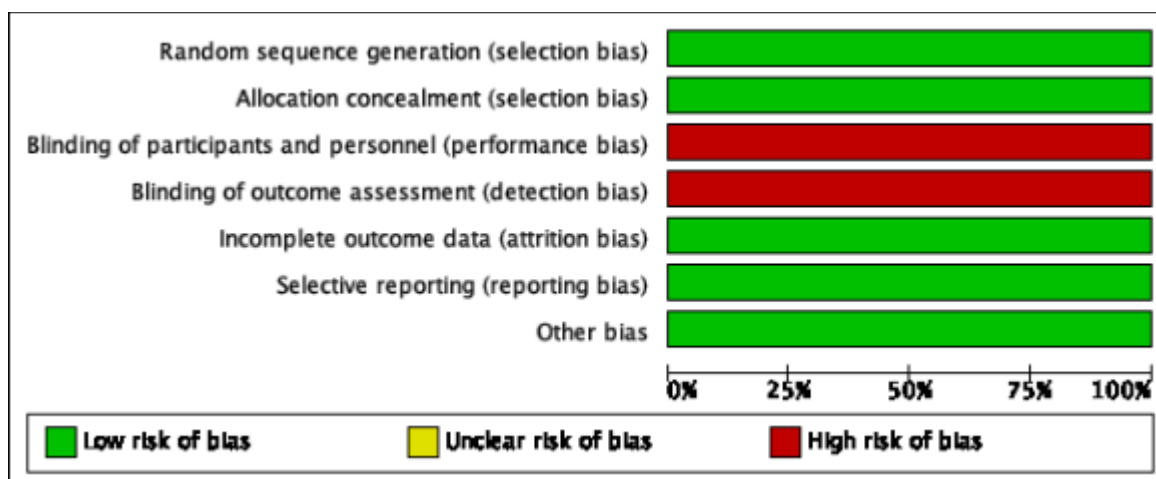
**If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71. doi: 10.1136/bmj.n71

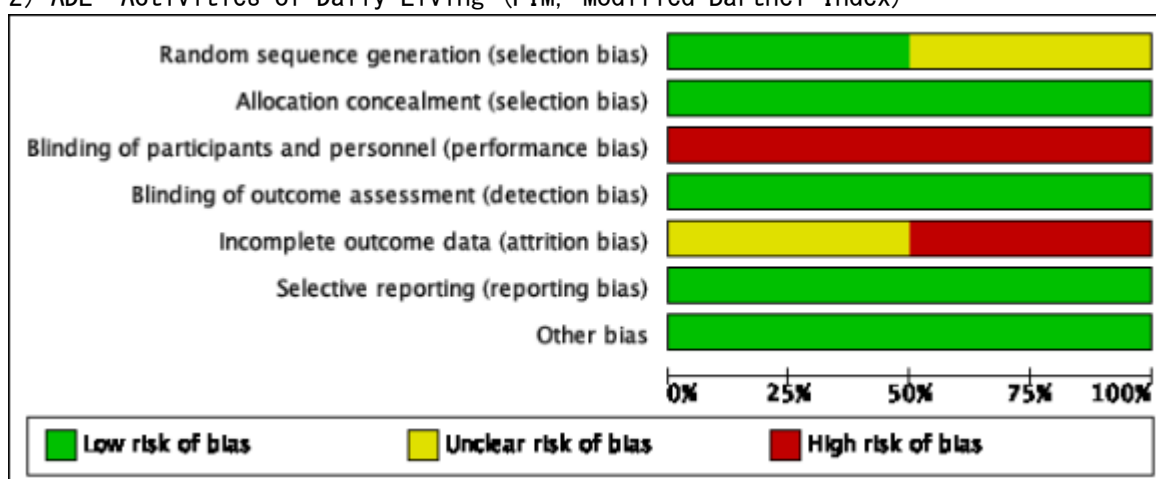
For more information, visit: <http://www.prisma-statement.org/>

3. Risk of bias graph

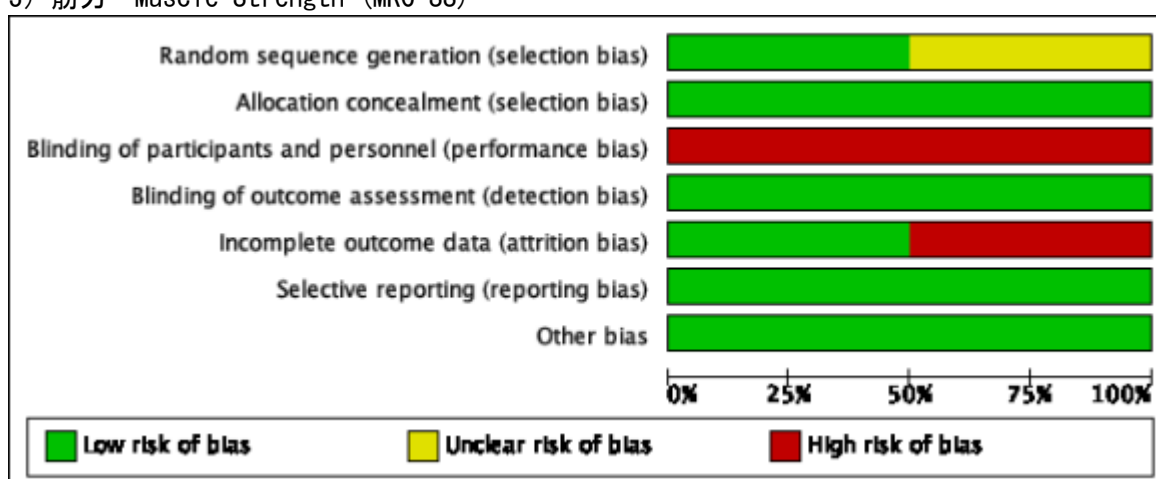
1) 基本動作 Fundamental Motion (Modified Rivermead Mobility Index)



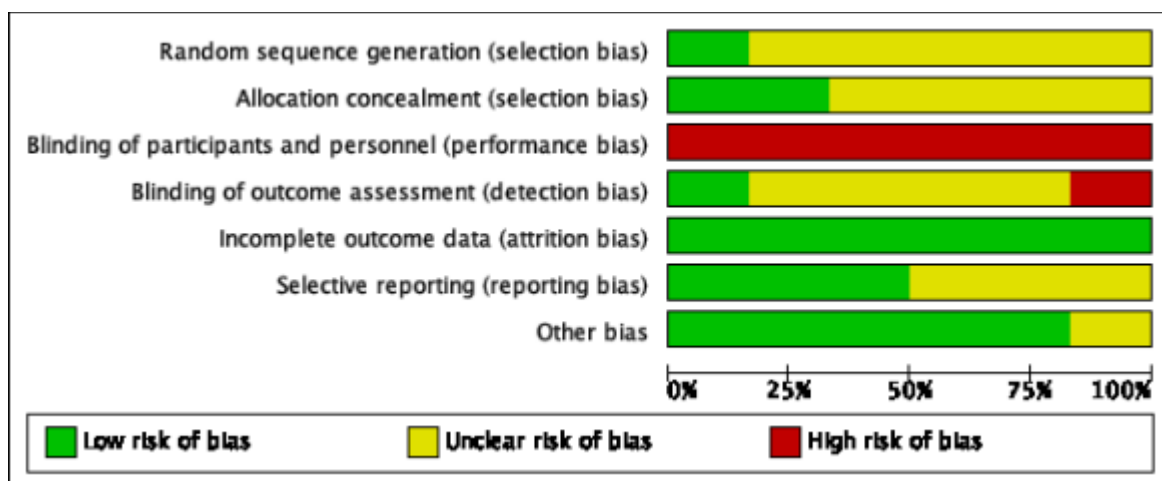
2) ADL Activities of Daily Living (FIM, Modified Barthel Index)



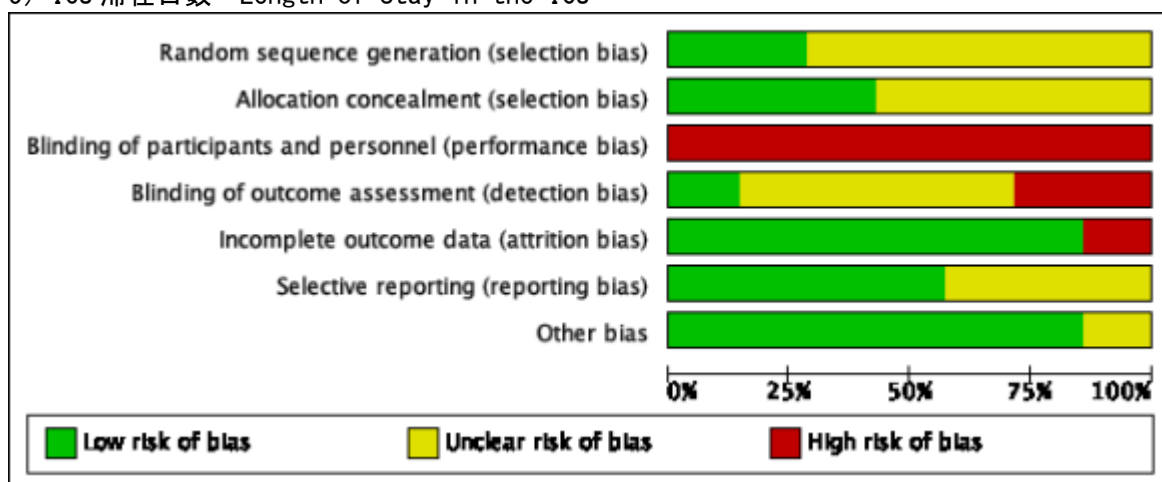
3) 筋力 Muscle Strength (MRC-SS)



4) 人工呼吸期間 Duration of Mechanical Ventilation

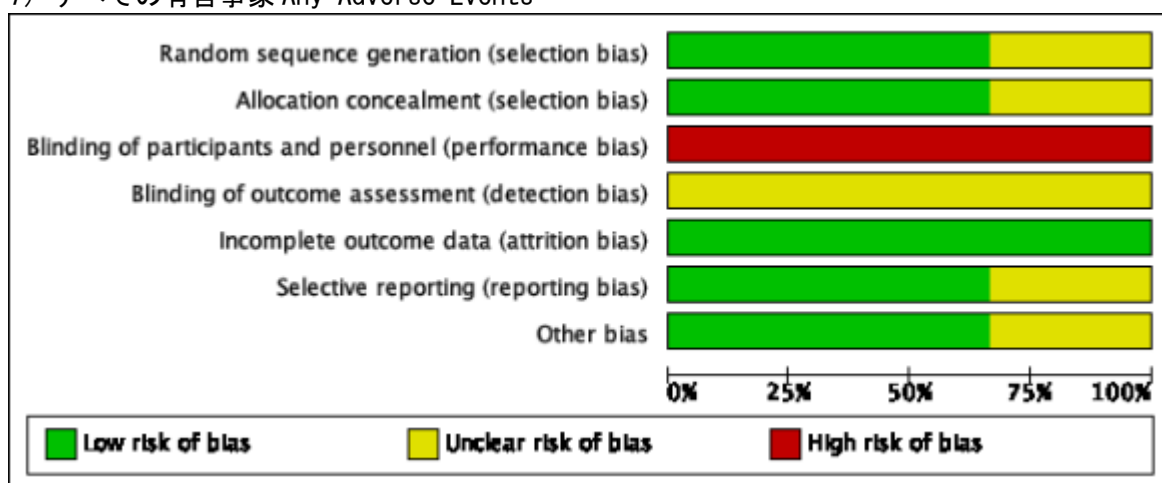


5) ICU 滞在日数 Length of Stay in the ICU



6) ICU 在室中のせん妄の出現率 Incidence of Delirium in the ICU アウトカムなし

7) すべての有害事象 Any Adverse Events



4. Risk of bias summary

1) 基本動作

	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	
Stephen 2018	+	+
	+	+
	-	-
	-	-
	+	+
	+	+
	+	+

2) ADL

	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		
Amundadottir 2019	?	+	+
	+	+	+
	-	-	-
	+	+	+
	-	-	-
	+	+	+
	+	+	+
Stephen 2018	+	+	+

3) 筋力

	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
Amundadottir 2019	?	+	-	+	-	+	+
Chris 2018	+	+	-	+	+	+	+

4) 人工呼吸期間

	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
Amundadottir 2019	?	+	-	-	+	+	+
Chris 2018	+	+	-	+	+	+	+
Dong 2014	?	?	-	?	+	?	?
Fahimeh 2020	?	?	-	?	+	?	+
Hickmann 2018	?	?	-	?	+	+	+
Orna 2013	?	?	-	?	+	?	+

5) 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
Amundadottir 2019	?	+	-	-	+	+	+
Chris 2018	+	+	-	+	+	+	+
Dong 2014	?	?	-	?	+	?	?
Fahimeh 2020	?	?	-	?	+	?	+
Hickmann 2018	?	?	-	?	+	+	+
Orna 2013	?	?	-	?	+	?	+
Stephen 2018	+	+	-	-	-	+	+

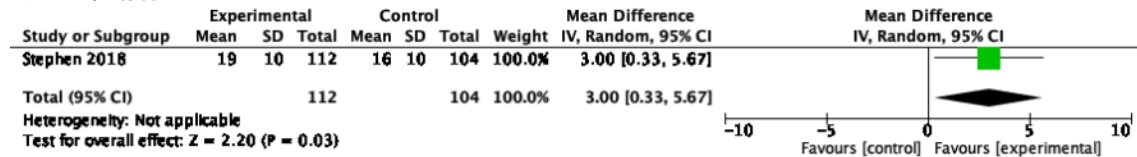
6) ICU 在室中のせん妄の出現率
アウトカムなし

7) すべての有害事象

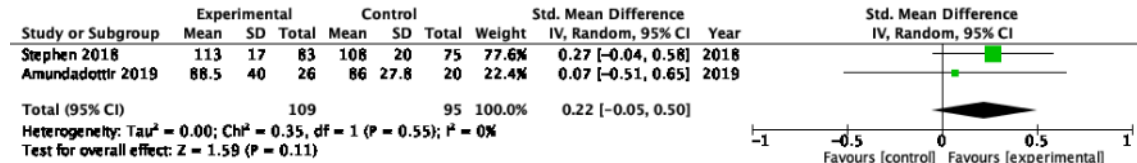
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Chris 2018	+	+	-	?	+	+	+
Dong 2014	?	?	-	?	+	?	?
Stephen 2018	+	+	-	?	+	+	+

5. Forest plot

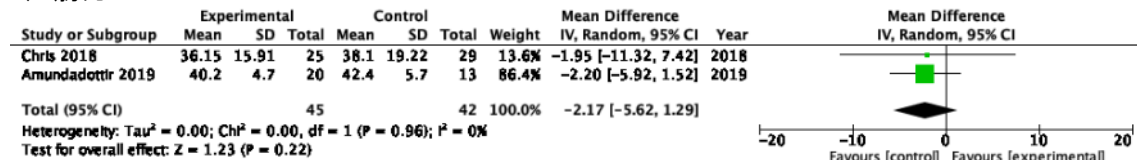
1) 基本動作



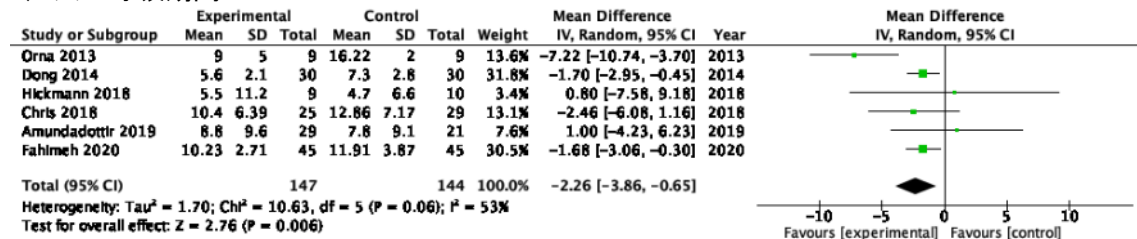
2) ADL



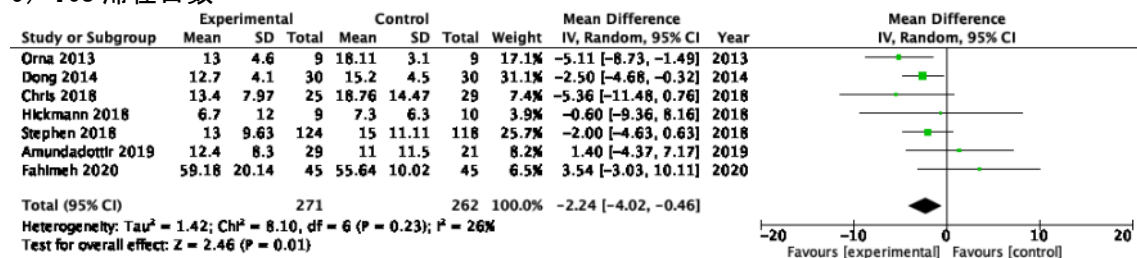
3) 筋力



4) 人工呼吸期間

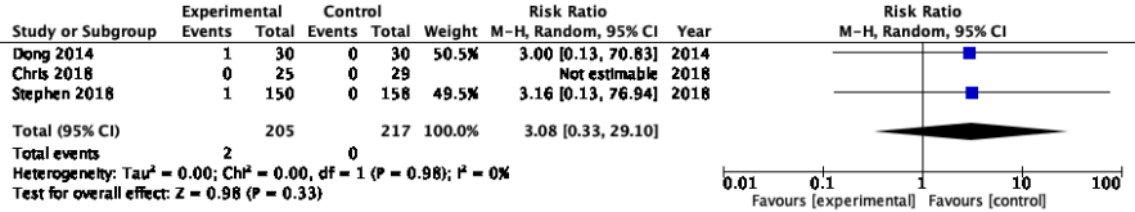


5) ICU 滞在日数



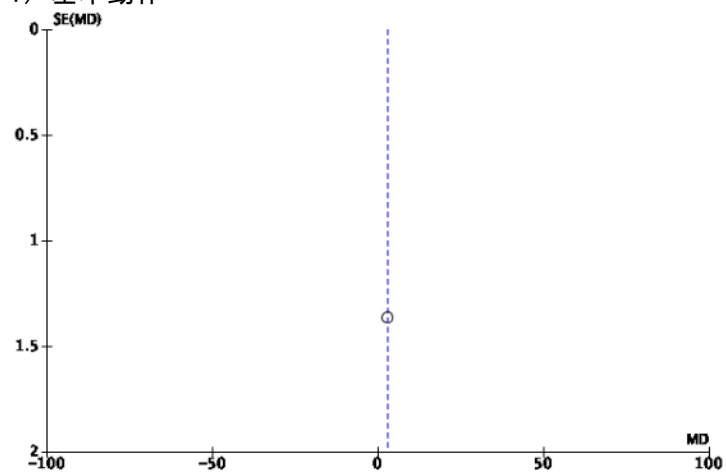
6) ICU 在室中のせん妄の出現率
アウトカムなし

7) すべての有害事象



6. Funnel plot

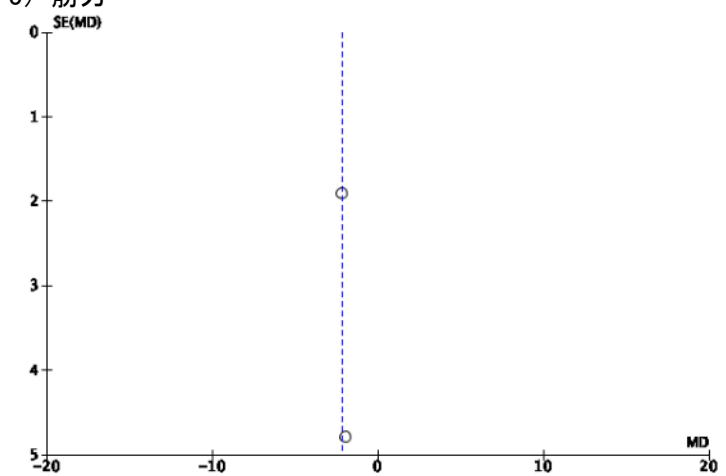
1) 基本動作



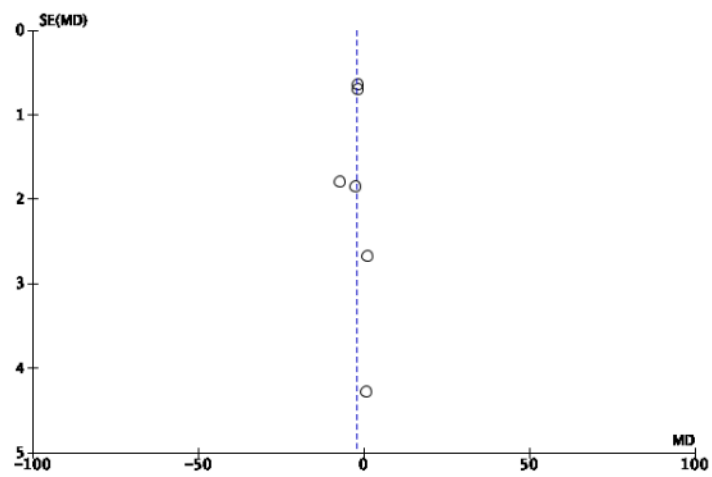
2) ADL



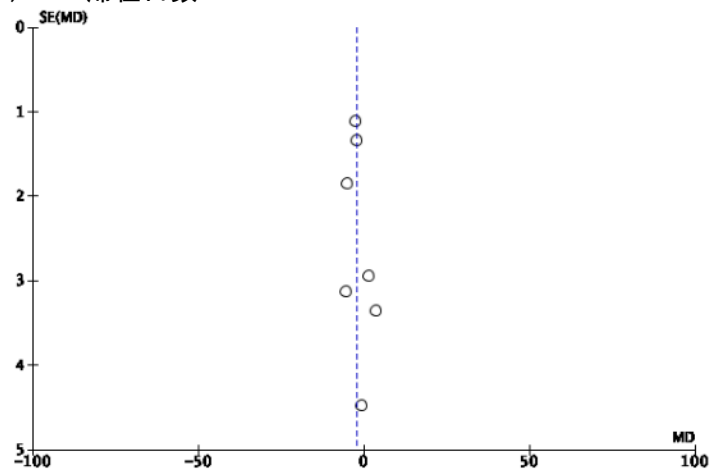
3) 筋力



4) 人工呼吸期間

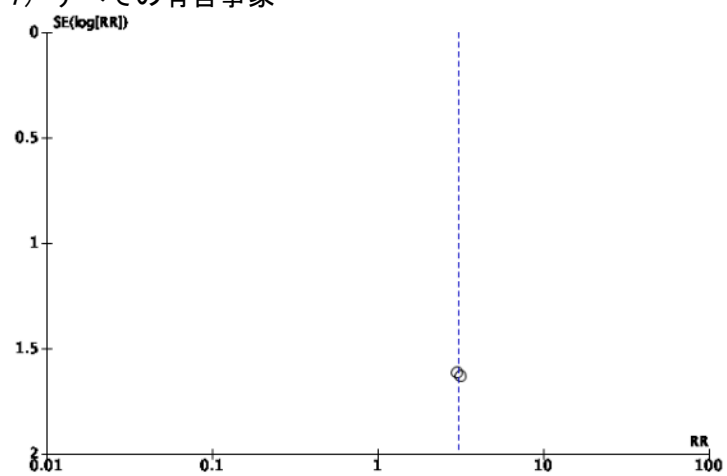


5) ICU 滞在日数



6) ICU 在室中のせん妄の出現率 アウトカムなし

7) すべての有害事象



CQ3 重症患者に対して神経筋電気刺激または/および床上エルゴメータを行うか？

1. Search methods

- MEDLINE (PubMed)
- CENTRAL
- 医中誌

PubMed search strategy (検索日 2021 年 10 月 14 日 : 野々山忠芳)

	検索式	ヒット件数
#1	"critical care"[mh] OR ("critical*[tiab] AND "care"[tiab]) OR "critical illness"[mh] OR "critical ill*[tiab] OR "critically ill*[tiab] OR ("intensive"[tiab] AND "care"[tiab]) OR "intensive care units"[mh] OR "mechanical ventilat*[tiab] OR "Ventilators, Mechanical"[mh:NoExp] OR "Respiration, Artificial"[mh]	428528
#2	"electric stimulation" [mh] OR "electric stimulation therapy" [mh] OR ("electric*[tiab] AND "stimulation"[tiab])	241580
#3	"bicycling"[mh] OR "bicycl*[tiab] OR "cycling*[tiab] OR "cycle*[tiab] OR "ergometry"[mh] OR "ergomet*[tiab]	768600
#4	randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic [mesh: noexp] OR randomly[tiab] OR trial[tiab] NOT (animals [mh] NOT humans [mh])	1558451
#5	#2 OR #3	1001661
#6	#1 AND #4 AND #5	1099

CENTRAL search strategy (検索日 2021 年 10 月 15 日 : 野々山忠芳)

#1	MeSH descriptor: [Critical Care] explode all trees	2157
#2	MeSH descriptor: [Critical Illness] explode all trees	2466
#3	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#4	MeSH descriptor: [Respiration, Artificial] explode all trees	6602
#5	MeSH descriptor: [Ventilators, Mechanical] this term only	253
#6	(critical*):ti,ab,kw AND (ill*):ti,ab,kw	10411
#7	("critical*"):ti,ab,kw AND ("care"):ti,ab,kw	11294
#8	("intensive"):ti,ab,kw AND ("care"):ti,ab,kw	31413
#9	(mechanical NEXT ventilat*):ti,ab,kw	10957
#10	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9	51249
#11	MeSH descriptor: [Electric Stimulation] explode all trees	1946
#12	MeSH descriptor: [Electric Stimulation Therapy] explode all trees	7489
#13	("electric*"):ti,ab,kw AND ("stimulation"):ti,ab,kw	6335
#14	#10 OR #11 OR #12	10750
#15	MeSH descriptor: [Bicycling] explode all trees	1702
#16	(bicycl*):ti,ab,kw	5925
#17	(cycling*):ti,ab,kw	6027

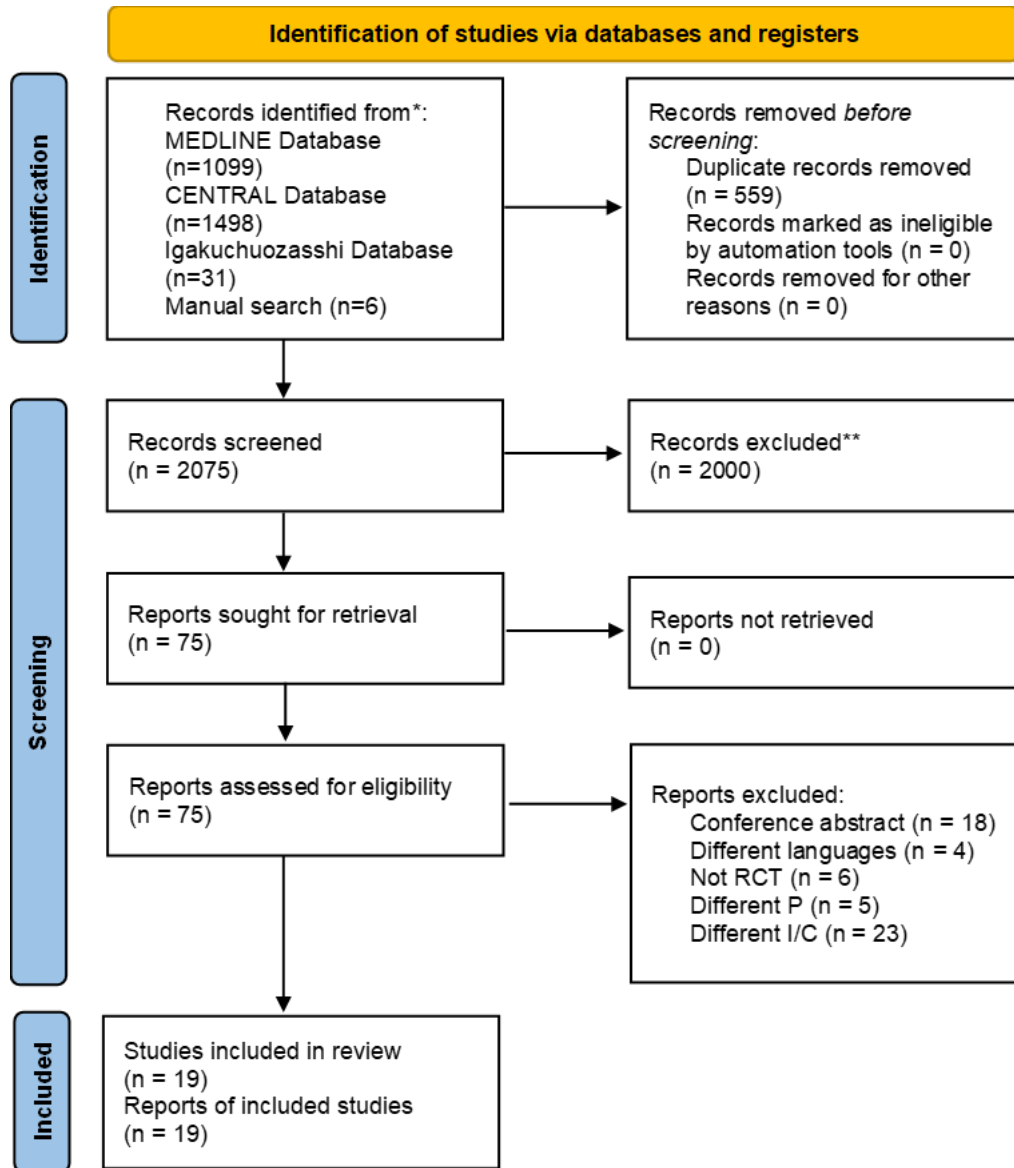
#18	(cycle*):ti,ab,kw	56823
#19	MeSH descriptor: [Ergometry] explode all trees	8733
#20	(ergomet*):ti,ab,kw	6278
#21	#15 OR #16 OR #17 OR #18 OR #19 OR #20	72444
#22	#14 OR #21	82574
#23	#10 AND #22	1498

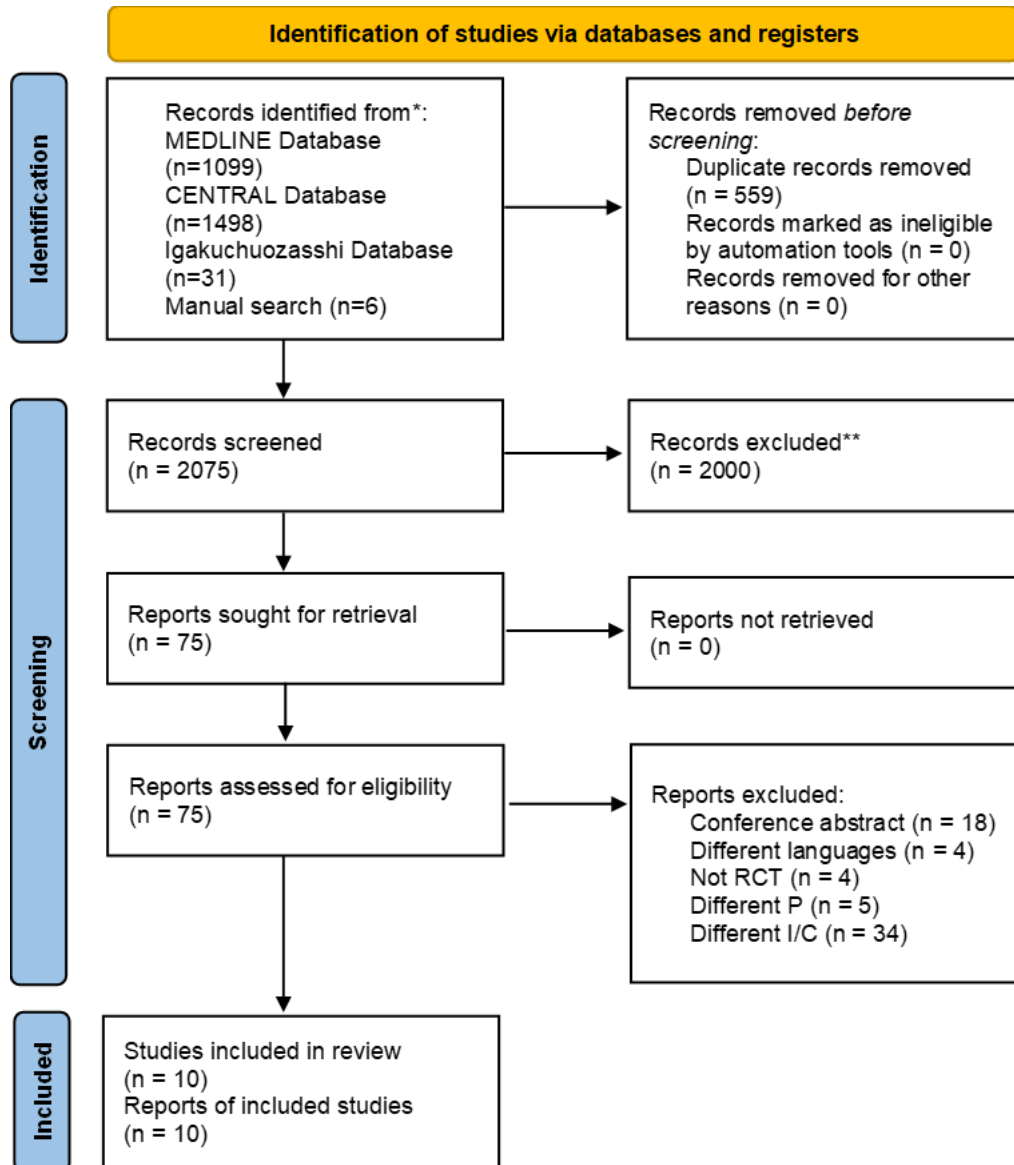
医中誌 search strategy (検索日 2021 年 10 月 28 日 : 野々山忠芳)

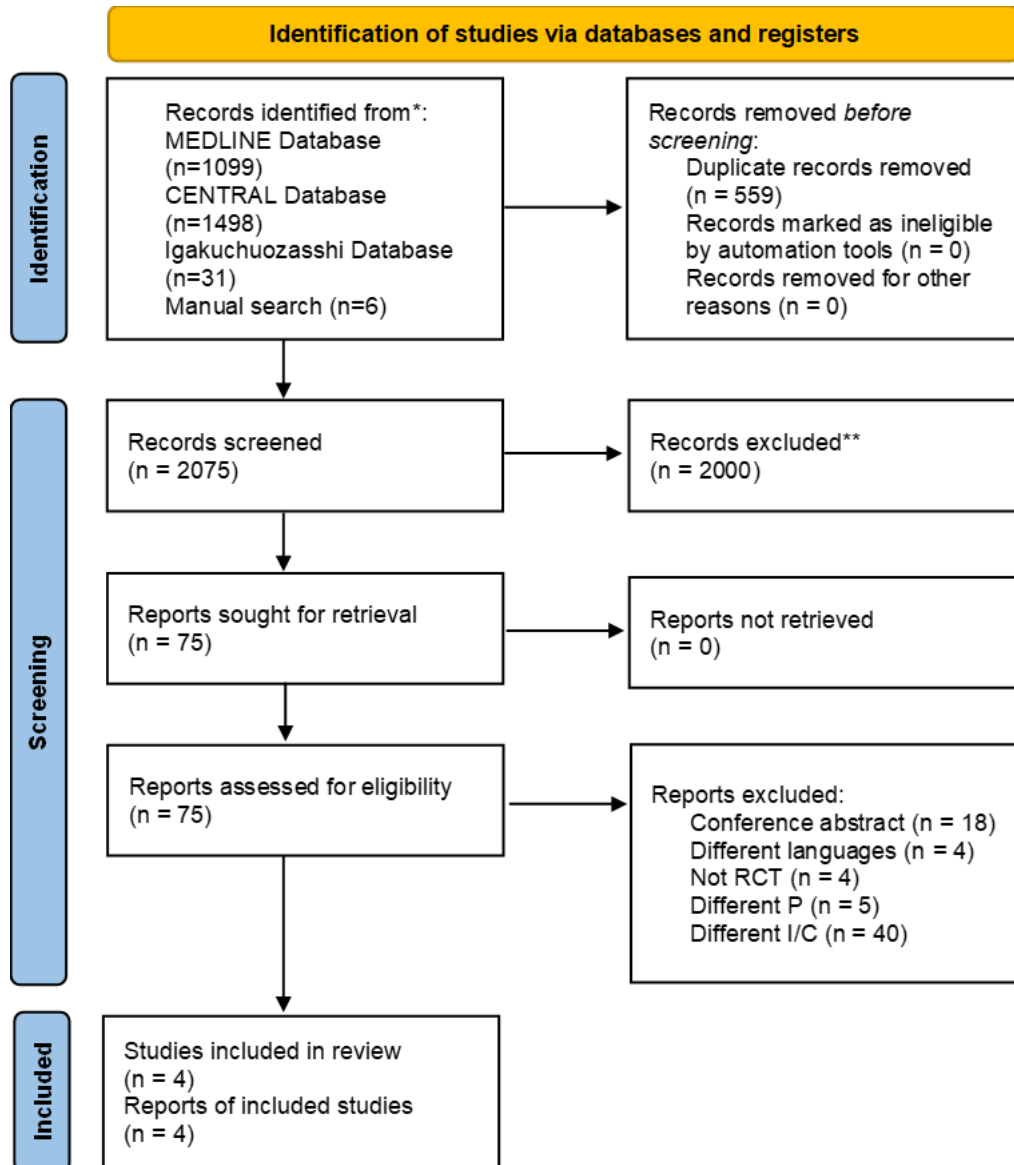
#1	(クリティカルケア/TH or 集中治療/AL) or 重症患者/AL or (ICU/TH or 集中治療室/AL) or ([重症患者ケア]/JN or 重症患者ケア/AL) or 重症病態/AL or (人工呼吸/TH or 人工呼吸/AL)	169292
#2	神経筋電気刺激/AL or (電気刺激/TH or 電気刺激/AL) or (電気刺激療法/TH or 電気療法/AL) or EMS/AL or NMES/AL	79198
#3	((エルゴメトリー/TH or エルゴメーター/AL) or (運動機器/TH or エルゴメーター/AL)) or サイクルエルゴメーター/AL or アシストエルゴメーター/AL or 床上エルゴメーター/AL	31405
#4	(ランダム化比較試験/TH or ランダム化比較試験/AL) or (ランダム化比較試験/TH or RCT/AL)	77864
#5	#2 or #3	109979
#6	#1 and #4 and #5	31

2. PRISMA flow diagram

CQ3-1



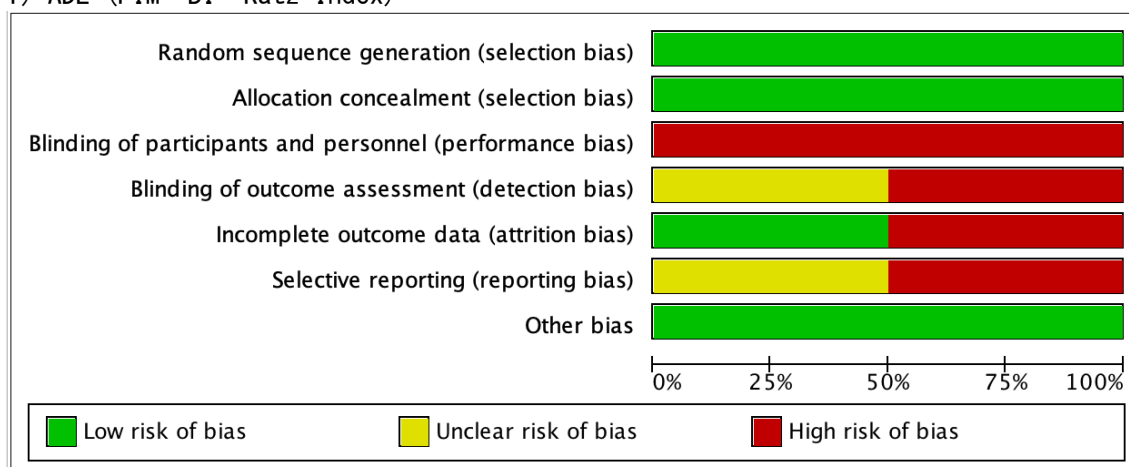




3. Risk of bias graph

CQ3-1

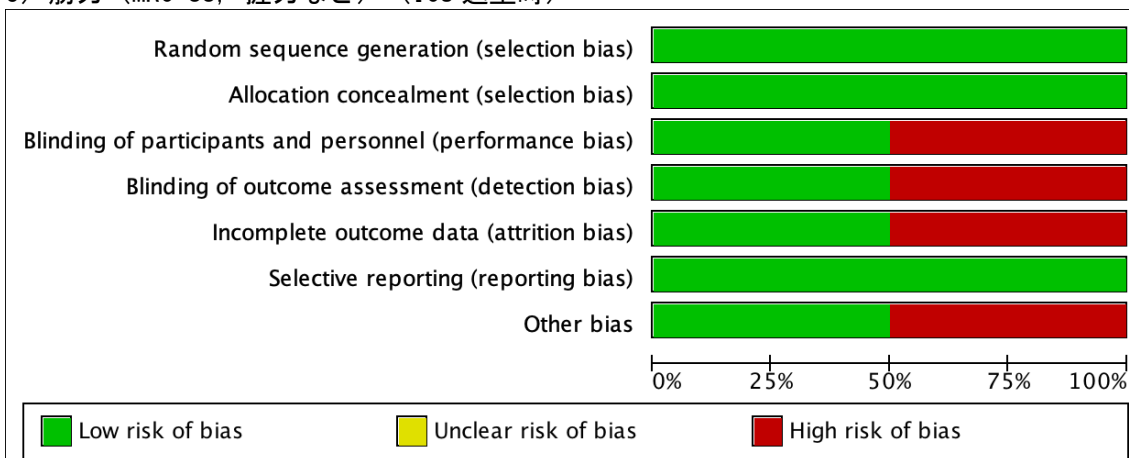
1) ADL (FIM・BI・Katz Index)



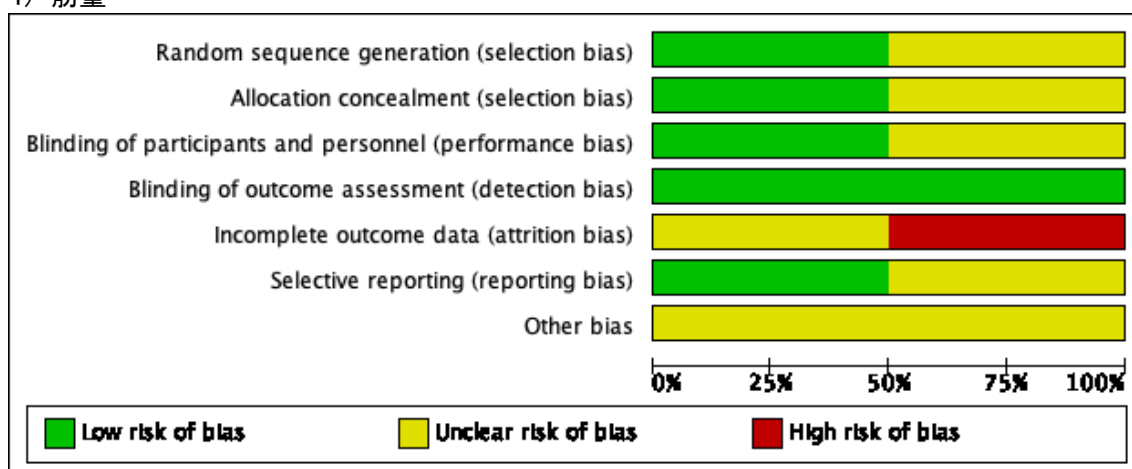
2) 運動耐容能 (6MWD)

データなし

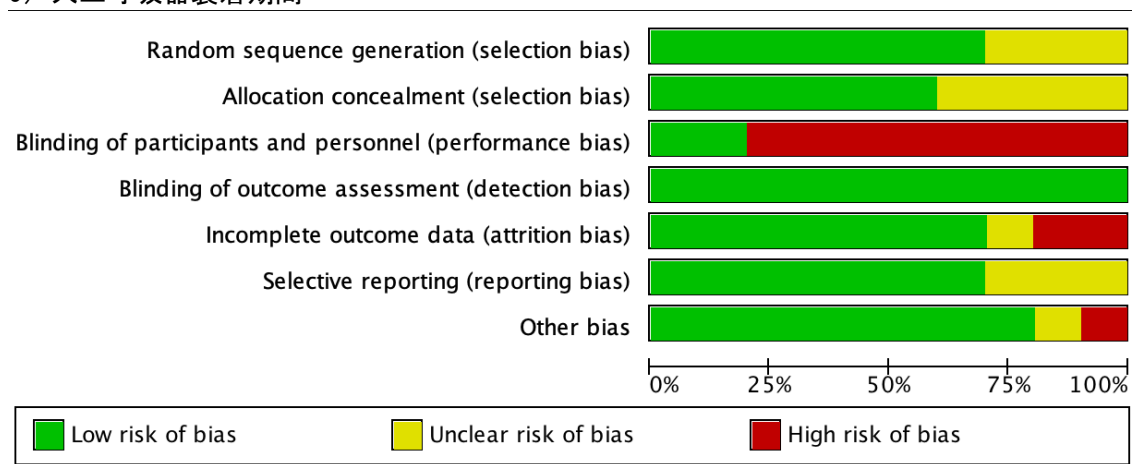
3) 筋力 (MRC-SS, 握力など) (ICU 退室時)



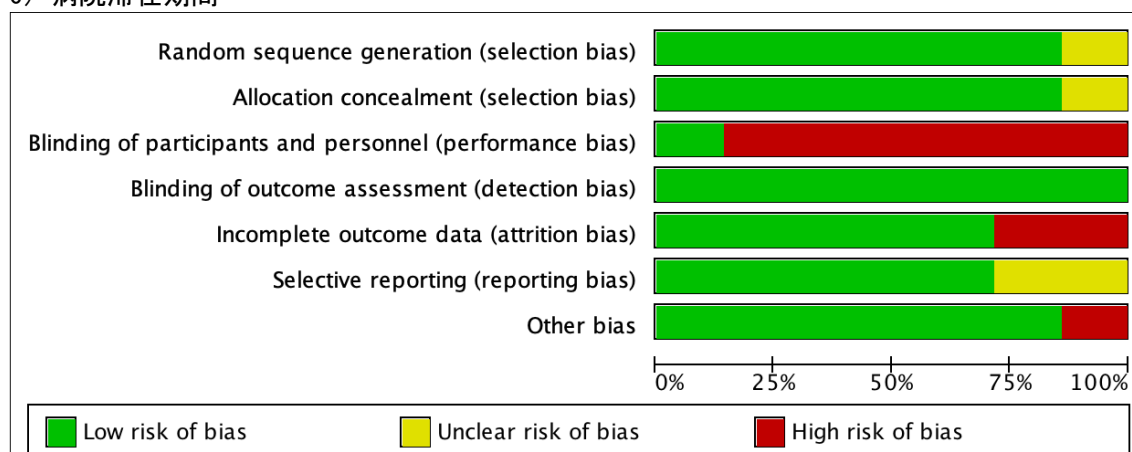
4) 筋量



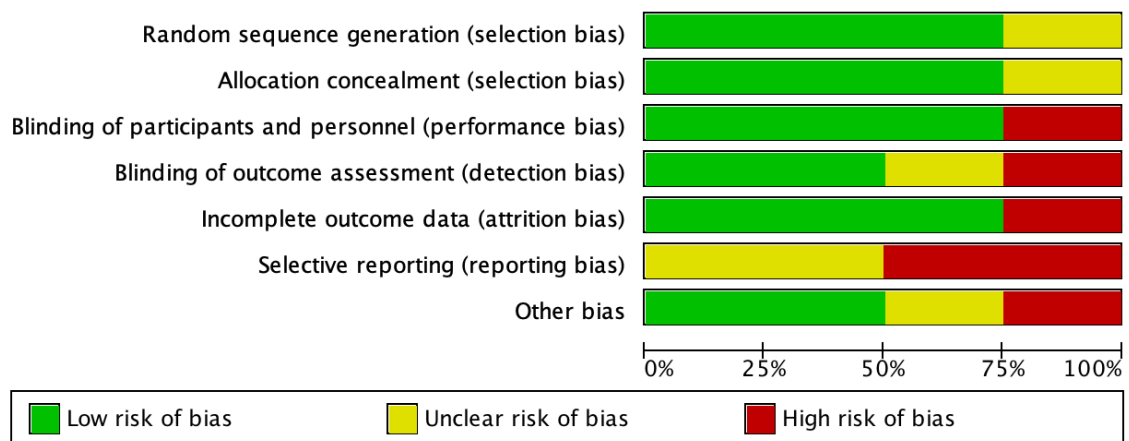
5) 人工呼吸器装着期間



6) 病院滞在期間



7) すべての有害事象

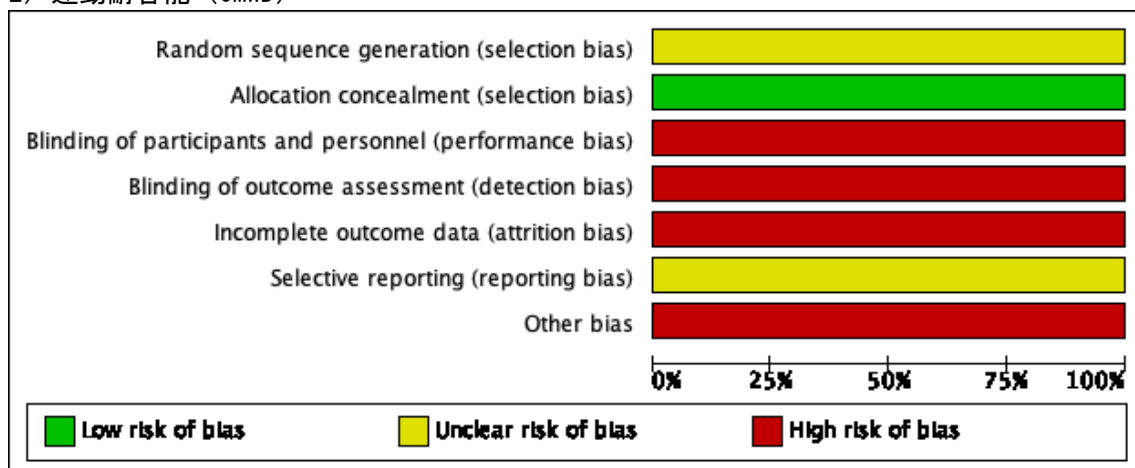


CQ3-2

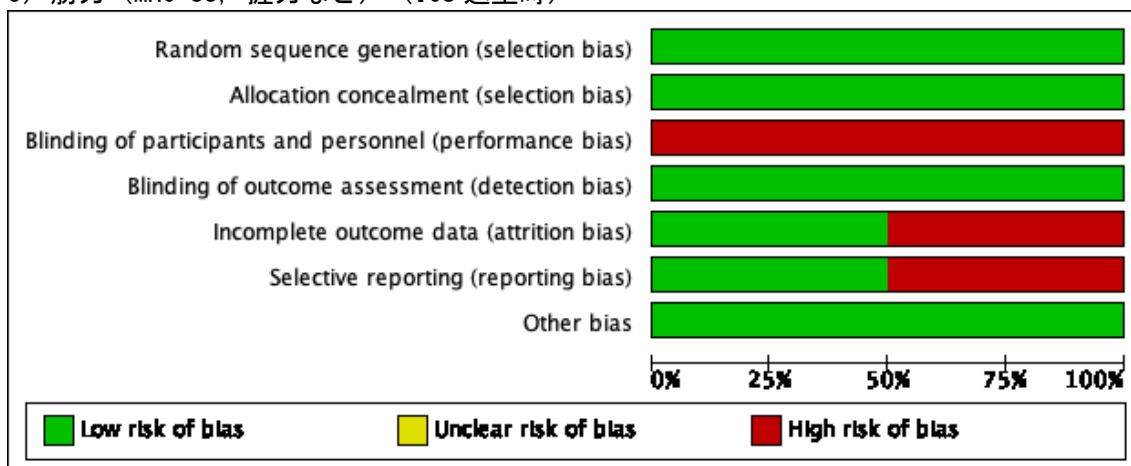
1) ADL (FIM・BI・Katz Index)

データなし

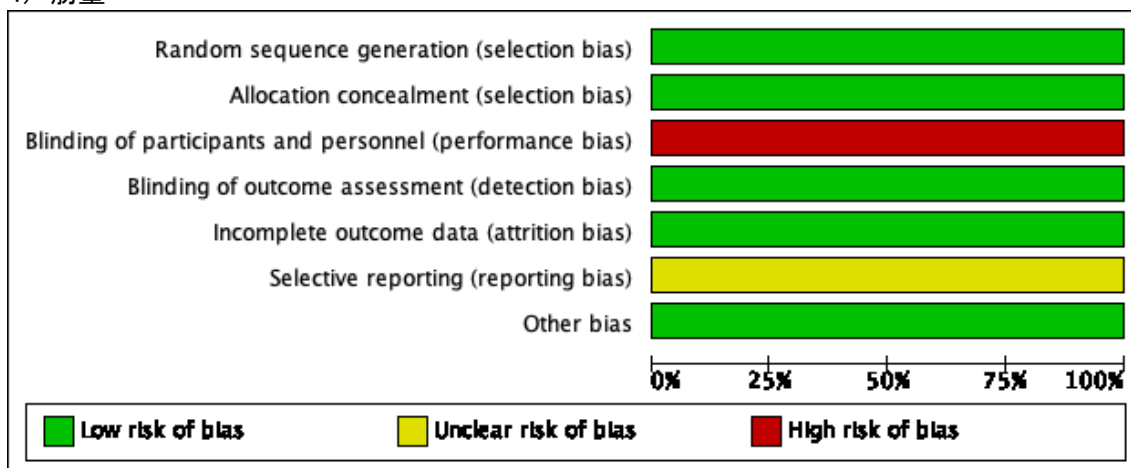
2) 運動耐容能 (6MWD)



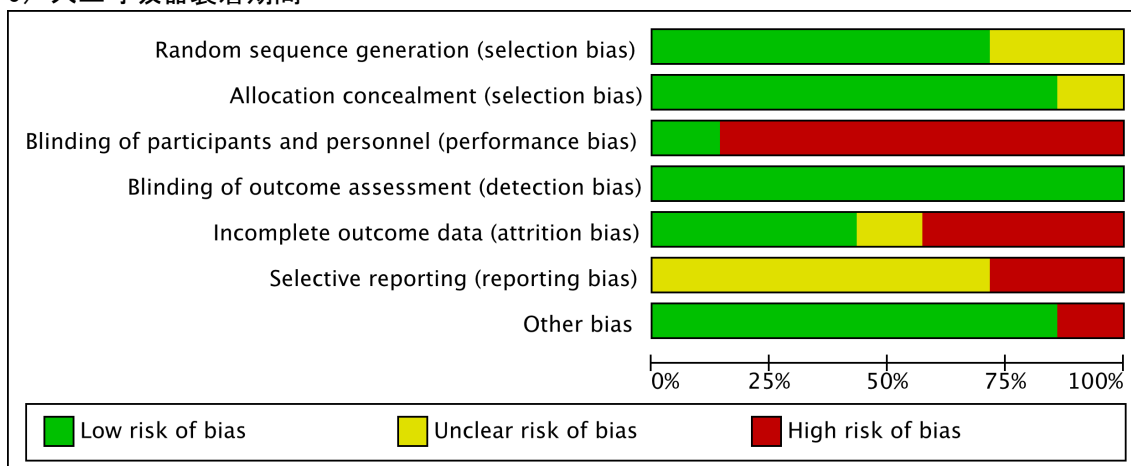
3) 筋力 (MRC-SS, 握力など) (ICU 退室時)



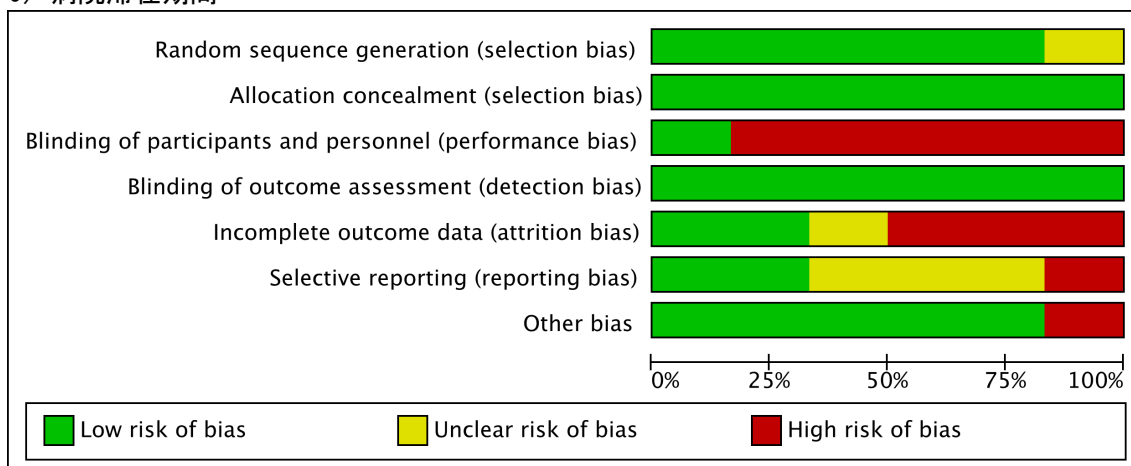
4) 筋量



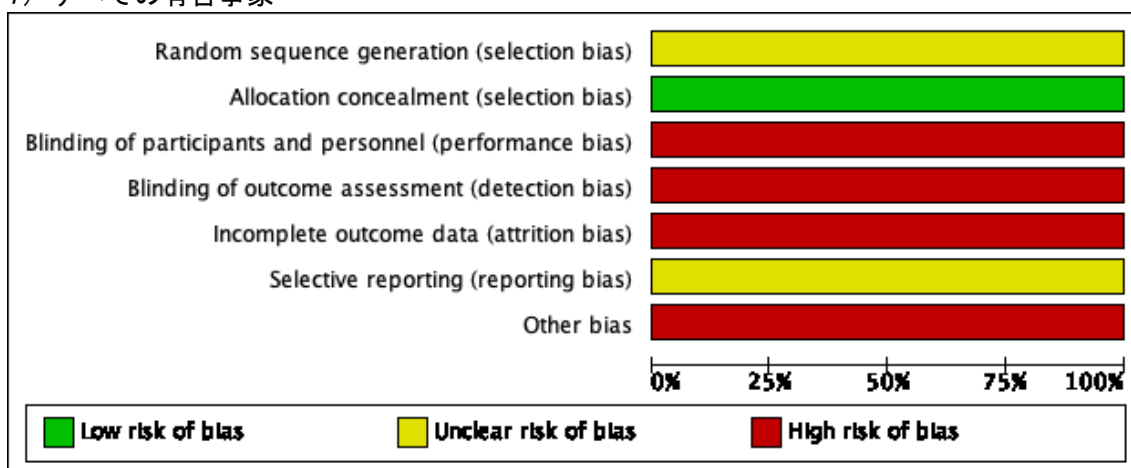
5) 人工呼吸器装着期間



6) 病院滞在期間

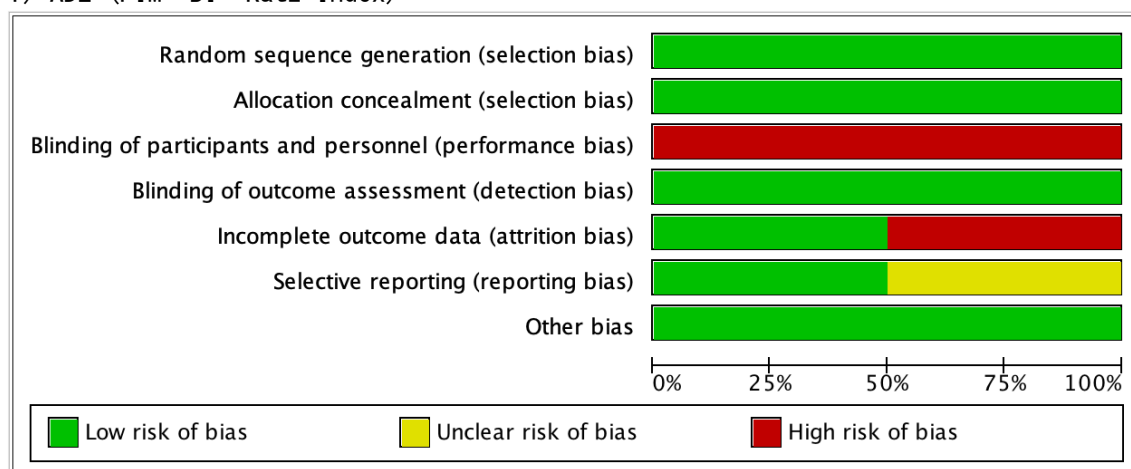


7) すべての有害事象

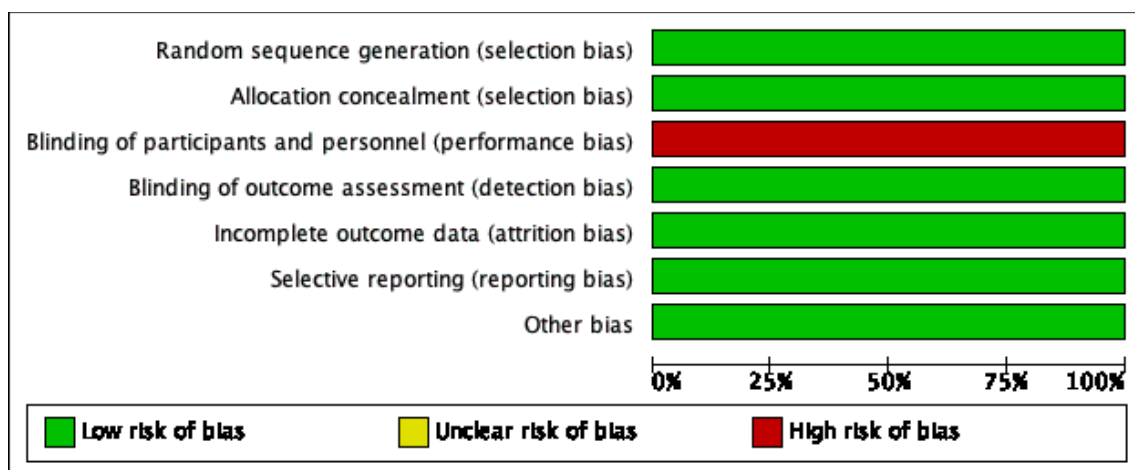


CQ3-3

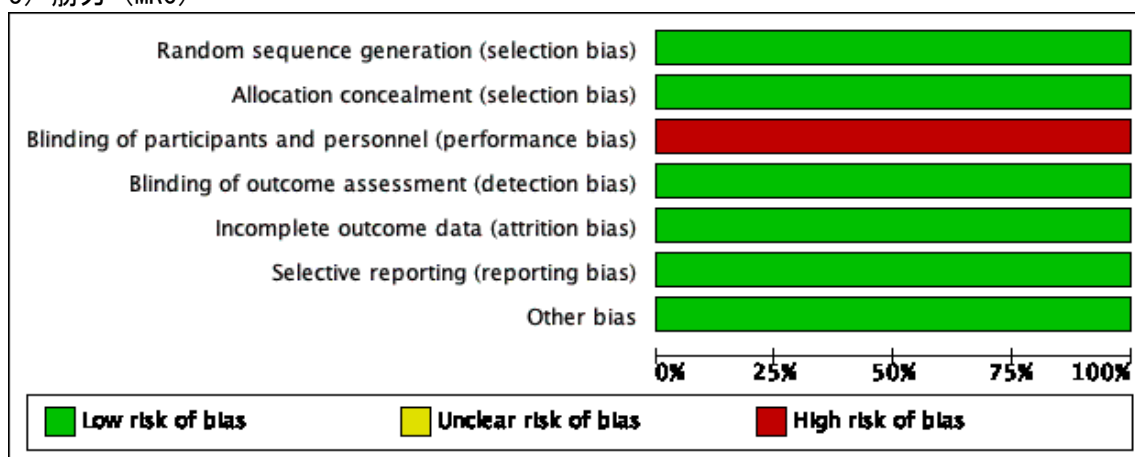
1) ADL (FIM・BI・Katz Index)



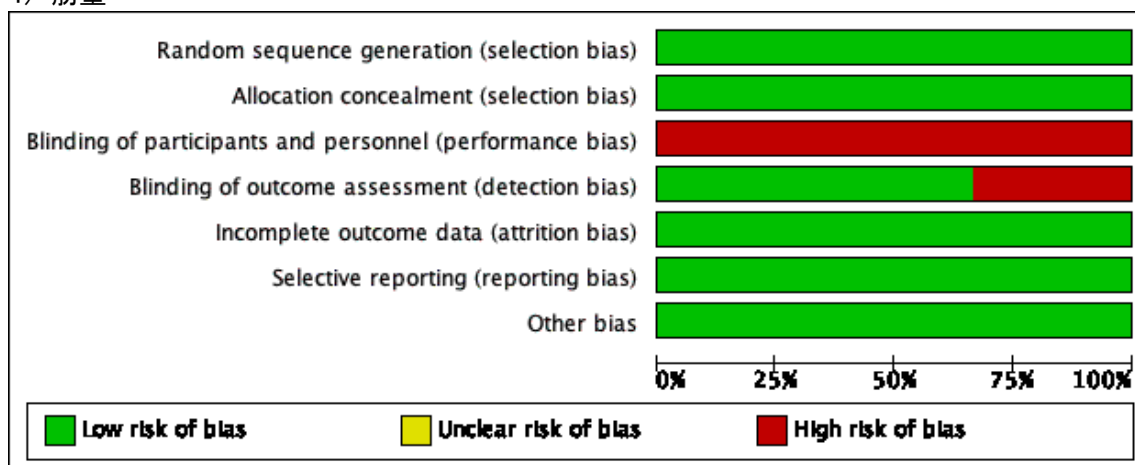
2) 運動耐容能 (6MWD)



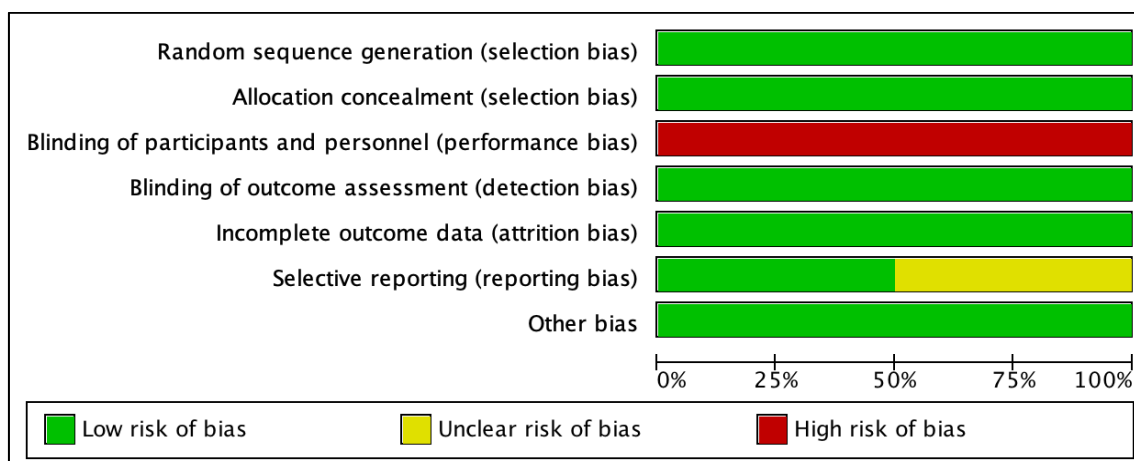
3) 筋力 (MRC)



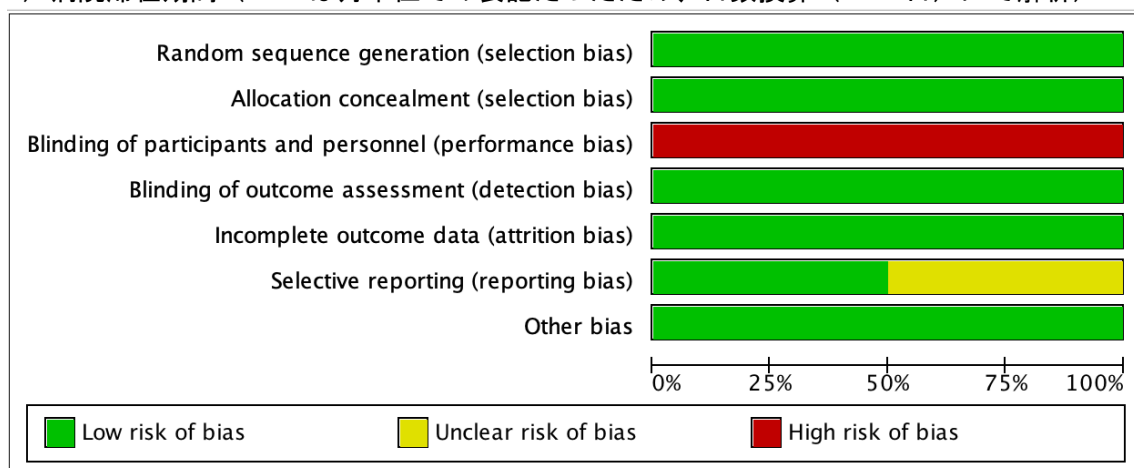
4) 筋量



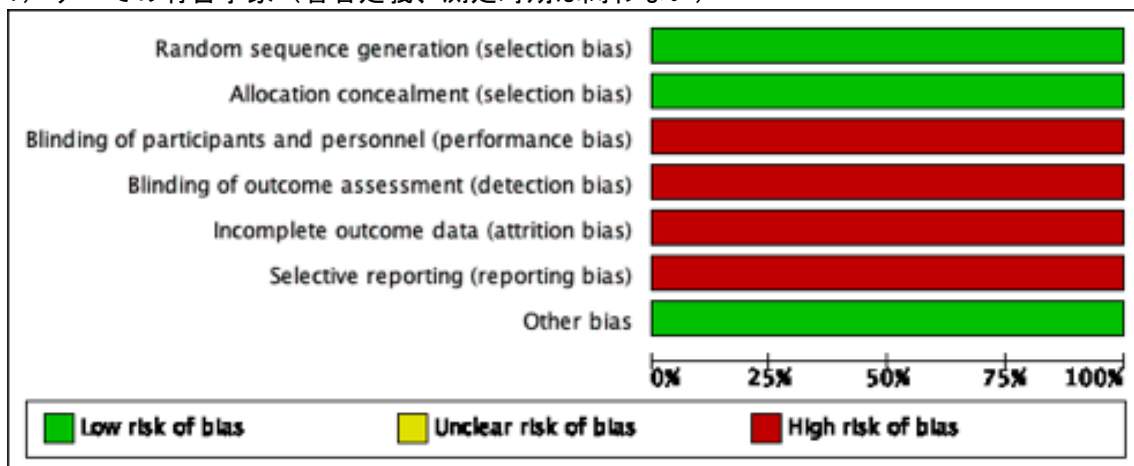
5) 人工呼吸器装着期間



6) 病院滞在期間（#49 は月単位での表記だったため、日数換算（×30 日）にて解析）



7) すべての有害事象（著者定義、測定時期は問わない）



4. Risk of bias summary

CQ3-1

1) ADL (FIM・BI・Katz Index)

	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
DR Campos 2022	+	+	-	-	+	-	+
Nakamura 2019	+	+	-	?	-	?	+

2) 運動耐容能 (6MWD)

データなし

3) 筋力 (MRC-SS, 握力など) (ICU 退室時)

	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
DR Campos 2022							
Kho 2015							

4) 筋量

	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
Dall' Acqua 2017							
Gruther 2010							

5) 人工呼吸装着期間

	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
Abu-Khabier 2013	?	?	-	+	?	?	+
Dall' Acqua 2017	+	+	+	+	-	+	?
Dilek 2015	?	?	-	+	+	?	+
Dos Santos 2020	+	?	-	+	+	+	+
DR Campos 2022	+	+	-	+	+	+	+
Fischer 2016	+	+	-	+	+	?	+
Kho 2015	+	+	+	+	+	+	-
Nakamura 2019	+	+	-	+	+	+	+
Shen 2017	?	?	-	+	-	+	+
Silva 2019	+	+	-	+	+	+	+

6) 病院滞在期間

	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
DR Campos 2022	+	+	-	+	+	+	+
Fischer 2016	+	+	-	+	+	?	+
Fontes Cerqueira 2018	+	+	-	+	-	?	+
Kho 2015	+	+	+	+	+	+	-
Nakamura 2019	+	+	-	+	+	+	+
Nakanishi 2020	?	?	-	+	-	+	+
Silva 2019	+	+	-	+	+	+	+

7) すべての有害事象

	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
Dall' Acqua 2017	+	+	+	?	-	?	?
DR Campos 2022	+	+	-	-	+	-	+
Jonkman 2020	+	+	+	+	+	-	-
McCaughey 2019	?	?	+	+	+	?	+

CQ3-2

1) ADL (FIM・BI・Katz Index)

データなし

2) 運動耐容能 (6MWD)

	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
Burtin 2009	?	+	-	-	-	?	-

3) 筋力 (MRC-SS, 握力など) (ICU 退室時)

	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
Machado 2017	+	+	-	+	-	-	+
Nickels 2020	+	+	-	+	+	+	+

4) 筋量

	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
Ximenes 2019	+	+	-	+	+	?	+

5) 人工呼吸器装着期間

	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
Bianchi 2018	+	+	-	+	-	-	+
Burtin 2009	?	+	-	+	-	?	-
Hickmann 2018	?	?	-	+	+	?	+
Kho 2019	+	+	-	+	+	?	+
Machado 2017	+	+	-	+	-	-	+
Maia Coutinho 2016	+	+	-	+	?	?	+
Nickels 2020	+	+	+	+	+	?	+

6) 病院滞在期間

	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
Bianchi 2018	+	+	-	+	-	-	+
Burtin 2009	?	+	-	+	-	?	-
Kho 2019	+	+	-	+	+	+	+
Machado 2017	+	+	-	+	-	+	+
Maia Coutinho 2016	+	+	-	+	?	?	+
Nickels 2020	+	+	+	+	+	?	+

7) すべての有害事象

	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
Burtin 2009	?	+	-	-	-	?	-

CQ3-3

1) ADL (FIM・BI・Katz Index)

	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
16 Fossat 2018							
6 Berney 2021							

2) 運動耐容能 (6MWD)

	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
Berney 2021							

3) 筋力 (MRC)

	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
Berney 2021							
Fossat 2018							
Waldauf 2021							

4) 筋量

	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
Berney 2021							
Fossat 2018							
Waldauf 2021							

5) 人工呼吸器装着期間

	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
Berney 2021							
Fossat 2018							

6) 病院滞在期間（#49 は月単位での表記だったため、日数換算（×30 日）にて解析）

	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
Berney 2021							
Waldauf 2021							

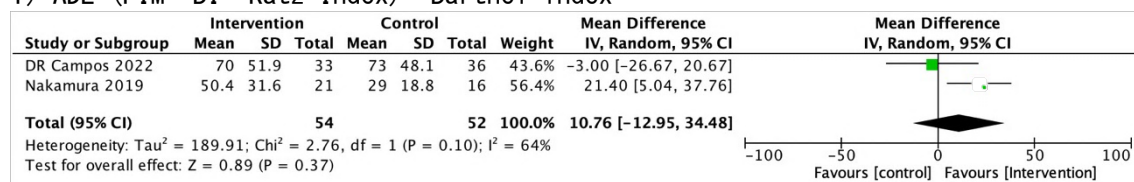
7) すべての有害事象（著者定義、測定時期は問わない）

Fossat 2018	+	+	-	-	-	-	+
	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

5. Forest plot

CQ3-1

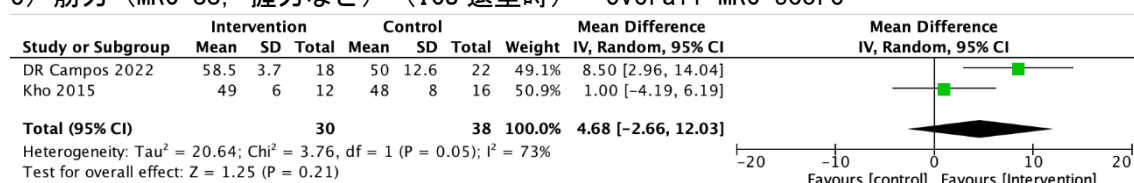
1) ADL (FIM・BI・Katz Index) Barthel index



2) 運動耐容能 (6MWD)

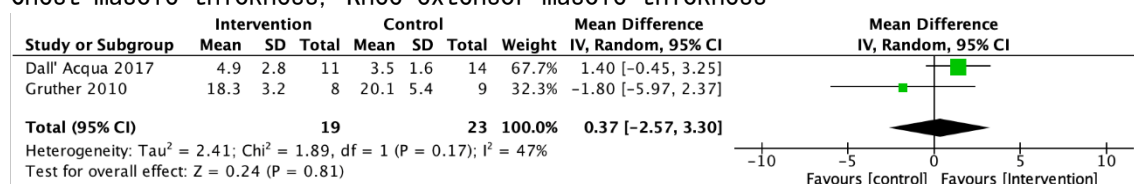
データなし

3) 筋力 (MRC-SS, 握力など) (ICU 退室時) Overall MRC score

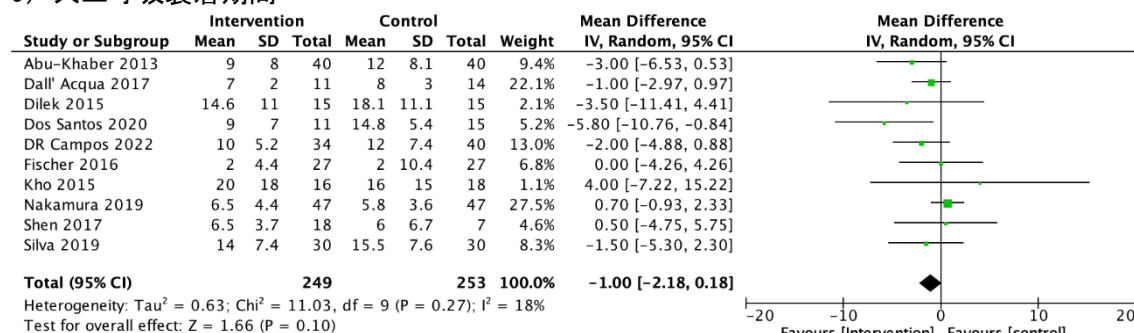


4) 筋量

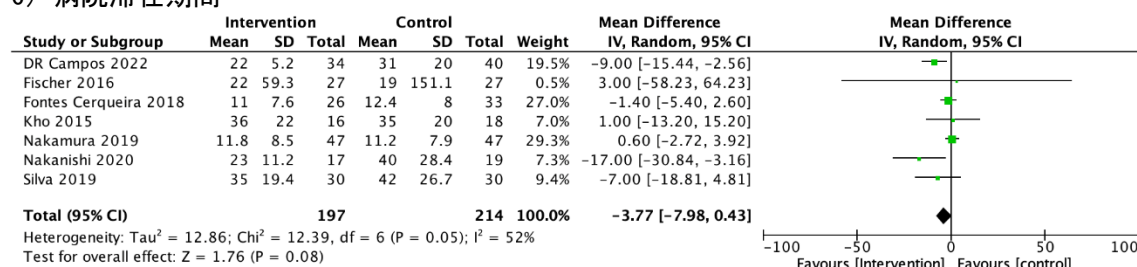
Chest muscle thickness, Knee extensor muscle thickness



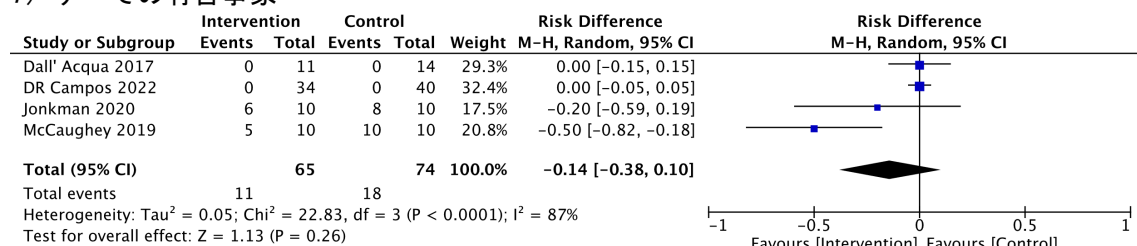
5) 人工呼吸装着期間



6) 病院滞在期間



7) すべての有害事象

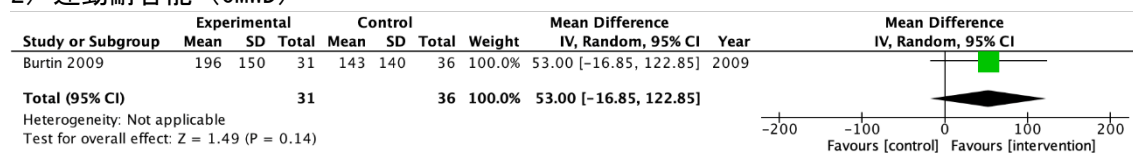


CQ3-2

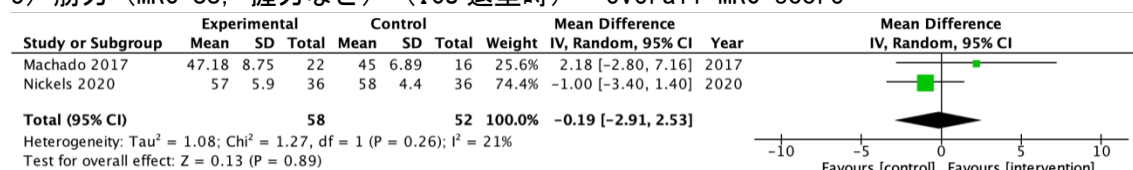
1) ADL (FIM・BI・Katz Index)

データなし

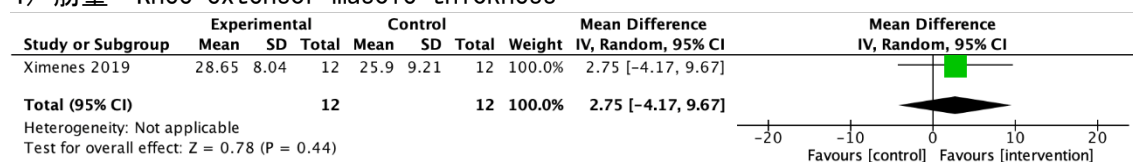
2) 運動耐容能 (6MWD)



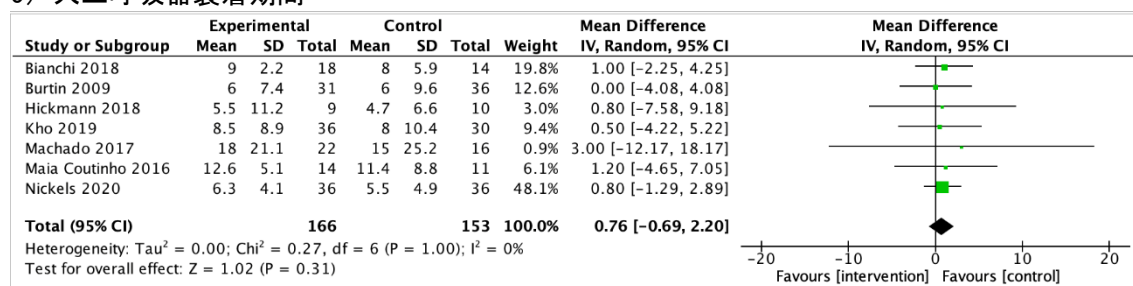
3) 筋力 (MRC-SS, 握力など) (ICU 退室時) Overall MRC score



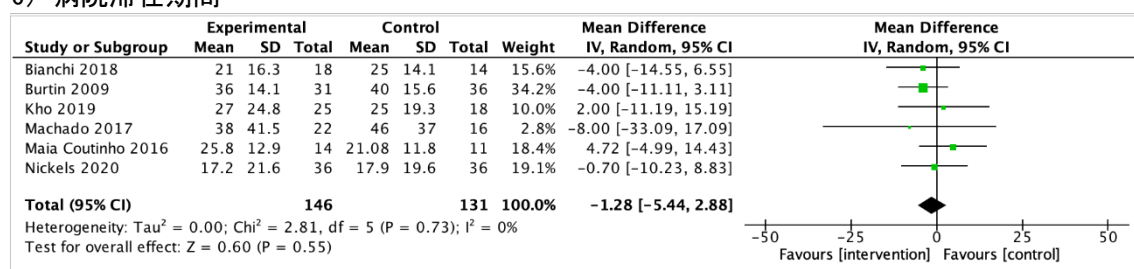
4) 筋量 Knee extensor muscle thickness



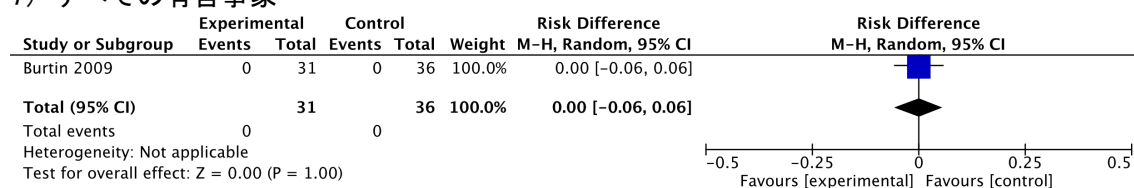
5) 人工呼吸器装着期間



6) 病院滞在期間

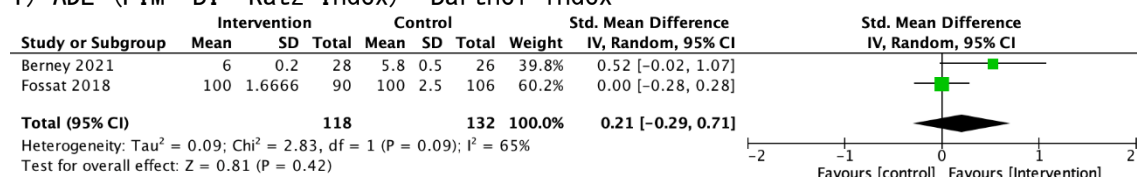


7) すべての有害事象

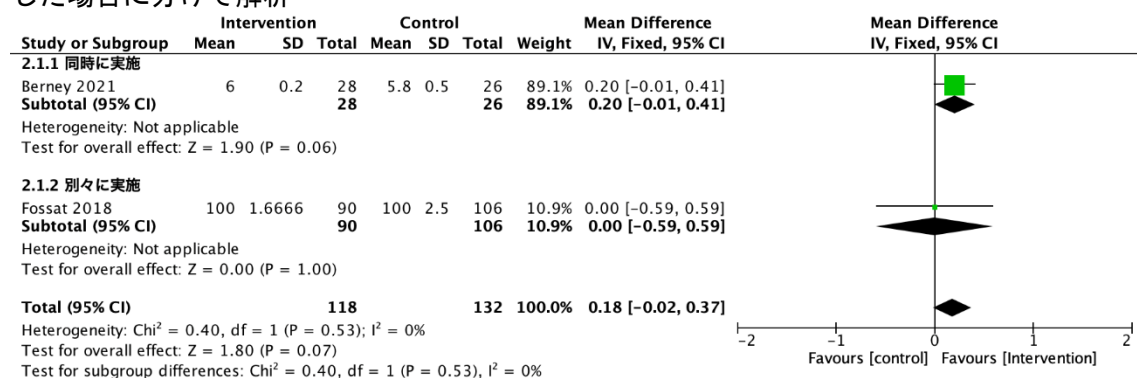


CQ3-3

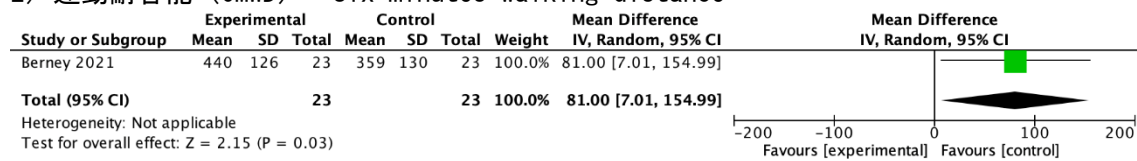
1) ADL (FIM・BI・Katz Index) Barthel index



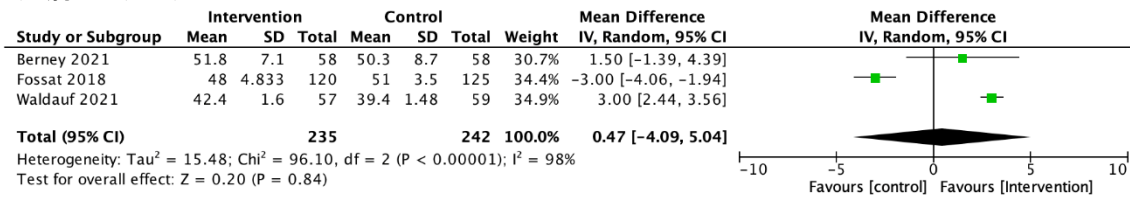
サブ解析 神経筋電気刺激療法と床上エルゴメーターを同時に実施した場合、別々に実施した場合に分けて解析



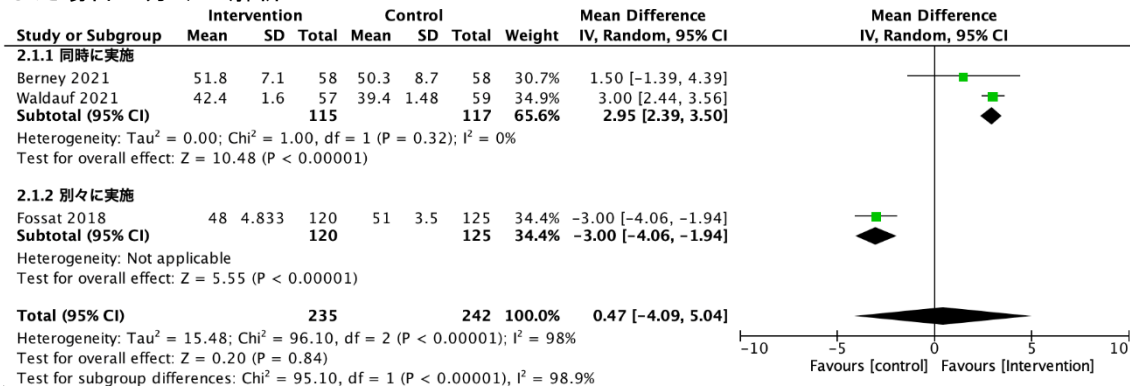
2) 運動耐容能 (6MWD) Six minutes walking distance



3) 筋力 (MRC) Overall MRC score

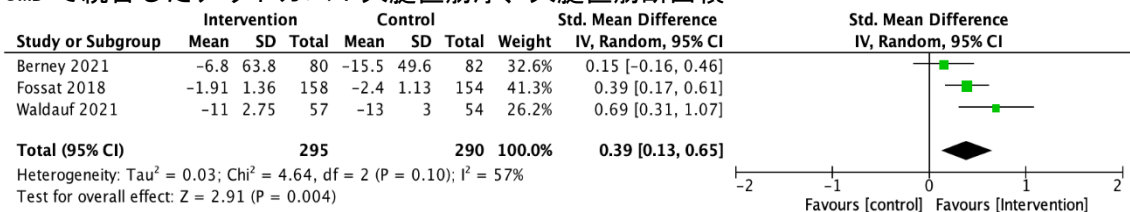


サブ解析 神経筋電気刺激療法と床上エルゴメーターを同時に実施した場合、別々に実施した場合に分けて解析

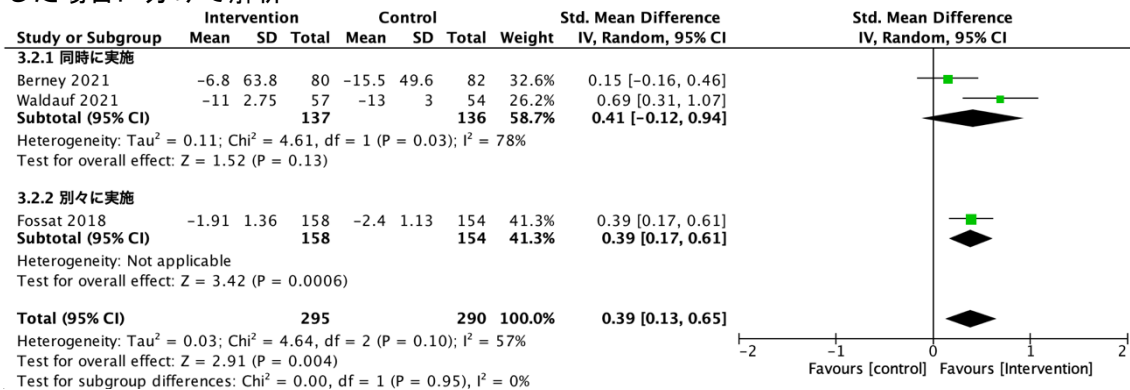


4) 筋量

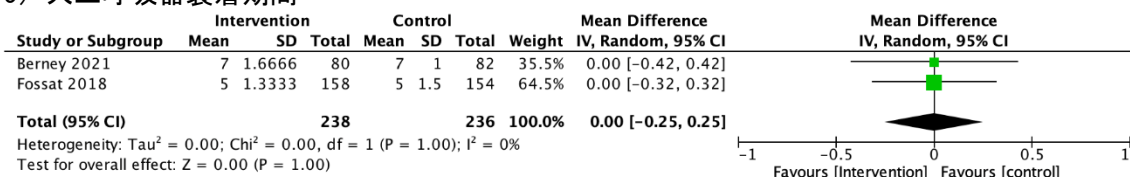
SMD で統合したアウトカム：大腿直筋厚、大腿直筋断面積



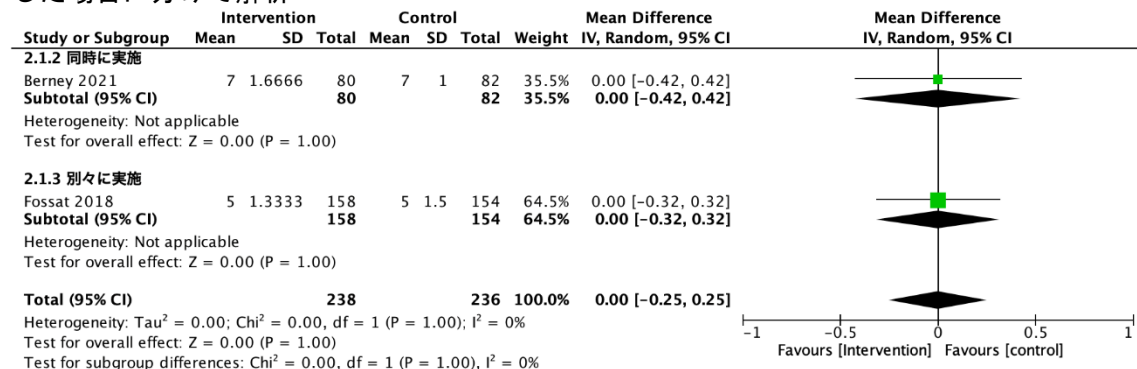
サブ解析 神経筋電気刺激療法と床上エルゴメーターを同時に実施した場合、別々に実施した場合に分けて解析



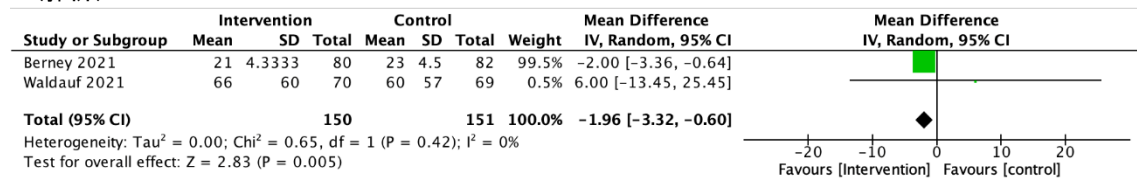
5) 人工呼吸器装着期間



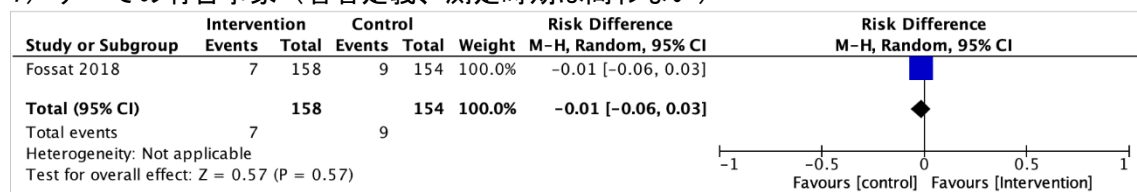
サブ解析 神経筋電気刺激療法と床上エルゴメーターを同時に実施した場合、別々に実施した場合に分けて解析



6) 病院滞在期間（Waldauf らの報告は月単位での表記だったため、日数換算（×30 日）にて解析）



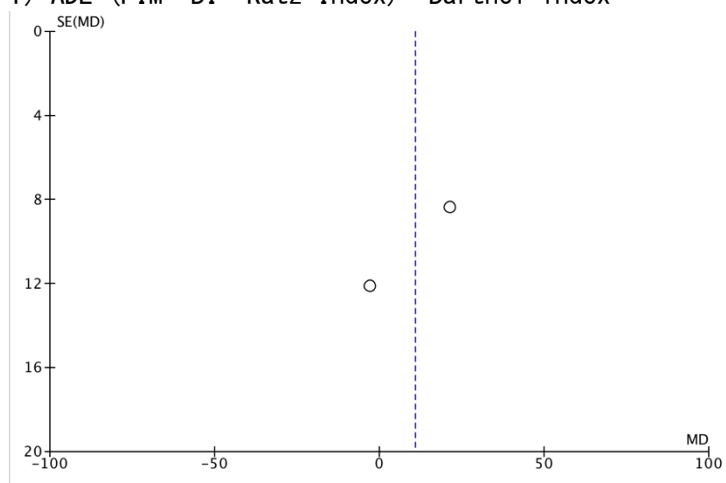
7) すべての有害事象（著者定義、測定時期は問わない）



6. Funnel plot

CQ3-1

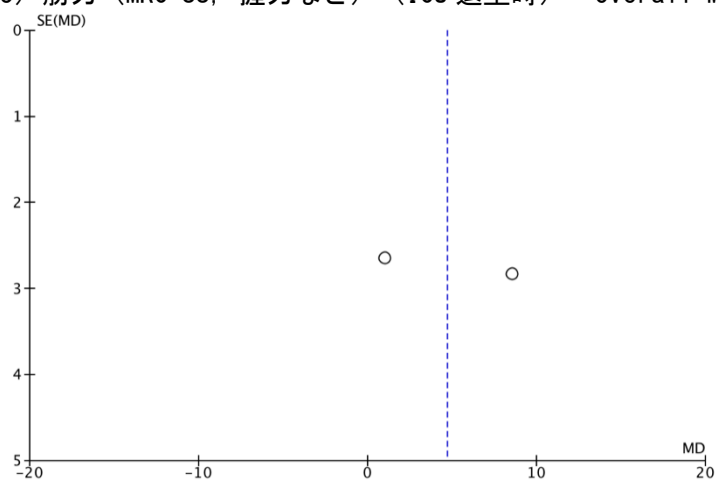
1) ADL (FIM・BI・Katz Index) Barthel index



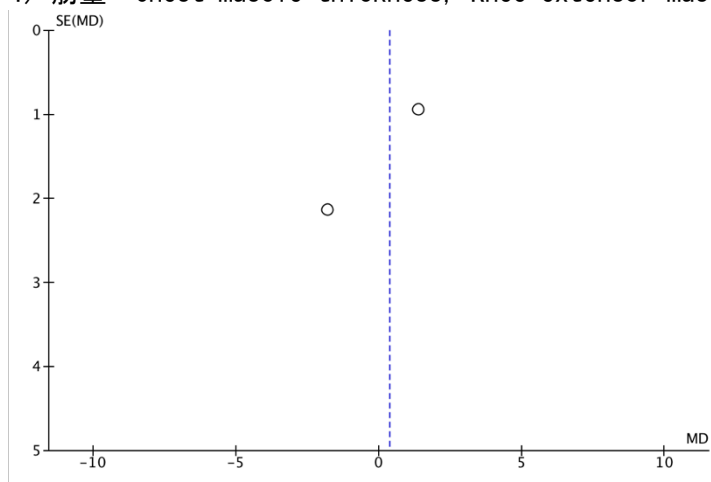
2) 運動耐容能 (6MWD)

データなし

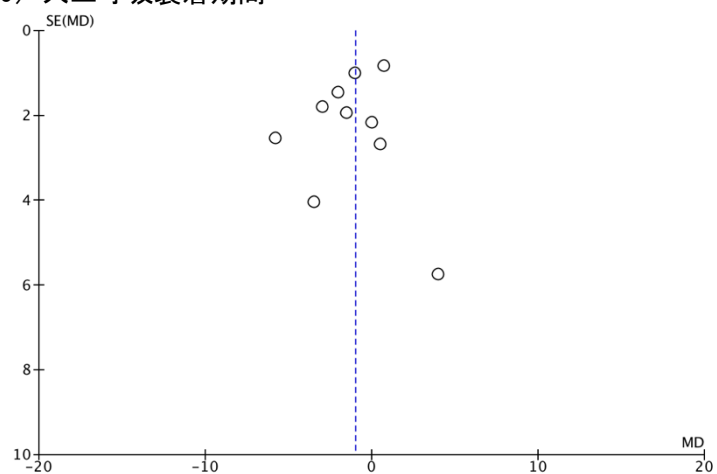
3) 筋力 (MRC-SS, 握力など) (ICU 退室時) Overall MRC score



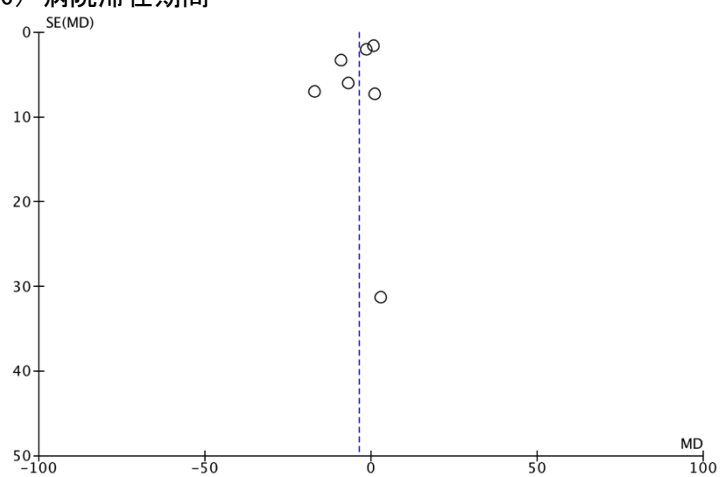
4) 筋量 Chest muscle thickness, Knee extensor muscle thickness



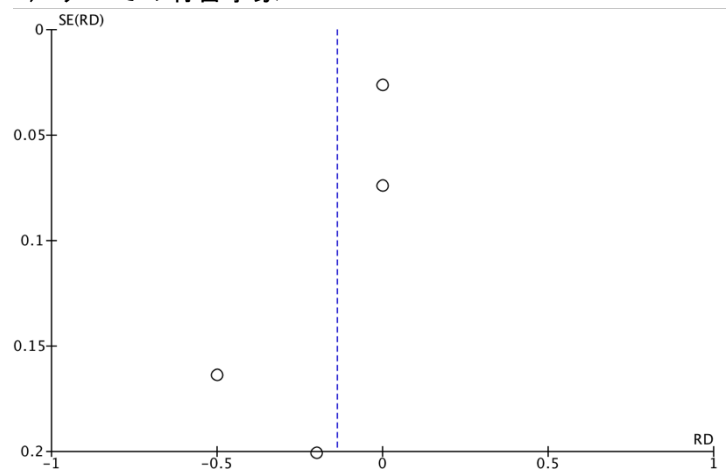
5) 人工呼吸装着期間



6) 病院滞在期間



7) すべての有害事象

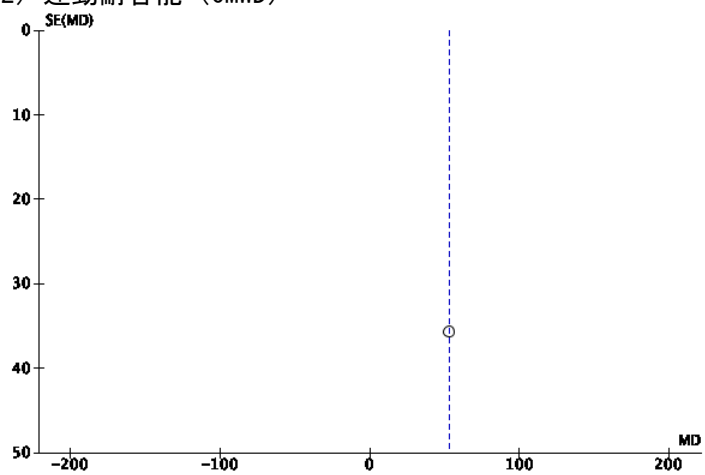


CQ3-2

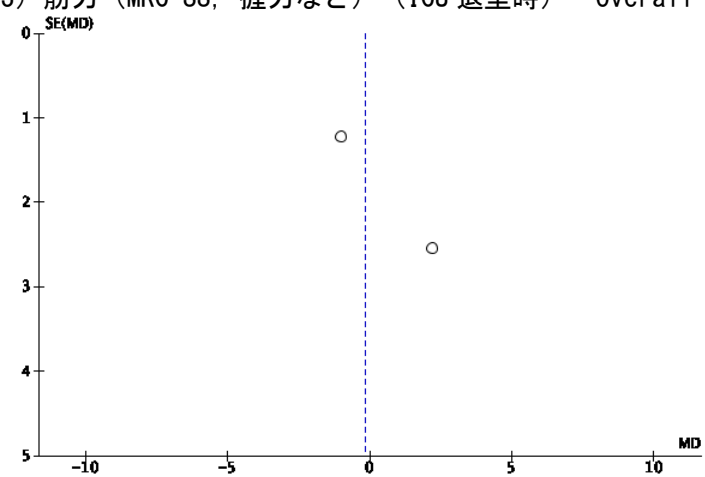
1) ADL (FIM・BI・Katz Index)

データなし

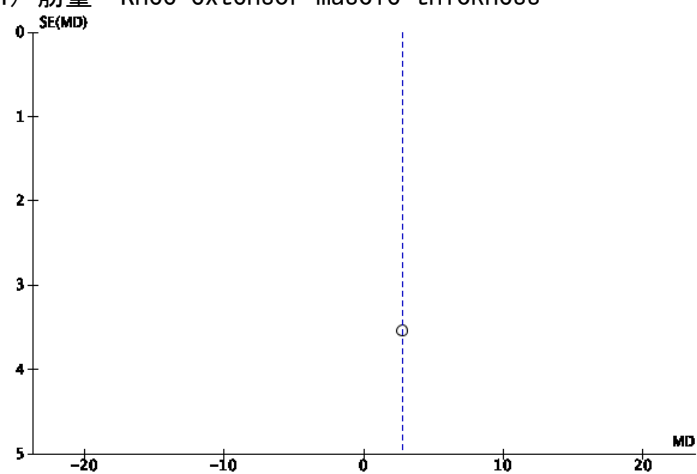
2) 運動耐容能 (6MWD)



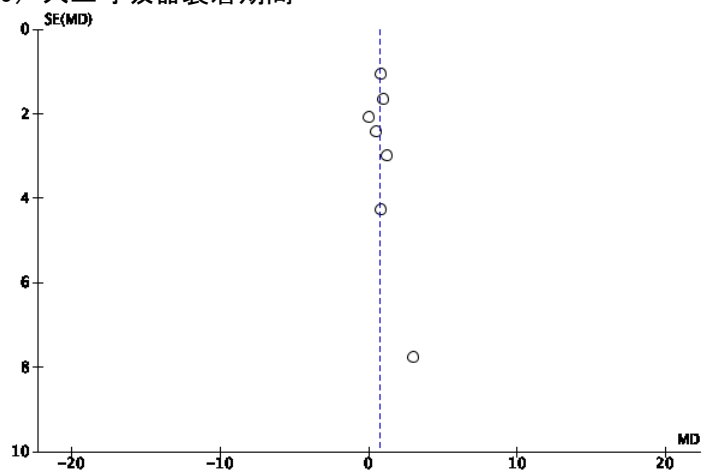
3) 筋力 (MRC-SS, 握力など) (ICU 退室時) Overall MRC score



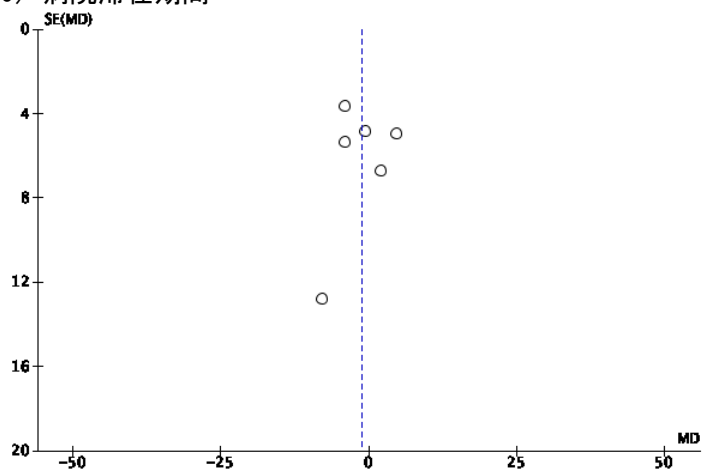
4) 筋量 Knee extensor muscle thickness



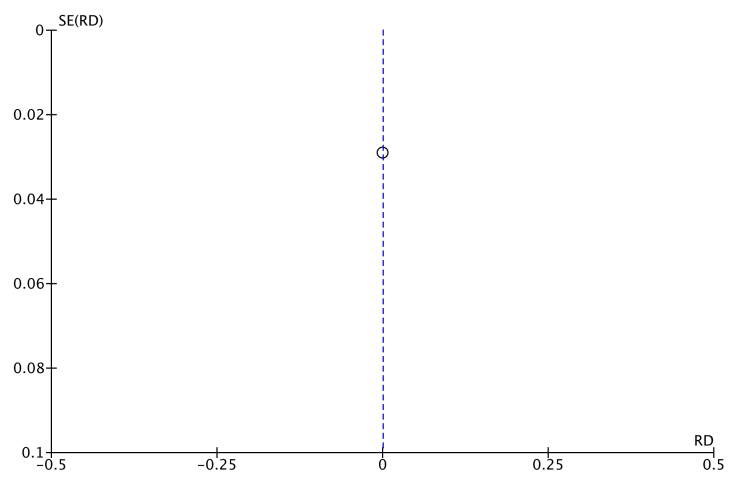
5) 人工呼吸器装着期間



6) 病院滞在期間

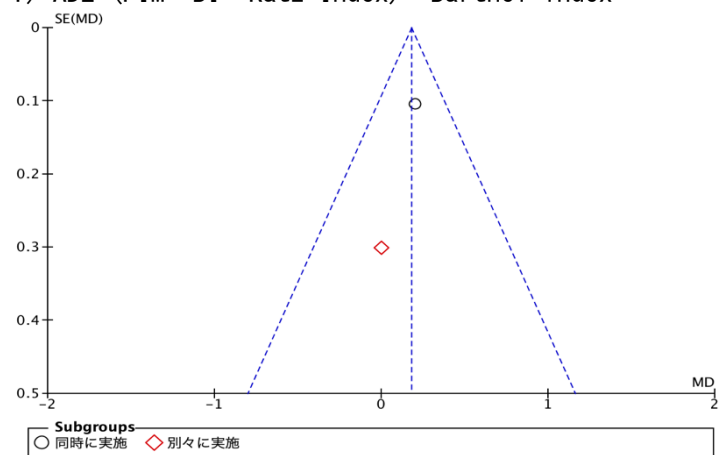


7) すべての有害事象

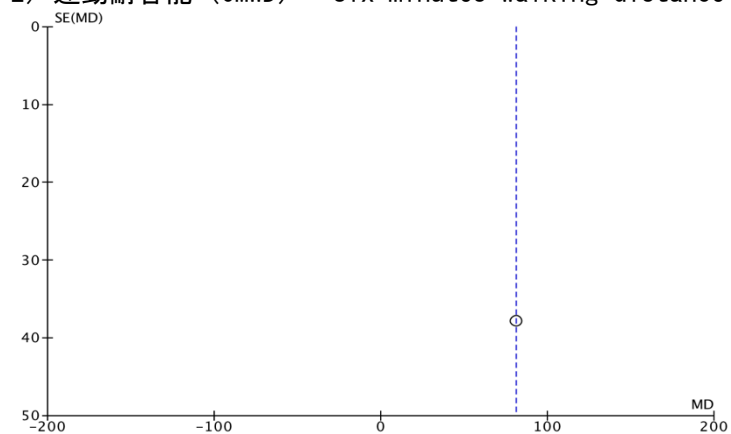


CQ3-3

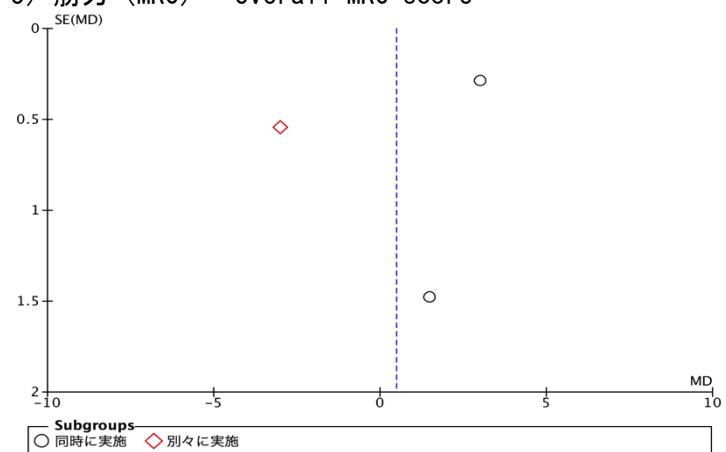
1) ADL (FIM・BI・Katz Index) Barthel index



2) 運動耐容能 (6MWD) Six minutes walking distance

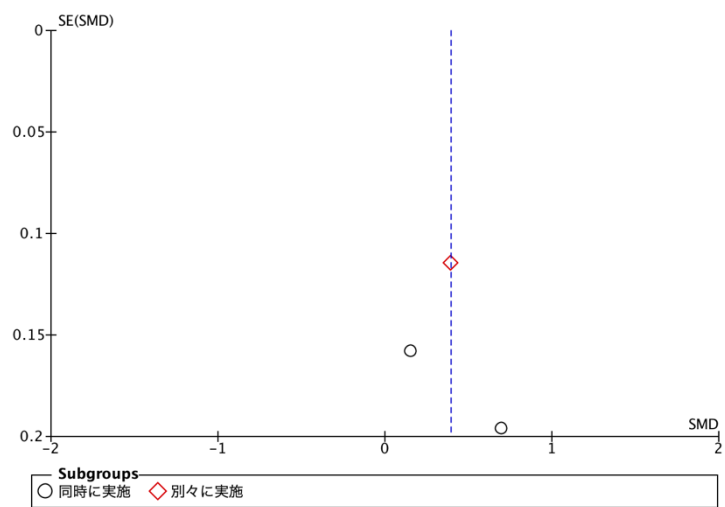


3) 筋力 (MRC) Overall MRC score

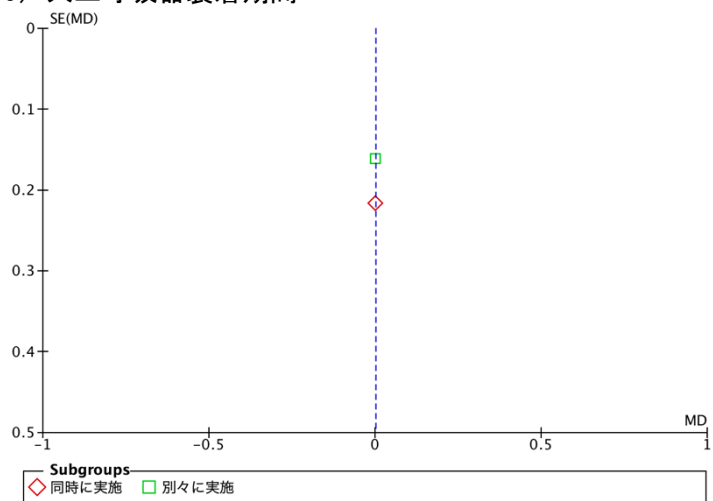


4) 筋量

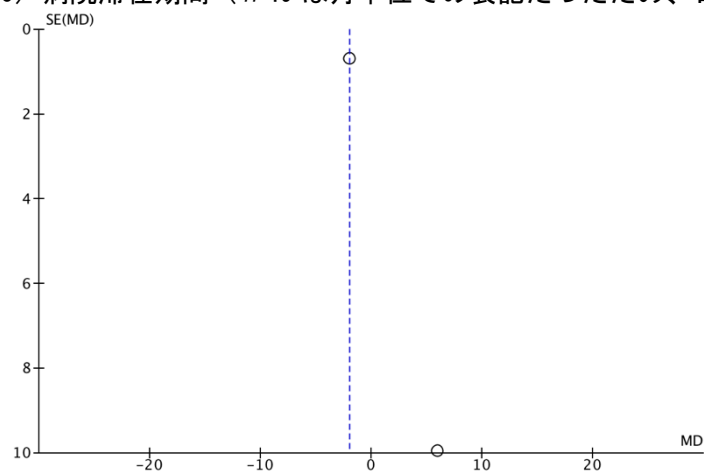
SMD で統合したアウトカム：大腿直筋厚、大腿直筋断面積



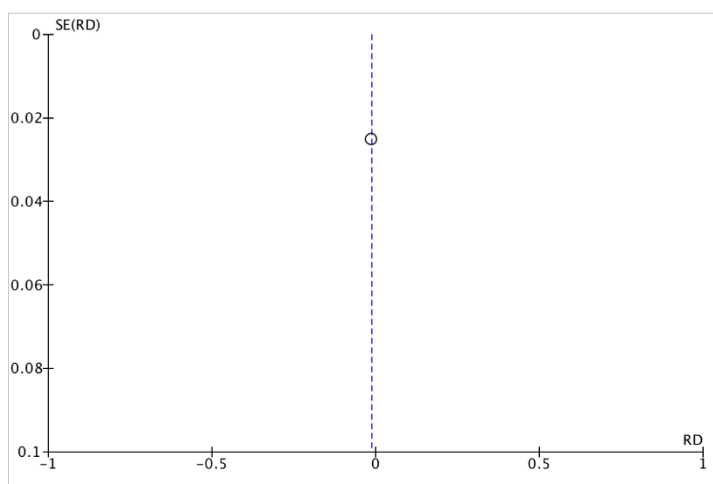
5) 人工呼吸器装着期間



6) 病院滞在期間（#49 は月単位での表記だったため、日数換算（×30 日）にて解析）



7) すべての有害事象（著者定義、測定時期は問わない）



CQ5 重症患者に対して、嚥下内視鏡検査に基づいたマネジメントを行うか？

1. Search methods

データベース

- MEDLINE (PubMed)
- CENTRAL
- 医中誌

PubMed search strategy (検索日 2021 年 11 月 3 日 :)

	検索式	ヒット件数
#1	"Intensive Care Units" [mh]	95,278
#2	"Critical Illness" [mh]	33,966
#3	"Critical Care" [mh]	62,432
#4	"Intensive Care Units"[tiab]	28,399
#5	"Critical Illness" [tiab]	11,161
#6	"Critical Care" [tiab]	36,455
#7	"critical ill*" [tiab]	12,042
#8	"critically ill*" [tiab]	51,697
#9	"ICU"[tiab]	68,509
#10	"intensive care"[tiab]	166,918
#11	"intensive care unit*" [tiab]	132,231
#12	"Deglutition Disorders" [mh]	55,689
#13	"dysphagia"[tiab]	31,028
#14	"Deglutition" [mh]	10,507
#15	"swallowing dysfunction" [tiab]	687
#16	"swallowing difficult*" [tiab]	1,535
#17	"swallowing disorder*" [tiab]	1,486
#18	"extubation" [tiab]	11,797
#19	"postextubation" [tiab]	1,125
#20	"ventilat*" [tiab]	183,389
#21	#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 OR #17 OR #18 OR #19 OR #20	511,780
#22	"fiberoptic endoscop*" [tiab]	1,200
#23	"flexible fiberop*" [tiab]	1,221

#24	"videoendoscop*" [tiab]	1, 227
#25	"video nasal endoscop*" [tiab]	7
#26	"nasal endoscop*" [tiab]	2, 499
#27	"endoscopic evaluation of swallowing" [tiab]	642
#28	"endoscopic swallowing" [tiab]	41
#29	"fiberop*" [tiab]	13, 903
#30	#22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29	17, 814
#31	(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]))	4, 561, 389
#32	#21 AND #30 AND #31	598
#33	11546969	1
#34	#32 AND #33	1

CENTRAL search strategy (検索日 2021 年 11 月 2 日 :)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3887
#2	MeSH descriptor: [Critical Illness] explode all trees	2483
#3	MeSH descriptor: [Critical Care] explode all trees	2163
#4	("Intensive Care Units"):ti, ab, kw	6537
#5	("Critical Illness"):ti, ab, kw	3825
#6	("Critical Care"):ti, ab, kw	4231
#7	(critical ill*):ti, ab, kw	6261
#8	(critically ill*):ti, ab, kw	7615
#9	("ICU"):ti, ab, kw	14445
#10	("intensive care"):ti, ab, kw	25612
#11	(intensive care unit*):ti, ab, kw	21920
#12	MeSH descriptor: [Deglutition Disorders] explode all trees	3013
#13	("dysphagia"):ti, ab, kw	4553
#14	MeSH descriptor: [Deglutition] explode all trees	432
#15	("swallowing dysfunction"):ti, ab, kw	122
#16	(swallowing difficult*):ti, ab, kw	783
#17	("extubation"):ti, ab, kw	7148
#18	(swallow disorder*):ti, ab, kw	353

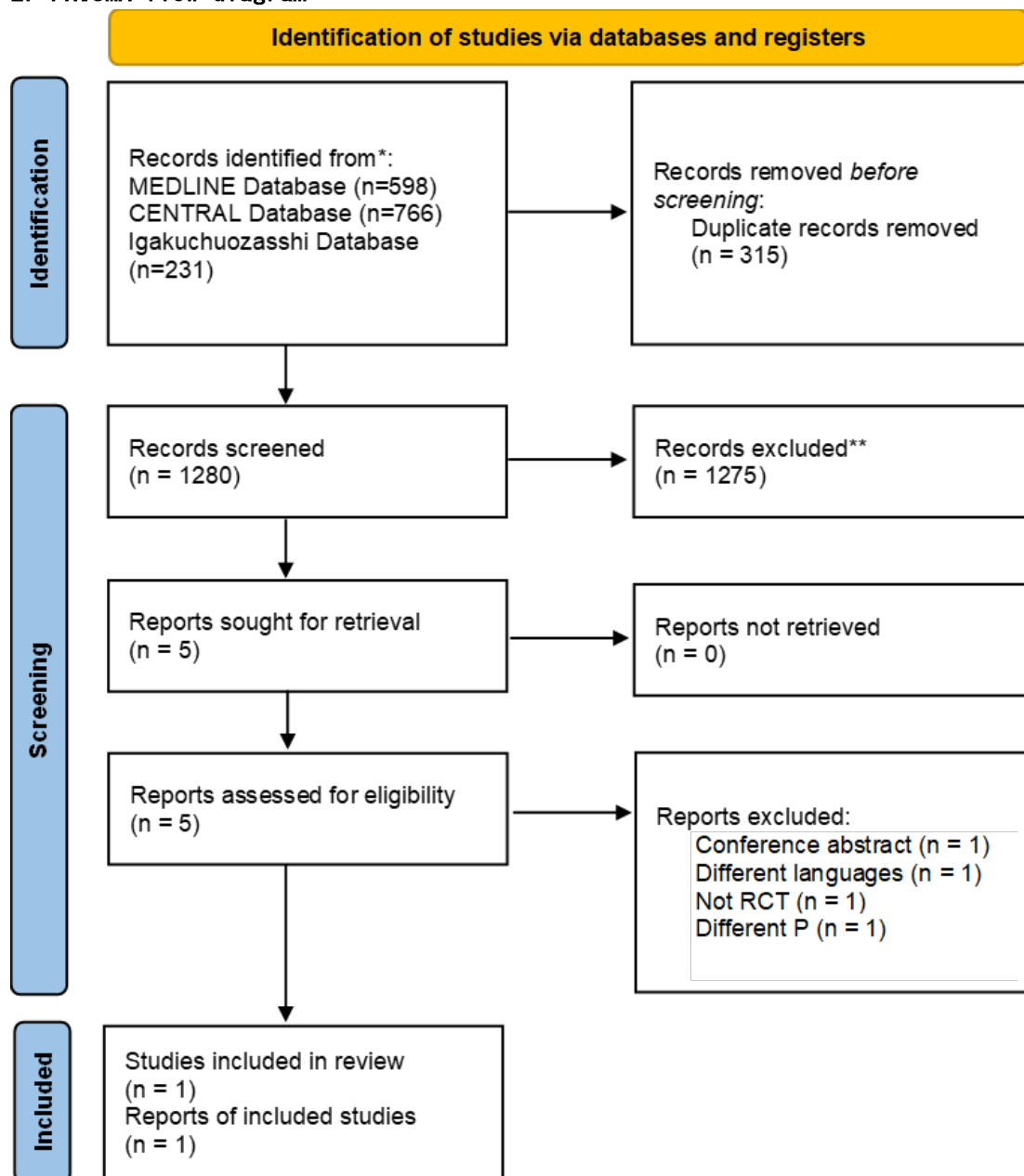
#19	("postextubation"):ti, ab, kw	603
#20	(ventilat*):ti, ab, kw	35643
#21	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20	73845
#22	(fiberoptic endoscop*):ti, ab, kw	221
#23	(flexible fiberop*):ti, ab, kw	271
#24	(videoendoscop*):ti, ab, kw	148
#25	(video nasal endoscop*):ti, ab, kw	50
#26	(nasal endoscop*):ti, ab, kw	1722
#27	("endoscopic evaluation of swallowing"):ti, ab, kw	104
#28	("endoscopic swallowing"):ti, ab, kw	6
#29	(fiberop*):ti, ab, kw	1558
#30	#22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29	3424
#31	#21 AND #30	770 Trials:76 6
#32	11546969	1
#33	#31 AND #32	1

医中誌 search strategy (検索日 2021 年 10 月 30 日 :)

#1	ICU/TH or ICU/TA	103, 481
#2	重症/TA	166, 248
#3	危篤/TH or 危篤/TA	273
#4	クリティカルケア/TH or クリティカルケア/TA	12, 619
#5	嚥下障害/TH or 嚥下障害/TA	56, 204
#6	嚥下/TH or 嚥下/TA	43, 892
#7	嚥下困難/TA	3, 031
#8	嚥下機能低下/TA	381
#9	挿管患者/TA	498
#10	挿管管理/TA	272
#11	人工呼吸/TA	30, 177
#12	抜管/TA	6, 221
#13	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	366, 061

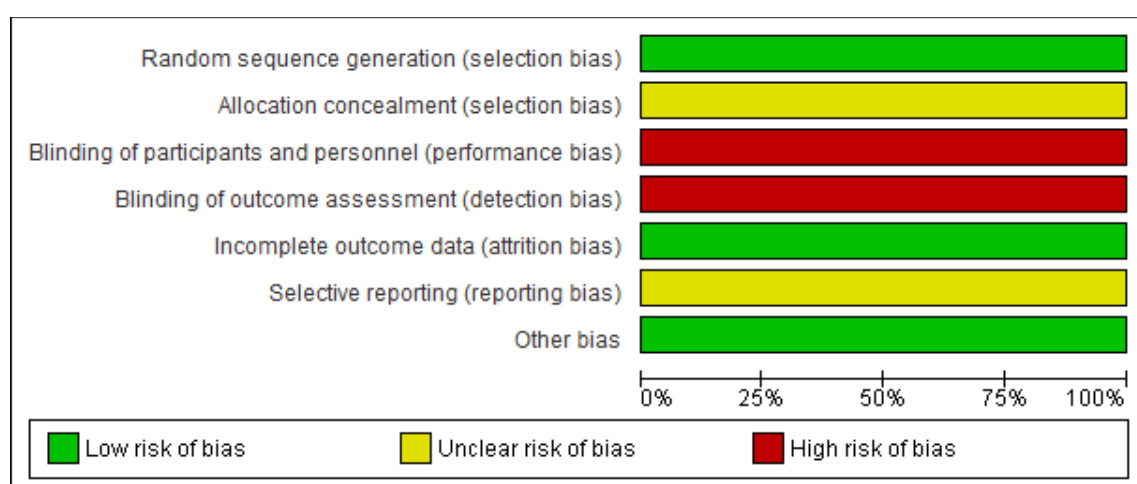
#14	光ファイバー/TH or 光ファイバー/TA	663
#15	電子内視鏡/TH	3, 167
#16	嚥下内視鏡/TA	869
#17	ビデオ内視鏡/TA	128
#18	嚥下評価/TH or 嚥下評価/TA	529
#19	嚥下機能/TH or 嚥下機能/TA	6, 936
#20	#14 or #15 or #16 or #17 or #18 or #19	11, 731
#21	ランダム化比較試験/TH or 準ランダム化比較試験/TH or ランダム化/AL or 無作為化/AL or 比較試験/AL or 臨床試験/AL or プラセボ/AL or 対照/AL or コントロール/AL or 臨床研究/AL	333, 486
#22	#13 and #20 and #21	231
#23	(#22) and (PT=会議録除く)	

2. PRISMA flow diagram

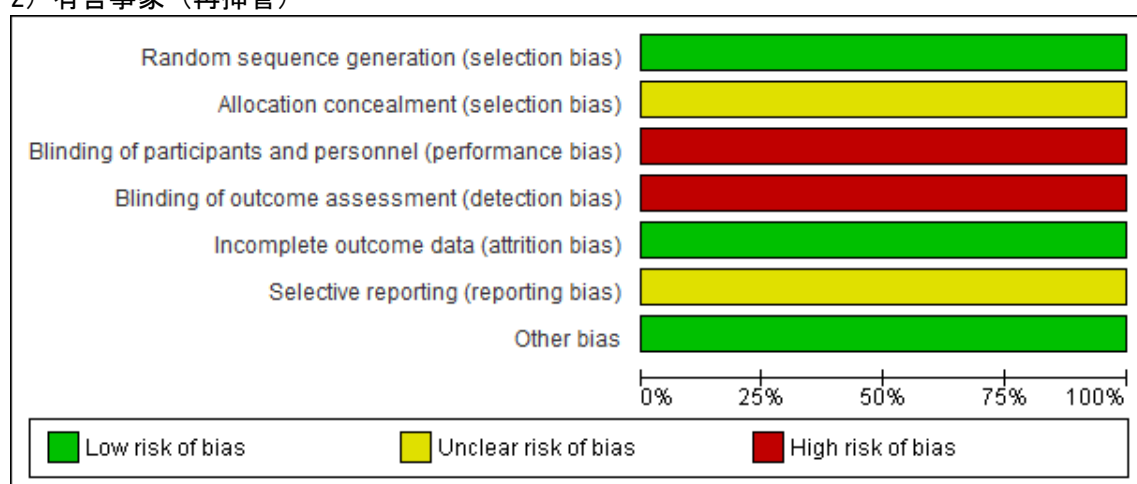


3. Risk of bias graph

1) 肺炎発生



2) 有害事象（再挿管）



4. Risk of bias summary

1) 肺炎発生

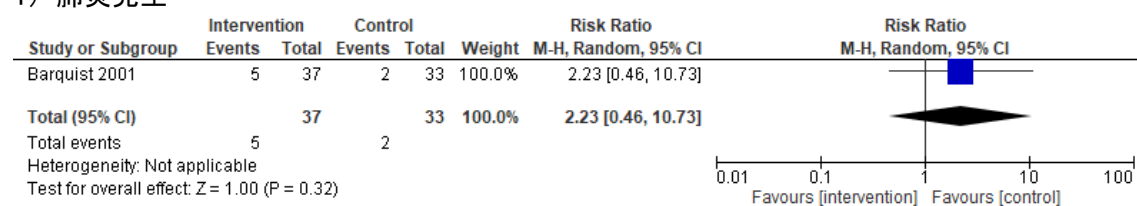
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Barquist 2001							

2) 有害事象（再挿管）

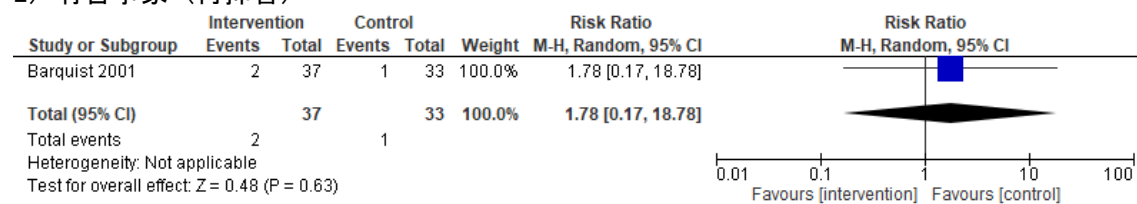
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Barquist 2001							

5. Forest plot

1) 肺炎発生

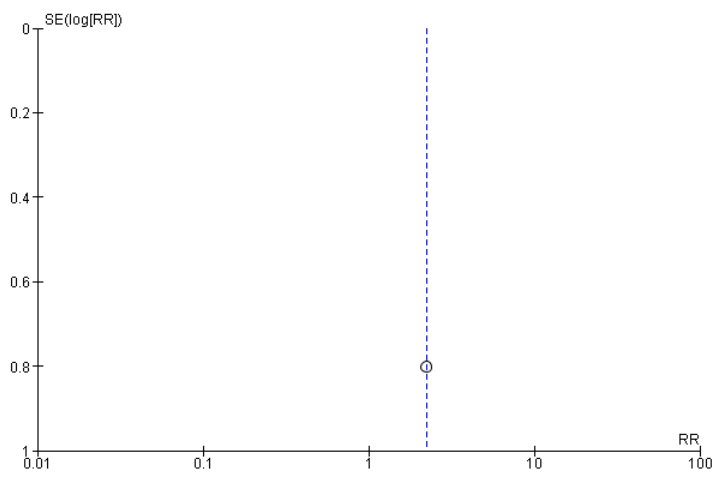


2) 有害事象（再挿管）

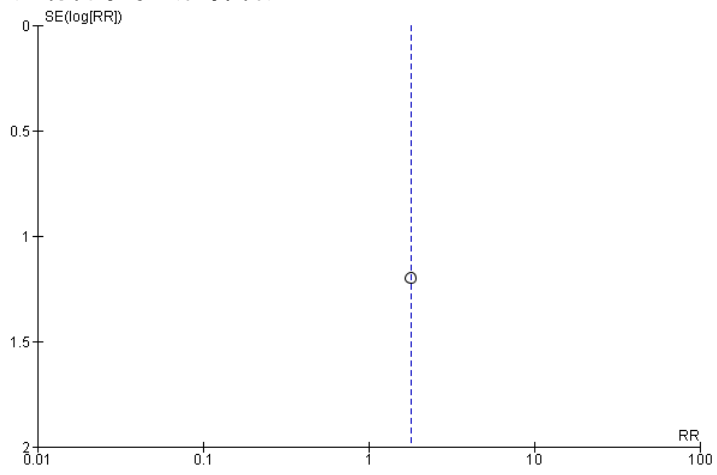


6. Funnel plot

1) 肺炎発生



2) 有害事象（再挿管）



CQ6 重症患者に対して、嚥下機能に関わるリハビリテーション治療を行うか？

1. Search methods

データベース

- MEDLINE (PubMed)
- CENTRAL
- 医中誌

PubMed search strategy (検索日 2021 年 10 月 30 日 : 1619 件)

	検索式	ヒット件数
#1	"critically ill"[tiab]	51,656
#2	"Critical Illness"[mh] OR "Critical Illness"[tiab]	39,532
#3	"Intensive Care Units"[mh] OR "intensive care unit*"[tiab]	174,666
#4	"Critical Care"[tiab] OR "Critical Care"[mh]	84,423
#5	"intensive care"[tiab] OR "ICU"[tiab]	191,617
#6	#1 OR #2 OR #3 OR #4 OR #5	291,042
#7	"cerebrovascular disorders"[mh] OR "brain injuries"[mh] OR "hemiplegia"[mh] OR "paresis"[mh] OR "dystonic disorders"[mh] OR "dystonia"[mh]	483,399
#8	"Stroke"[tiab] OR "poststroke"[tiab] OR "post-stroke"[tiab] OR "cerebrovasc*"[tiab] OR "brain vasc*"[tiab] OR "cerebral vasc*"[tiab] OR "cva"[tiab] OR "apoplex*"[tiab]	331,550
#9	"brain"[tiab] OR "cerebro*"[tiab] OR "cerebra*"[tiab] OR "cerebell*"[tiab] OR "intracran*"[tiab] OR "intracerebral"[tiab] OR "vertebrobasilar"[tiab]	1,563,021
#10	"ischemi*"[tiab] OR "ischaemi*"[tiab] OR "infarct*"[tiab] OR "thromboa*"[tiab] OR "thrombob*"[tiab] OR "thromboc*"[tiab] OR "thromboe*"[tiab] OR "thrombof*"[tiab] OR "thrombog*"[tiab] OR "thromboh*"[tiab] OR "thromboi*"[tiab] OR "thrombok*"[tiab] OR "thrombol*"[tiab] OR "thrombom*"[tiab] OR "thrombon*"[tiab] OR "thromboo*"[tiab] OR "thrombop*"[tiab] OR "thromboq*"[tiab] OR "thrombor*"[tiab] OR "thrombos*"[tiab] OR "thrombot*"[tiab] OR "thrombou*"[tiab] OR "thrombov*"[tiab] OR "thrombox*"[tiab] OR "thromboy*"[tiab] OR "thromboz*"[tiab] OR "emboli*"[tiab] OR "occlus*"[tiab]	1,170,640
#11	#9 AND #10	193,307

#12	"brain"[tiab] OR "cerebro*" [tiab] OR "cerebra*" [tiab] OR "cerebell*" [tiab] OR "intracerebral" [tiab] OR "intracranial" [tiab] OR "subarachnoid" [tiab]	1, 572, 412
#13	"haemorrhag*" [tiab] OR "hemorrhag*" [tiab] OR "haematoma*" [tiab] OR "hematoma*" [tiab] OR "bleed*" [tiab]	510, 649
#14	#12 AND #13	108, 821
#15	"brain injury" [tiab] OR "brain injuries" [tiab] OR "brain injured" [tiab]	76, 236
#16	"hemipleg*" [tiab] OR "hemipar*" [tiab] OR "paresis" [tiab] OR "paretic" [tiab] OR "dystoni*" [tiab]	56, 796
#17	"Stroke" [mh]	150, 717
#18	#7 OR #8 OR #11 OR #14 OR #15 OR #16 OR #17	753, 858
#19	"Meningitis" [mh] OR "Meningitis" [tiab] OR "meningitides" [tiab]	79, 114
#20	"Craniocerebral Trauma" [mh] OR "Brain Edema" [mh] OR "Glasgow Coma Scale" [mh] OR "Glasgow Outcome Scale" [mh] OR "Unconsciousness" [mh] OR "Cerebrovascular Trauma" [mh]	229, 394
#21	"haematoma*" [tiab] OR "hematoma*" [tiab] OR "haemorrhag*" [tiab] OR "hemorrhage*" [tiab] OR "bleed*" [tiab] OR "pressure" [tiab]	1, 312, 535
#22	"head" [tiab] OR "cranial" [tiab] OR "cerebral" [tiab] OR "brain*" [tiab] OR "intra-cranial" [tiab] OR "inter-cranial" [tiab]	1, 734, 891
#23	"diffuse axonal injury" [tiab] OR "diffuse axonal injuries" [tiab] OR "persistent vegetative state" [tiab] OR "Glasgow Outcome Scale" [tiab] OR "Glasgow Coma Scale" [tiab]	15, 729
#24	"injury*" [tiab] OR "injuries" [tiab] OR "trauma" [tiab] OR "damage" [Title/Abstract] OR "damaged" [tiab] OR "wound*" [tiab] OR "fracture*" [tiab] OR "contusion*" [tiab] OR "haematoma*" [tiab] OR "hematoma*" [tiab] OR "haemorrhag*" [tiab] OR "hemorrhag*" [tiab] OR "bleed*" [tiab] OR "pressure" [tiab]	3, 116, 299
#25	"unconscious*" [tiab] OR "coma*" [tiab] OR "concuss*" [tiab]	70, 618
#26	#24 AND #25	29, 348
#27	#20 OR #21 OR #22 OR #23 OR #26	3, 021, 276
#28	"critical illness myopath*" [all] OR "CIM" [all] OR "CIPM" [all] OR "CIP" [all]	8, 812
#29	"Critical Illness" [all] AND "polymyopath*" [all]	3
#30	"Neuromuscular Diseases" [mh] OR "Muscular Diseases" [mh]	497, 759

	OR "Demyelinating Diseases"[mh]	
#31	"muscle*[all] OR "muscul*[all]	1, 195, 363
#32	"disease*[all] OR "disorder*[all] OR "weaknes*[all]	8, 859, 383
#33	#31 AND #32	377, 372
#34	#28 OR #29 OR #30 OR #33	784, 757
#35	#6 OR #18 OR #19 OR #27 OR #34	4, 250, 779
#36	"Deglutition Disorders"[tiab] OR "Deglutition Disorders"[mh] OR "swallow disorder*[tiab] OR "swallowing dysfunction"[all] OR "swallowing difficult*[tiab] OR "dysphagia"[tiab]	73, 012
#37	(randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh]))	1, 303, 179
#38	#35 AND #36 AND #37	1, 619

CENTRAL search strategy (検索日 2021 年 10 月 30 日 : 255 件)

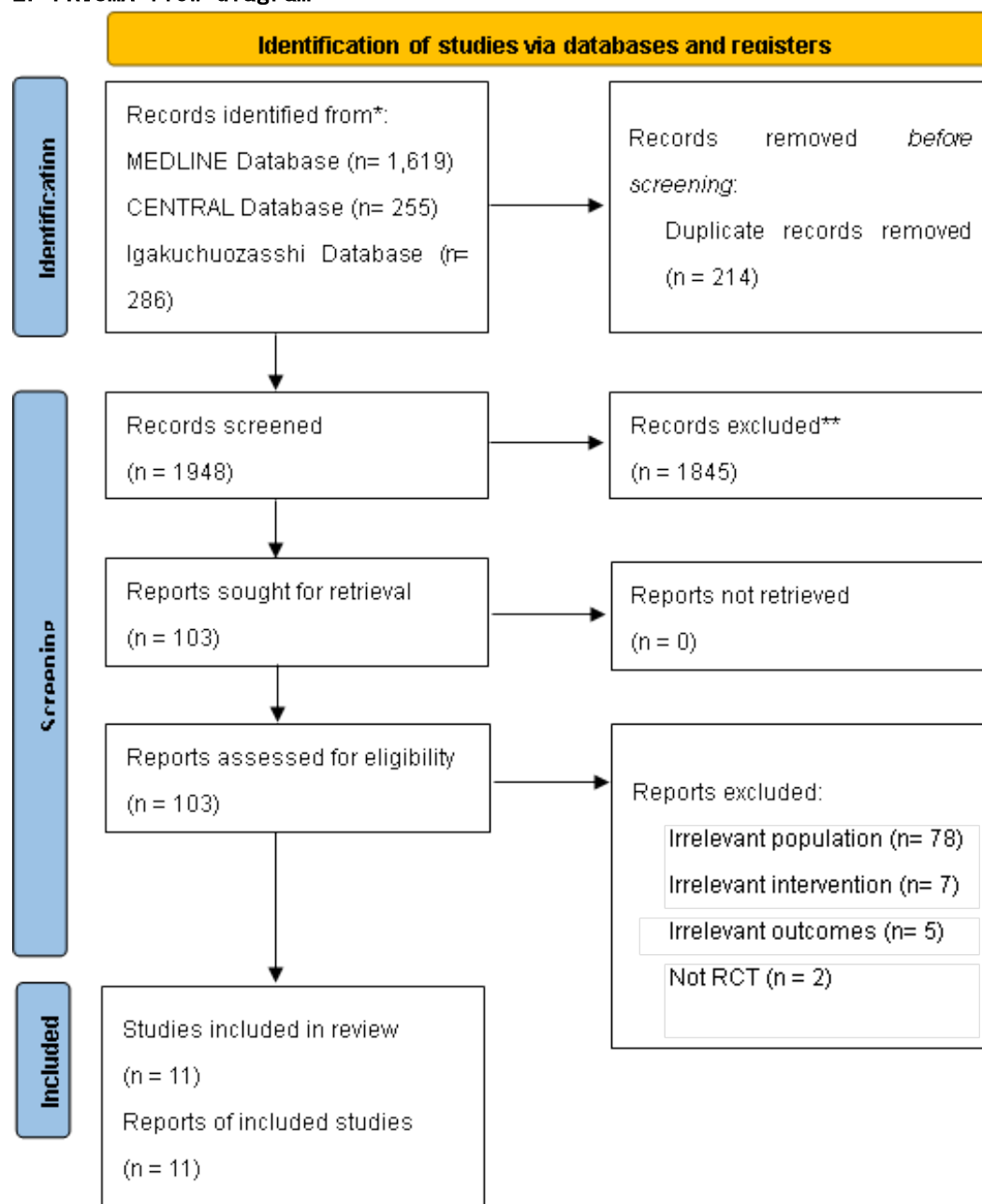
#1	MeSH descriptor: [Critical Care] explode all trees	2163
#2	MeSH descriptor: [Intensive Care Units] explode all trees	3887
#3	MeSH descriptor: [Critical Illness] explode all trees	2483
#4	#1 OR #2 OR #3	7139
#5	MeSH descriptor: [Meninges] explode all trees	298
#6	MeSH descriptor: [Craniocerebral Trauma] explode all trees	3860
#7	MeSH descriptor: [Cerebrovascular Trauma] explode all trees	33
#8	MeSH descriptor: [Brain Edema] explode all trees	206
#9	MeSH descriptor: [Glasgow Coma Scale] explode all trees	459
#10	MeSH descriptor: [Glasgow Outcome Scale] explode all trees	151
#11	MeSH descriptor: [Unconsciousness] explode all trees	933
#12	MeSH descriptor: [Cerebrovascular Disorders] explode all trees	16334
#13	MeSH descriptor: [Brain Injuries] explode all trees	2545
#14	MeSH descriptor: [Paresis] explode all trees	923
#15	MeSH descriptor: [Dystonia] explode all trees	305
#16	#5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15	21711
#17	MeSH descriptor: [Neuromuscular Diseases] explode all trees	10899

#18	MeSH descriptor: [Myositis, Inclusion Body] explode all trees	33
#19	#17 OR #18	10899
#20	MeSH descriptor: [Polyneuropathies] explode all trees	546
#21	(critical illness myopath*):ti, ab, kw	41
#22	("CIM"):ti, ab, kw	171
#23	("CIPM"):ti, ab, kw	1
#24	("CIP"):ti, ab, kw	168
#25	("critical illness"):ti, ab, kw	3825
#26	(polymyopath*):ti, ab, kw	1
#27	#21 OR #22 OR #23 OR #24	361
#28	#25 AND #26	1
#29	#27 OR #28	361
#30	#20 OR #29	898
#31	#4 OR #16 OR #19 OR #30	39570
#32	MeSH descriptor: [Deglutition Disorders] explode all trees	3013
#33	#31 AND #32	255

医中誌 search strategy (検索日 2021 年 10 月 30 日 : 286 件)

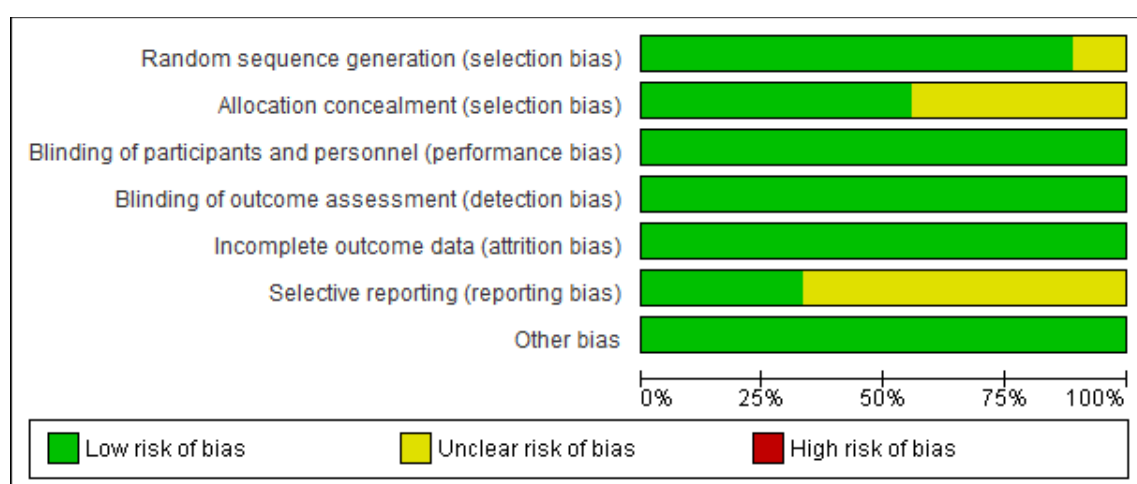
#1	重症/TA	166, 248
#2	"クリティカルケア"/TH or "critical care"/TA or 集中治療/TA	23, 807
#3	(ICU/TH or ICU/TA)	103, 481
#4	脳血管障害/TH	280, 001
#5	(髄膜炎/TH or 髄膜炎/TA)	28, 520
#6	(頭部外傷/TH or 頭部外傷/TA)	62, 975
#7	(神経筋疾患/TH or 神経筋疾患/TA)	193, 821
#8	("多発ニューロパチー"/TH or "critical illness polyneuropathy"/TA)	17, 323
#9	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	791, 593
#10	(嚥下/TH or 嚥下/TA)	43, 892
#11	嚥下障害/TH or 嚥下困難/TA or 嚥下障害/TA	57, 930
#12	嚥下機能/TA	6, 930
#13	(嚥下訓練/TH or 嚥下訓練/TA)	10, 754
#14	#10 or #11 or #12 or #13	69, 455
#15	(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)	333, 486
#16	(PT=会議録除く)	6, 163, 367
#17	#9 AND #14 AND #15 AND #16	286

2. PRISMA flow diagram

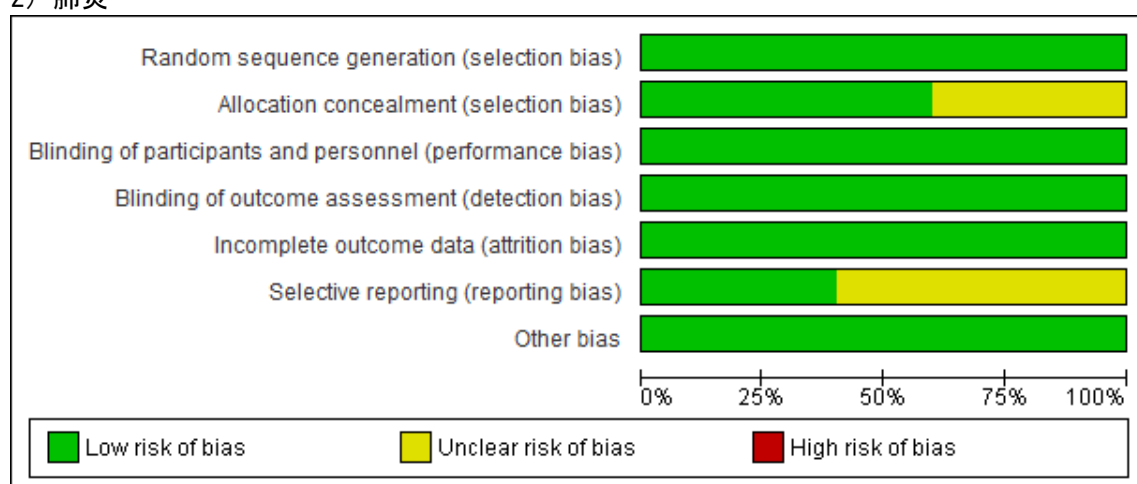


3. Risk of bias graph

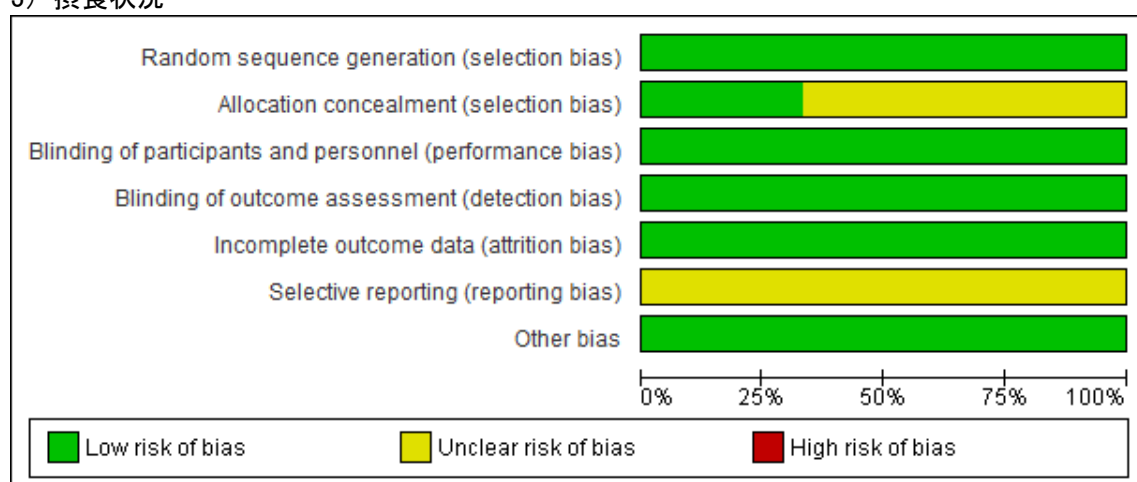
1) 死亡



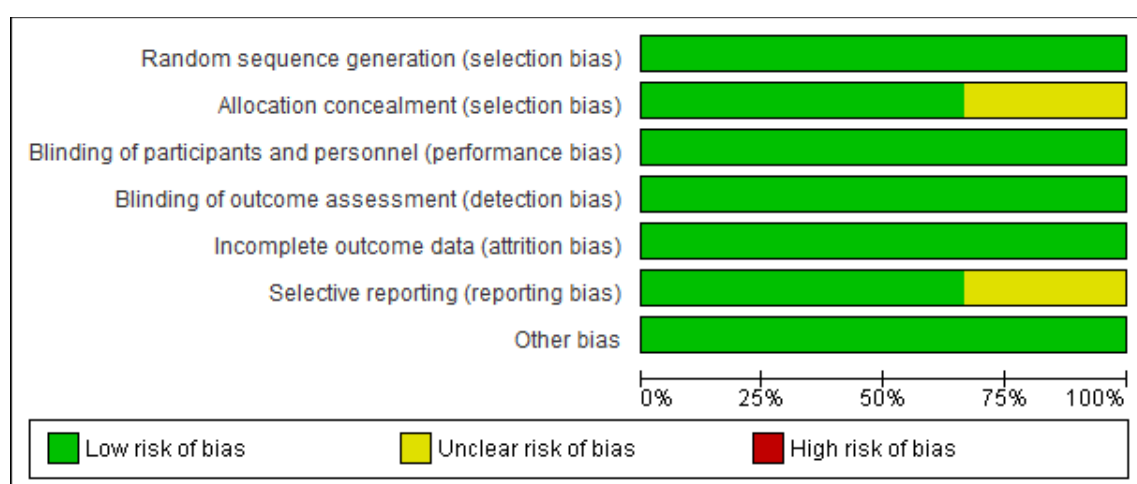
2) 肺炎



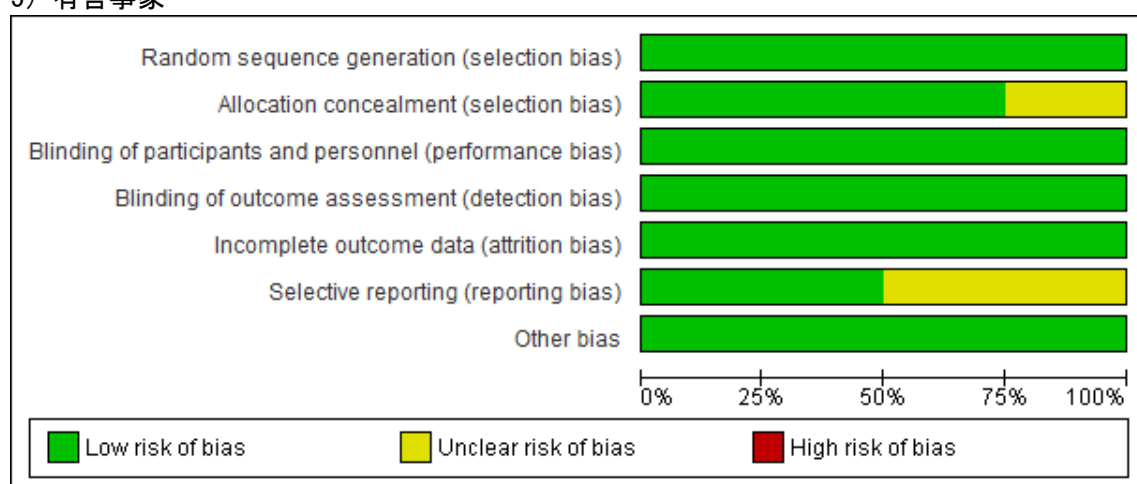
3) 摂食状況



4) 入院期間



5) 有害事象



4. Risk of bias summary

1) 死亡

	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
Carnaby 2006	+	+	+	+	+	+	+
Dziewas 2018	+	+	+	+	+	?	+
Khedr 2009	+	+	+	+	+	?	+
Khedr 2010	?	?	+	+	+	?	+
Kumar 2011	+	?	+	+	+	?	+
Suntrup 2015	+	+	+	+	+	+	+
Suntrup-Krueger 2018	+	?	+	+	+	?	+
Turra 2021	+	?	+	+	+	?	+
Vasant 2016	+	+	+	+	+	+	+

2) 肺炎

	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
Carnaby 2006	+	+	+	+	+	+	+
Dziewas 2018	+	+	+	+	+	?	+
Hwang 2007	+	?	+	+	+	?	+
Suntrup-Krueger 2018	+	?	+	+	+	?	+
Vasant 2016	+	+	+	+	+	+	+

3) 摂食状況

	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
Dziewas 2018	+	+	+	+	+	?	+
Suntrup-Krueger 2018	+	?	+	+	+	?	+
Turra 2021	+	?	+	+	+	?	+

4) 入院期間

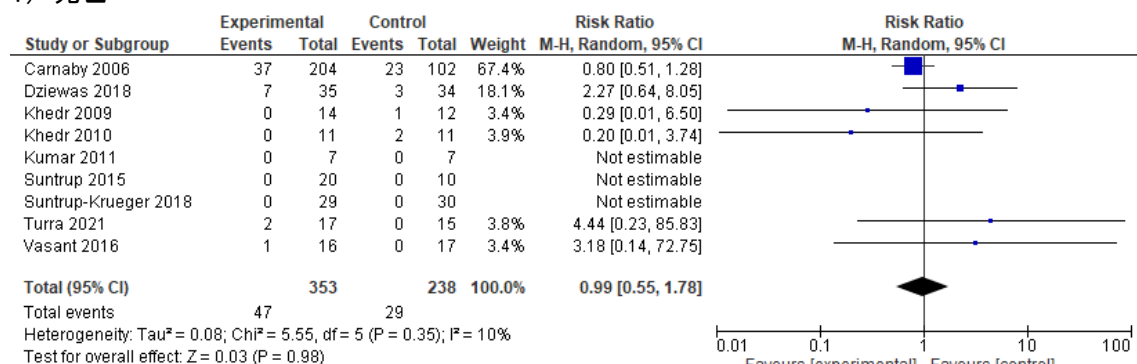
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Carnaby 2006	+	+	+	+	+	+	+
Suntrup 2015	+	+	+	+	+	+	+
Suntrup-Krueger 2018	+	?	+	+	+	?	+

5) 有害事象

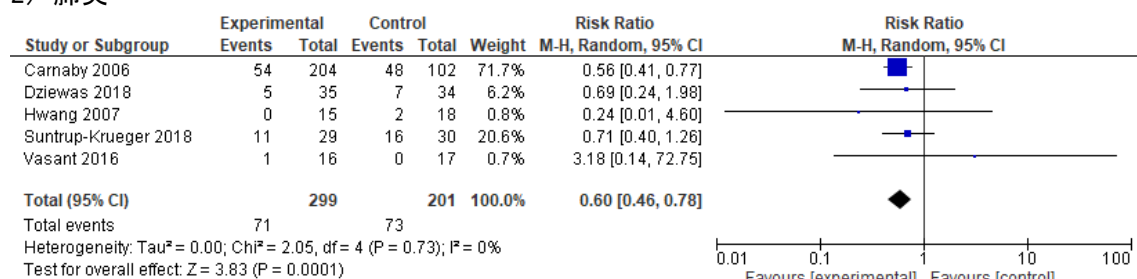
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Carnaby 2006	+	+	+	+	+	+	+
Dziewas 2018	+	+	+	+	+	?	+
Kumar 2011	+	?	+	+	+	?	+
Suntrup 2015	+	+	+	+	+	+	+

5. Forest plot

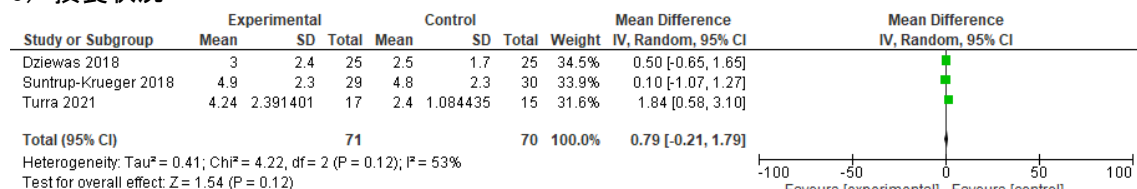
1) 死亡



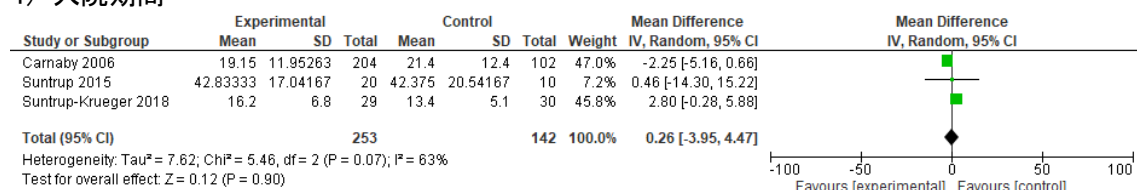
2) 肺炎



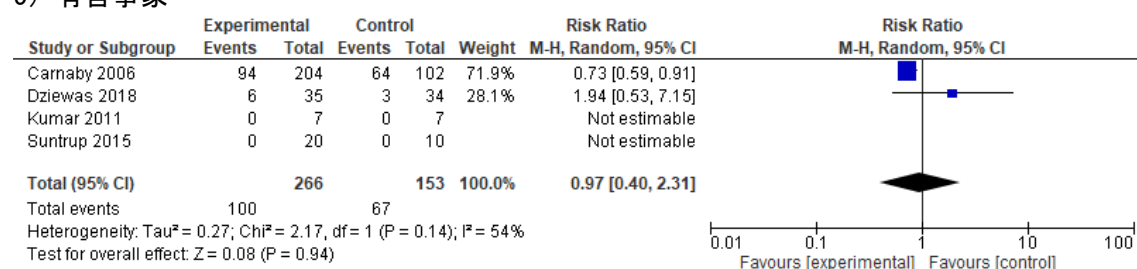
3) 摂食状況



4) 入院期間

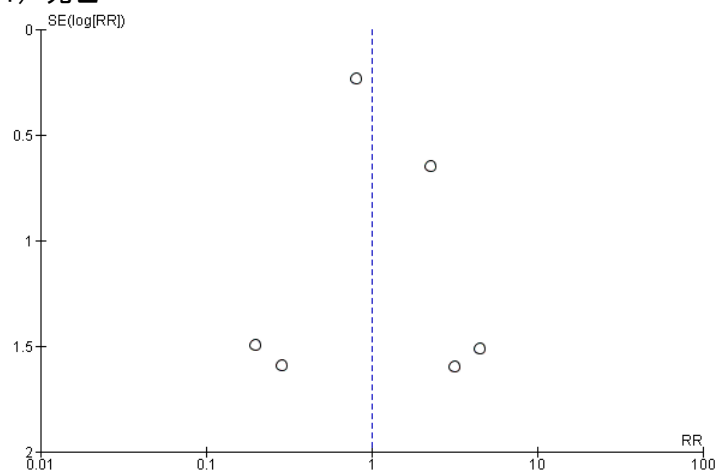


5) 有害事象

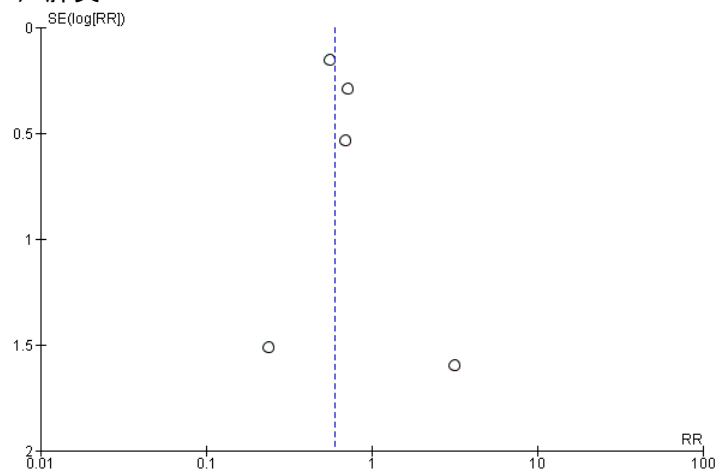


6. Funnel plot

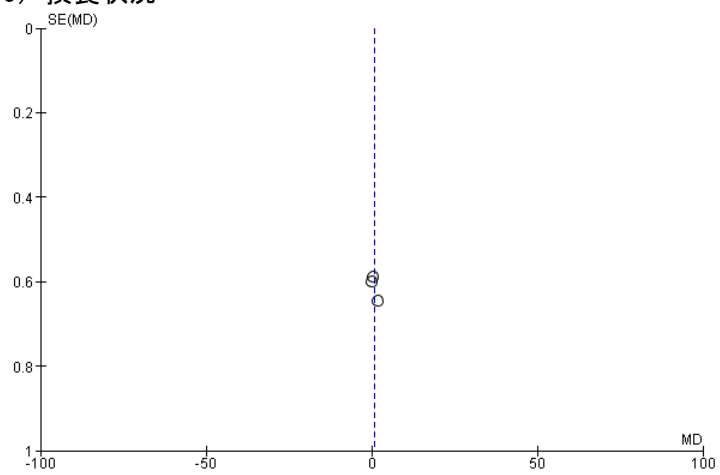
1) 死亡



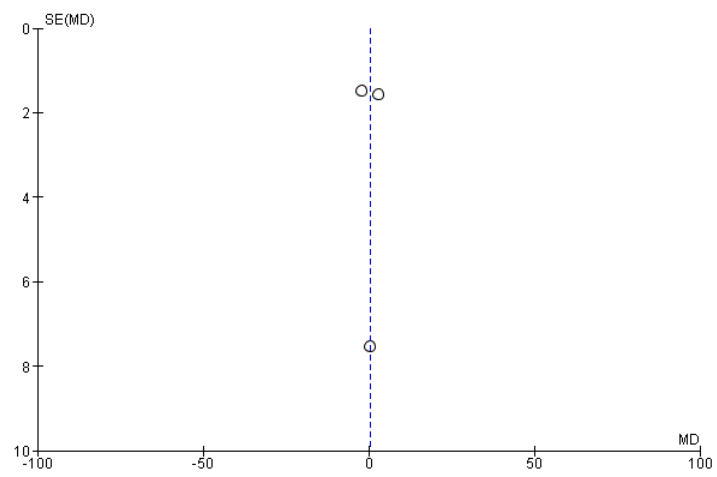
2) 肺炎



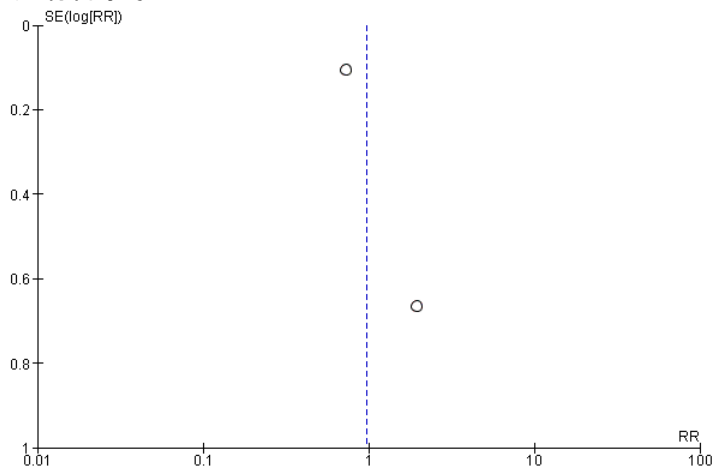
3) 摂食状況



4) 入院期間



5) 有害事象



CQ9 重症患者の治療 4～10 日目に 20kcal/kg/day 以上または消費エネルギー量の 70%以上のエネルギー量投与を行うか

1. Search methods

検索データベース

- ☒ MEDLINE (PubMed)
- ☒ CENTRAL
- ☒ 医中誌
- ☐ その他 ()

検索式とヒット数

PubMed search strategy (検索日 2021 年 11 月 02 日)

#1	"intensive care units"[MeSH Terms]	94,967
#2	"critical illness"[MeSH Terms]	33,859
#3	"critical care"[MeSH Terms]	62,323
#4	"intensive care"[Title/Abstract]	166,568
#5	"icu"[Title/Abstract]	68,328
#6	"critical ill*"[Title/Abstract]	12,014
#7	"critically ill*"[Title/Abstract]	51,609
#8	"critical care"[Title/Abstract]	36,374
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	291,073
#10	"nutritional support"[MeSH Terms]	47,208
#11	"enteral nutrition"[Title/Abstract]	9,794
#12	"parenteral nutrition"[Title/Abstract]	21,375
#13	"enteral feeding"[Title/Abstract]	5,723
#14	#10 OR #11 OR #12 OR #13	58,023
#15	"dietary proteins"[MeSH Terms]	102,686
#16	"amino acids"[MeSH Terms]	827,170
#17	"protein*"[Title/Abstract]	3,264,817
#18	"Energy Intake*"[MeSH Terms]	48,965
#19	"energy"[Title/Abstract]	712,225
#20	"trophic"[Title/Abstract]	30,472
#21	"hypocaloric"[Title/Abstract]	1,941
#22	"full feeding"[Title/Abstract]	164
#23	"underfeeding"[Title/Abstract]	712
#24	#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23	4,520,841
#25	#14 AND #24	13,688
#26	(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]))	4,554,553
#27	#9 AND #25 AND #26	1,031

CENTRAL search strategy (検索日 2021 年 11 月 03 日)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#2	MeSH descriptor: [Critical Illness] explode all trees	2466

#3	MeSH descriptor: [Critical Care] explode all trees	2157
#4	("intensive care"):ti, ab, kw	25378
#5	("icu"):ti, ab, kw	14244
#6	("critical ill*"):ti, ab, kw	97
#7	("critically ill*"):ti, ab, kw	7413
#8	("critical care"):ti, ab, kw	4200
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	35943
#10	MeSH descriptor: [Nutritional Support] explode all trees	3510
#11	("enteral nutrition"):ti, ab, kw	4569
#12	("parenteral nutrition"):ti, ab, kw	4239
#13	("enteral feeding"):ti, ab, kw	1482
#14	#10 OR #11 OR #12 OR #13	8643
#15	MeSH descriptor: [Dietary Proteins] explode all trees	4292
#16	MeSH descriptor: [Amino Acids] explode all trees	22199
#17	("protein*"):ti, ab, kw	84217
#18	MeSH descriptor: [Energy Intake] explode all trees	5656
#19	("energy"):ti, ab, kw	36, 870
#20	("trophic"):ti, ab, kw	415
#21	("hypocaloric"):ti, ab, kw	1146
#22	("full feeding"):ti, ab, kw	87
#23	("underfeeding"):ti, ab, kw	85
#24	#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23	134037
#25	#14 AND #24	3151
#31	#9 AND #25	912

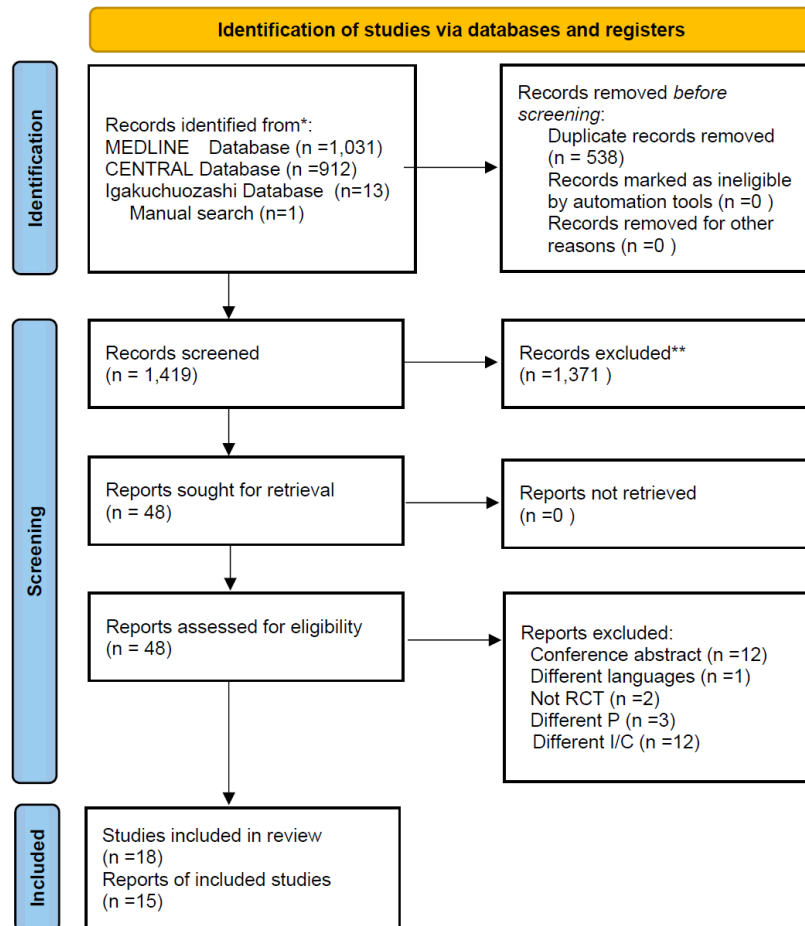
医学中央雑誌 search strategy (検索日 2021 年 11 月 2 日)

#1	(ICU/TH or ICU/TA) and (PT=会議録除く)	51, 885
#2	((危篤/TH or 危篤/TA) and (PT=会議録除く)	194
#3	((クリティカルケア/TH or クリティカルケア/TA) and (PT=会議録除く)	6, 958
#4	#1 or #2 or #3	57, 043
#5	(栄養補助/TH or 栄養補助/TA) and (PT=会議録除く)	22, 173
#6	(経腸栄養/TA) and (PT=会議録除く)	6, 632
#7	(静脈栄養/TA) and (PT=会議録除く)	5, 232
#8	#5 or #6 or #7	25, 534
#9	((食品中のタンパク質/TH or 食品中のタンパク質/TA) and (PT=会議録除く)	5, 972
#10	((("Amino Acids"/TH or "Amino Acids"/TA) and (PT=会議録除く)	52, 993
#11	((タンパク質/TH or タンパク質/TA) and (PT=会議録除く)	614, 546
#12	(タンパク質摂取量/TA) and (PT=会議録除く)	88
#13	(たんぱく質補給/TA) and (PT=会議録除く)	4
#14	((エネルギー摂取量/TH or エネルギー摂取量/TA) and (PT=会議録除く)	7, 795
#15	(エネルギー/TA) and (PT=会議録除く)	20, 580
#16	(trophic/TA) and (PT=会議録除く)	2, 313

#17	(hypocaloric/TA) and (PT=会議録除く)	6
#18	(full/AL and (給餌/TH or feeding/TA)) and (PT=会議録除く)	22
#19	(underfeeding/TA) and (PT=会議録除く)	27
#20	#9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19	670, 165
#21	#8 and #20	4, 638
#22	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/AL and ロール/AL or 臨床研究/AL	142, 934
#23	#4 and #21 and #22	13

2. PRISMA flow diagram

PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only



*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers).

**If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

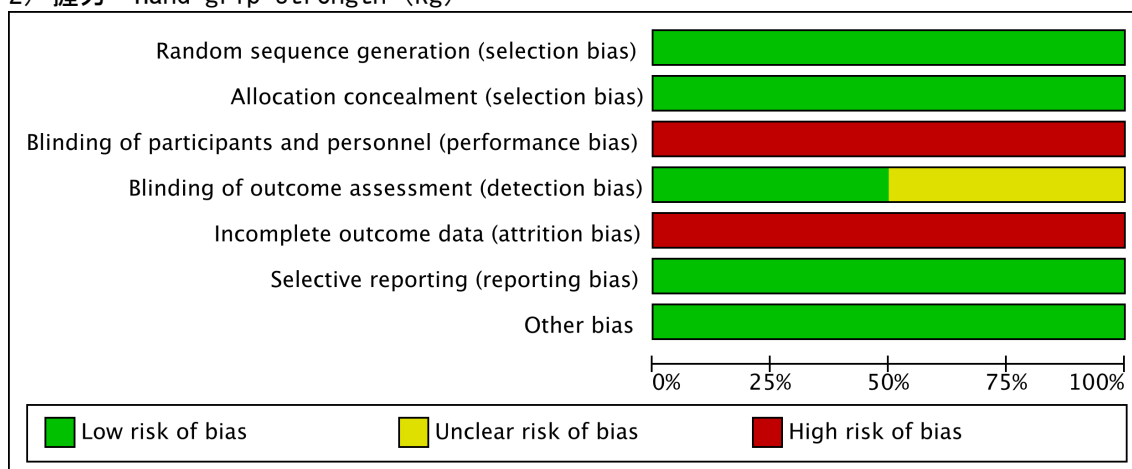
From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71. doi: 10.1136/bmj.n71

For more information, visit: <http://www.prisma-statement.org/>

3. Risk of bias graph

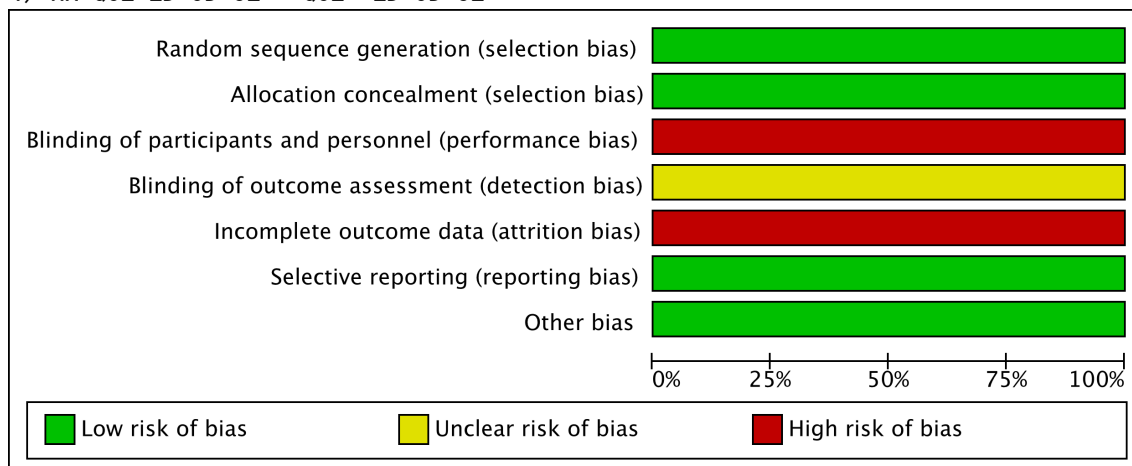
1) ADL スコア : アウトカムなし ADL score

2) 握力 Hand grip strength (kg)

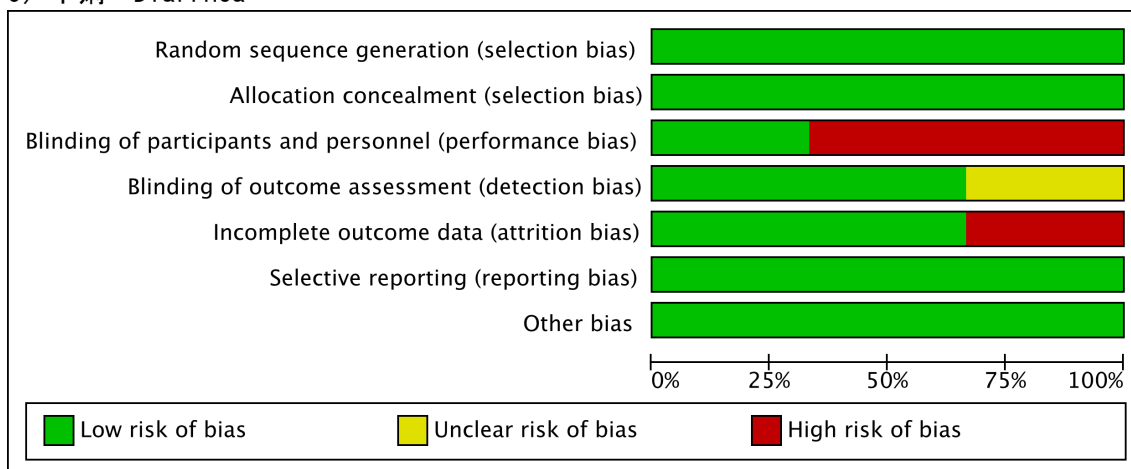


3) 筋肉量の変化 : アウトカムなし Muscle volume change

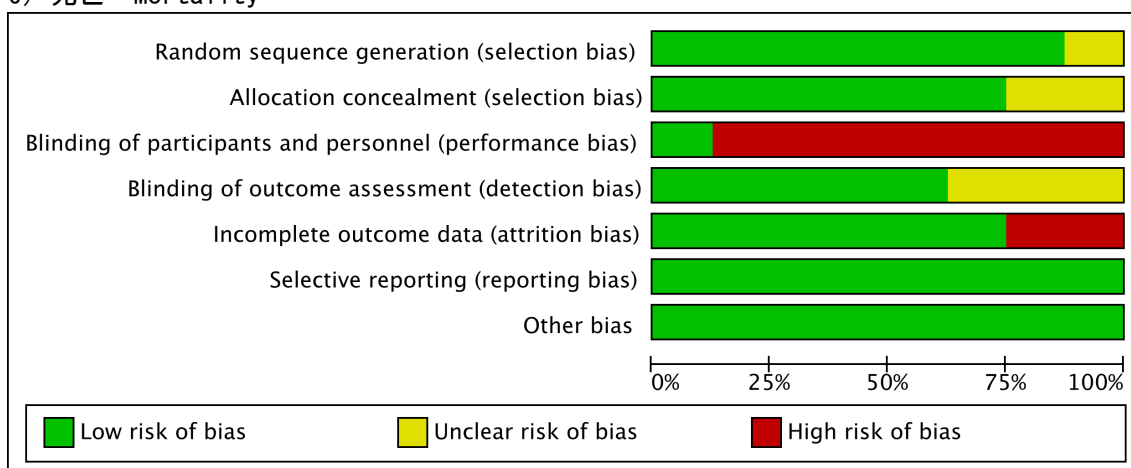
4) HR-QOL ED-5D-3L QOL: ED-5D-3L



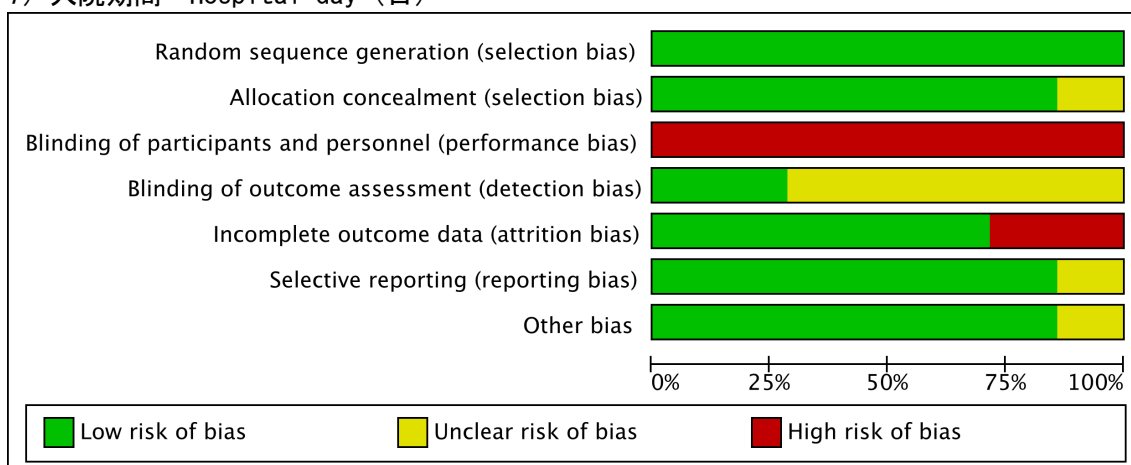
5) 下痢 Diarrhea



6) 死亡 Mortality



7) 入院期間 Hospital day (日)



4. Risk of bias summary

1) ADL スコア : アウトカムなし

2) 握力

	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
Needham(2) 2013							
Ridley 2018							

3) 筋肉量の変化：アウトカムなし

4) HR-QOL ED-5D-3L

	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
Needham 2013							
Ridley 2018							

5) 下痢

	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
Arabi(2) 2015	+	+	-	?	+	+	+
Petros 2016	+	+	-	+	+	+	+
Rugeles 2016	+	+	+	+	-	+	+

6) 死亡

	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
Allingstrup 2017	+	+	-	+	+	+	+
Arabi(2) 2015	+	+	-	?	+	+	+
Arabi 2011	+	+	-	?	+	+	+
Mousavian 2020	+	?	-	+	-	+	+
Petros 2016	+	+	-	+	+	+	+
Rice(3) 2012	+	+	-	+	+	+	+
Rugeles 2016	+	+	+	+	-	+	+
Wang 2020	?	?	-	?	+	+	+

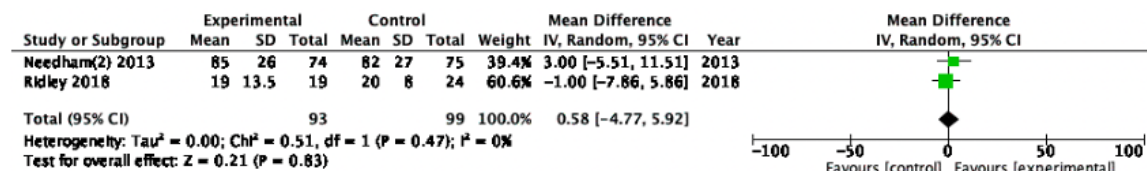
7) 入院期間

	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
Allingstrup 2017	+	+	-	+	+	+	+
Arabi 2011	+	+	-	?	+	+	+
Braunschweig 2015	+	+	-	?	+	+	?
Charles 2014	+	+	-	?	+	?	+
McKeever 2020	+	+	-	?	+	+	+
Mousavian 2020	+	?	-	+	-	+	+
Ridley 2018	+	+	-	?	-	+	+

5. Forest plot

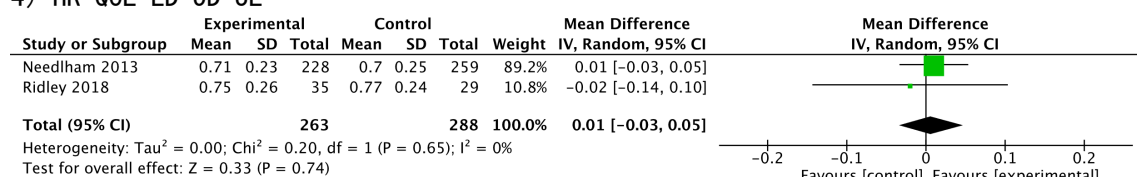
1) ADL スコア : アウトカムなし

2) 握力

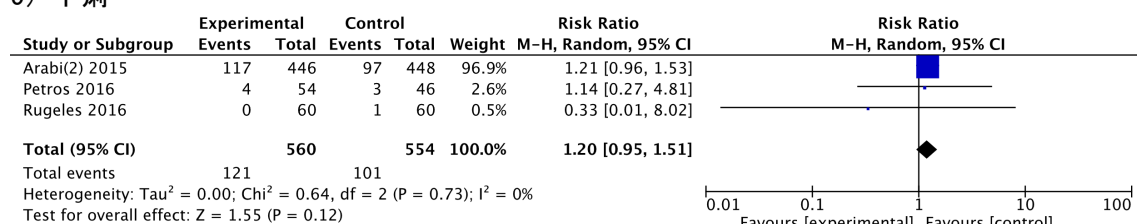


3) 筋肉量の変化 : アウトカムなし

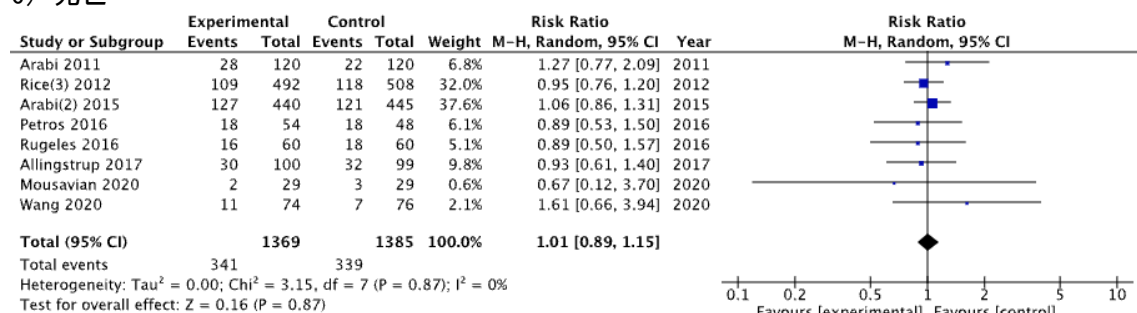
4) HR-QOL ED-5D-3L



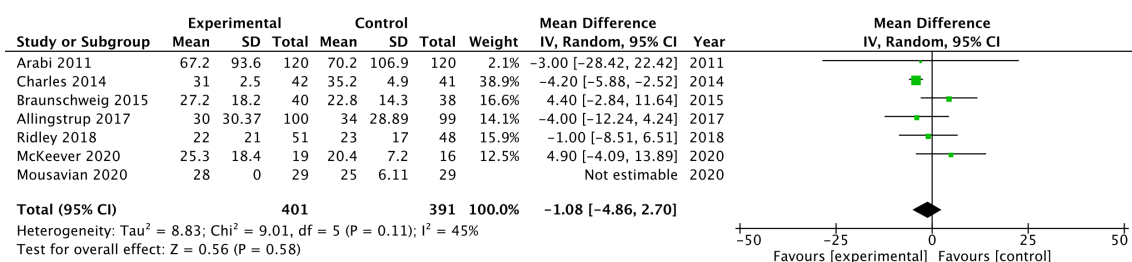
5) 下痢



6) 死亡



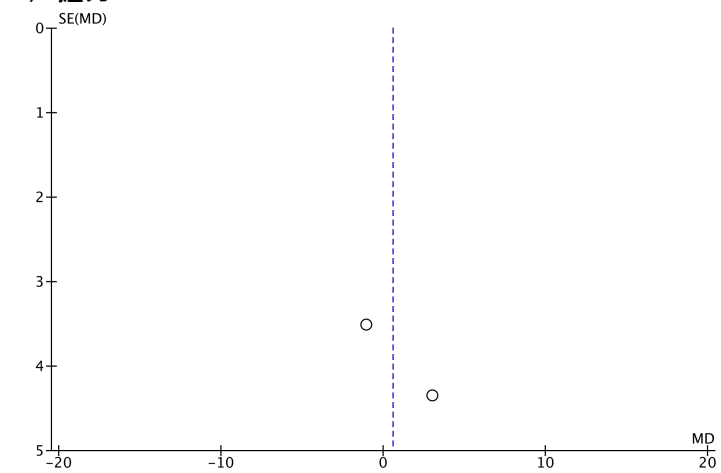
7) 入院期間



6. Funnel plot

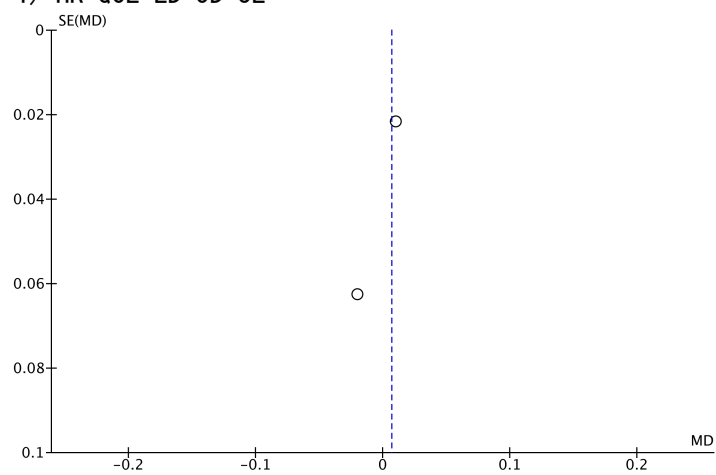
1) ADL スコア : アウトカムなし

2) 握力

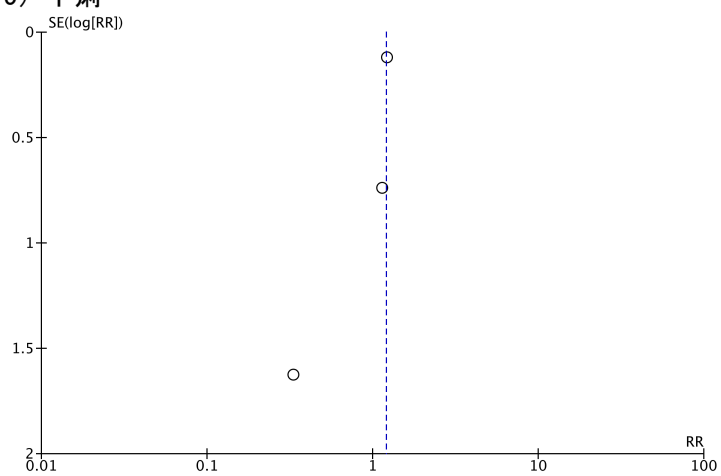


3) 筋肉量の変化 : アウトカムなし

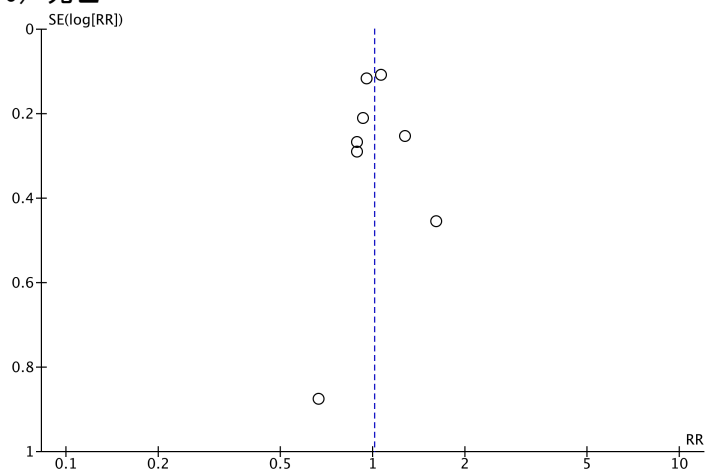
4) HR-QOL ED-5D-3L



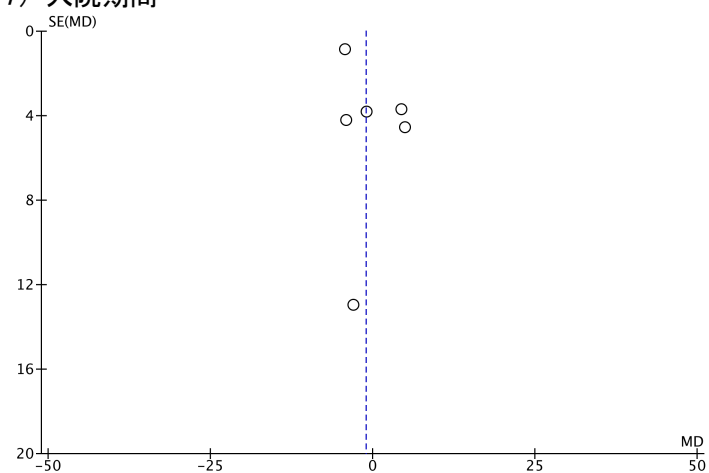
5) 下痢



6) 死亡



7) 入院期間



CQ10 重症患者の治療 4~10 日目に 1g/kg/day 以上のタンパク質量投与を行うか

1. Search methods

検索データベース

- ☒ MEDLINE (PubMed)
- ☒ CENTRAL
- ☒ 医中誌
- ☐ その他 ()

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#7	"critically ill*"[Title/Abstract]	51,609
#8	"critical care"[Title/Abstract]	36,374
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	291,073
#10	"nutritional support"[MeSH Terms]	47,208
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#12	"parenteral nutrition"[Title/Abstract]	21,375
#13	"enteral feeding"[Title/Abstract]	5,723
#14	#10 OR #11 OR #12 OR #13	58,023
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#16	"amino acids"[MeSH Terms]	827,170
#17	"protein*"[Title/Abstract]	3,264,817
#18	"Energy Intake*"[MeSH Terms]	48,965
#19	"energy"[Title/Abstract]	712,225
#20	"trophic"[Title/Abstract]	30,472
#21	"hypocaloric"[Title/Abstract]	1,941
#22	"full feeding"[Title/Abstract]	164
#23	"underfeeding"[Title/Abstract]	712
#24	#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23	4,520,841
#25	#14 AND #24	13,688
#26	(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]))	4,554,553
#27	#9 AND #25 AND #26	1,031

CENTRAL search strategy (検索日 2021 年 11 月 03 日)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#2	MeSH descriptor: [Critical Illness] explode all trees	2466
#3	MeSH descriptor: [Critical Care] explode all trees	2157
#4	("intensive care"):ti,ab,kw	25378

#5	("icu"):ti, ab, kw	14244
#6	("critical ill*"):ti, ab, kw	97
#7	("critically ill*"):ti, ab, kw	7413
#8	("critical care"):ti, ab, kw	4200
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	35943
#10	MeSH descriptor: [Nutritional Support] explode all trees	3510
#11	("enteral nutrition"):ti, ab, kw	4569
#12	("parenteral nutrition"):ti, ab, kw	4239
#13	("enteral feeding"):ti, ab, kw	1482
#14	#10 OR #11 OR #12 OR #13	8643
#15	MeSH descriptor: [Dietary Proteins] explode all trees	4292
#16	MeSH descriptor: [Amino Acids] explode all trees	22199
#17	("protein*"):ti, ab, kw	84217
#18	MeSH descriptor: [Energy Intake] explode all trees	5656
#19	("energy"):ti, ab, kw	36, 870
#20	("trophic"):ti, ab, kw	415
#21	("hypocaloric"):ti, ab, kw	1146
#22	("full feeding"):ti, ab, kw	87
#23	("underfeeding"):ti, ab, kw	85
#24	#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23	134037
#25	#14 AND #24	3151
#31	#9 AND #25	912

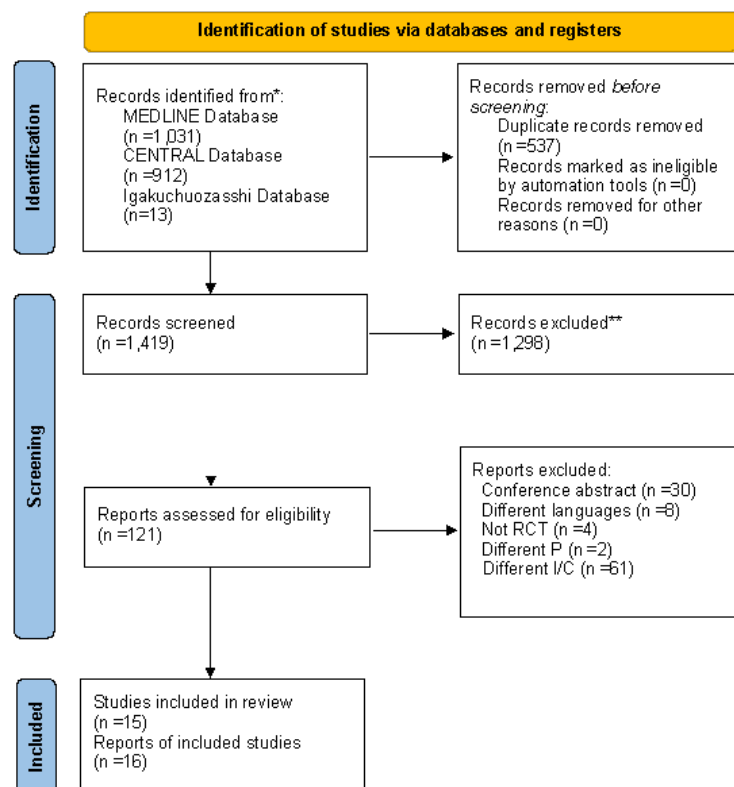
医学中央雑誌 search strategy (検索日 2021 年 11 月 2 日)

#1	(ICU/TH or ICU/TA)) and (PT=会議録除く)	51, 885
#2	((危篤/TH or 危篤/TA)) and (PT=会議録除く)	194
#3	((クリティカルケア/TH or クリティカルケア/TA)) and (PT=会議録除く)	6, 958
#4	#1 or #2 or #3	57, 043
#5	(栄養補助/TH or 栄養補助/TA)) and (PT=会議録除く)	22, 173
#6	(経腸栄養/TA) and (PT=会議録除く)	6, 632
#7	(静脈栄養/TA) and (PT=会議録除く)	5, 232
#8	#5 or #6 or #7	25, 534
#9	((食品中のタンパク質/TH or 食品中のタンパク質/TA)) and (PT=会議録除く)	5, 972
#10	((("Amino Acids"/TH or "Amino Acids"/TA)) and (PT=会議録除く)	52, 993
#11	((タンパク質/TH or タンパク質/TA)) and (PT=会議録除く)	614, 546
#12	(タンパク質摂取量/TA) and (PT=会議録除く)	88
#13	(たんぱく質補給/TA) and (PT=会議録除く)	4
#14	((エネルギー摂取量/TH or エネルギー摂取量/TA)) and (PT=会議録除く)	7, 795
#15	(エネルギー/TA) and (PT=会議録除く)	20, 580
#16	(trophic/TA) and (PT=会議録除く)	2, 313
#17	(hypocaloric/TA) and (PT=会議録除く)	6
#18	(full/AL and (給餌/TH or feeding/TA)) and (PT=会議録除く)	22

#19	(underfeeding/TA) and (PT=会議録除く)	27
#20	#9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19	670,165
#21	#8 and #20	4,638
#22	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/AL and ロール/AL or 臨床研究/AL	142,934
#23	#4 and #21 and #22	13

2. PRISMA flow diagram

PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only



*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers).

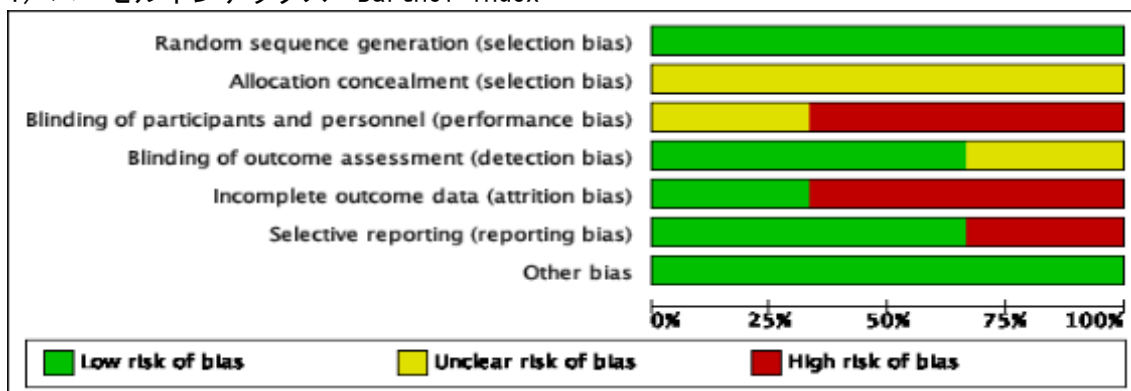
**If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71. doi: 10.1136/bmj.n71

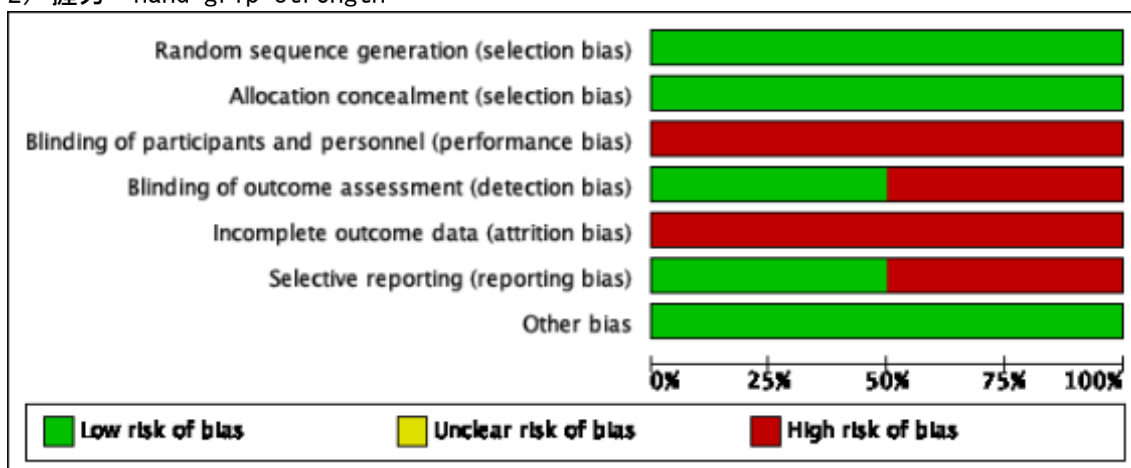
For more information, visit: <http://www.prisma-statement.org/>

3. Risk of bias graph

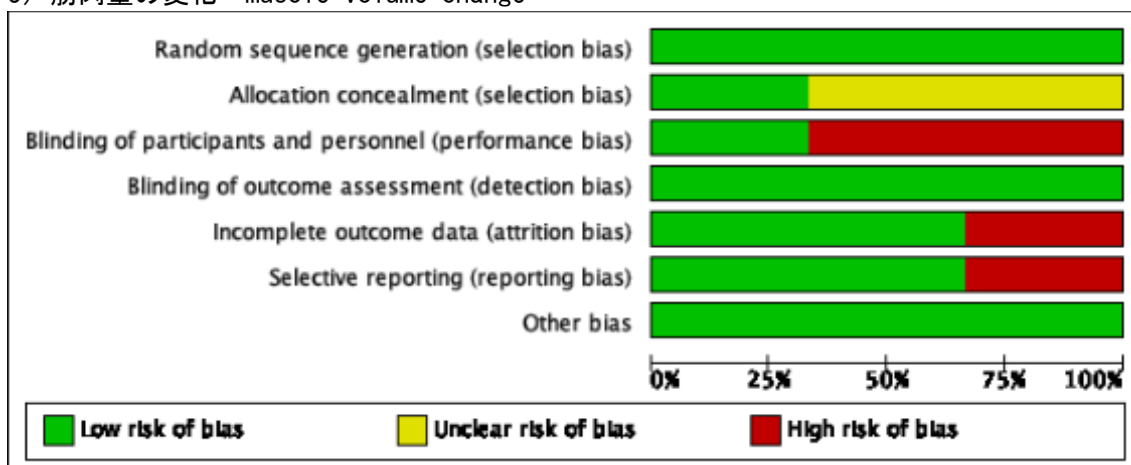
1) バーセルインデックス Barthel index



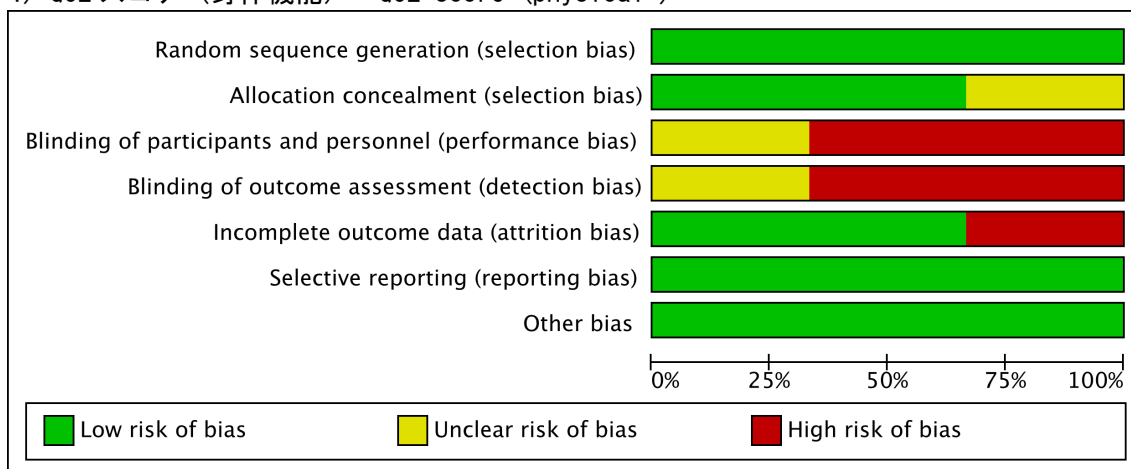
2) 握力 hand grip strength



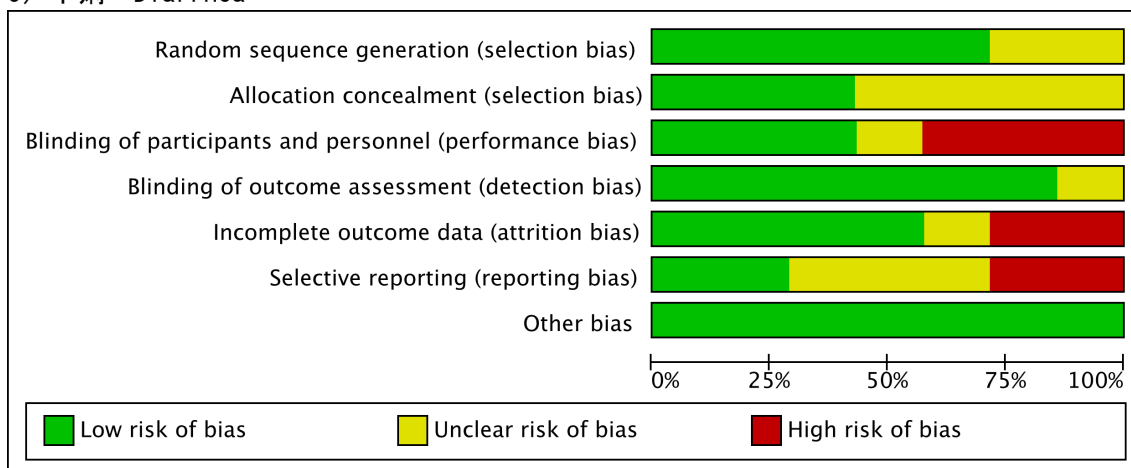
3) 筋肉量の変化 muscle volume change



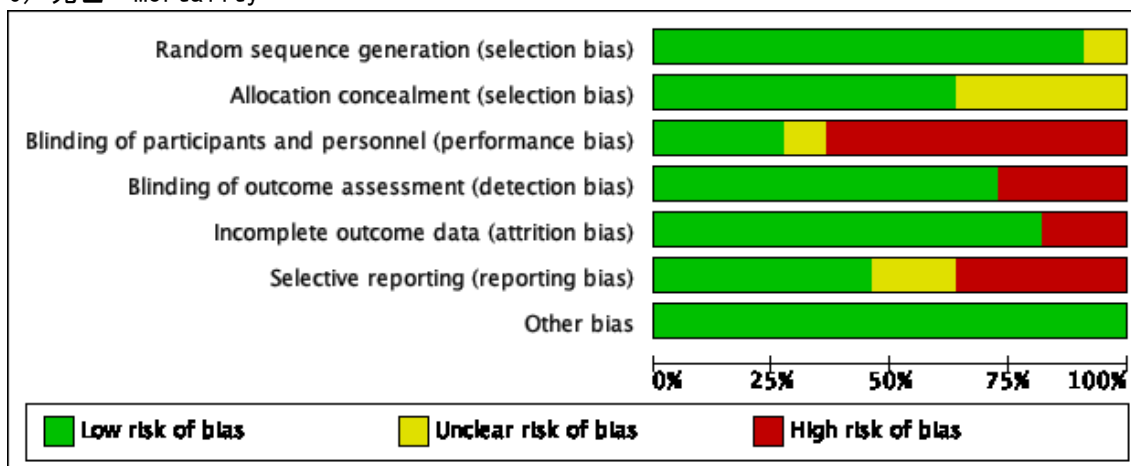
4) QOL スコア（身体機能） QOL score (physical)



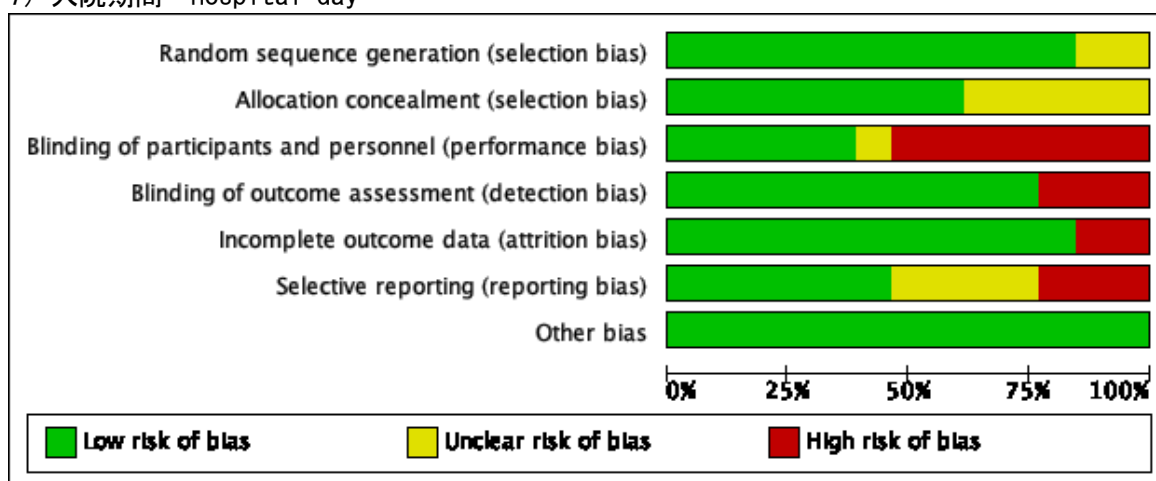
5) 下痢 Diarrhea



6) 死亡 Mortality



7) 入院期間 hospital day



4. Risk of bias summary

1) バースラインデックス

	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
K. Nakamura 2019							
K. Nakamura 2021							
Wischmeyer 2017							

2) 握力

	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
Fetterplace 2018							
Ridley 2018							

3) 筋肉量の変化

	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
Ferrie 2016	+	+	+	+	+	+	+
K. Nakamura 2019	+	?	+	+	+	+	+
K. Nakamura 2021	+	?	+	+	+	+	+

4) QOL スコア（身体機能）

	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
Doig GS 2015	+	+	+	+	+	+	+
Wischmeyer 2017	+	?	?	?	+	+	+
Zhu R 2018	+	+	+	+	+	+	+

5) 下痢

	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
Beale RJ 2008	?	?	+	+	-	?	+
Fetterplace 2018	+	+	-	+	+	-	+
Jakob 2017	+	+	+	+	+	+	+
K. Nakamura 2019	+	?	-	+	-	+	+
K. Nakamura 2021	+	?	-	+	+	-	+
P. Tuncay 2018	?	?	?	?	?	?	+
van Zanten 2018	+	+	+	+	+	?	+

6) 死亡

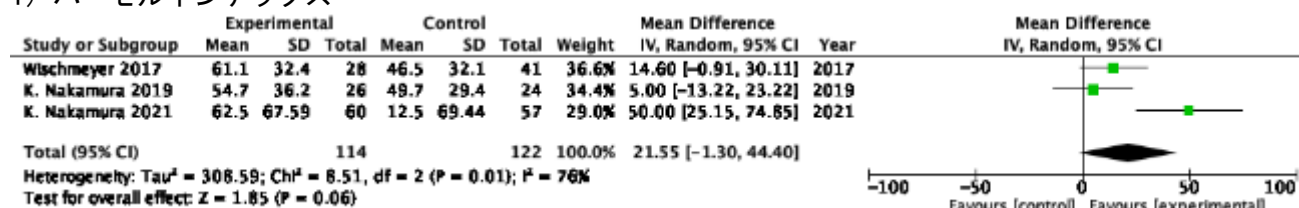
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Beale RJ 2008	?	?	+	+	-	?	+
Dolg GS 2015	+	+	-	-	+	+	+
Ferrie 2016	+	+	+	+	+	-	+
Fetterplace 2018	+	+	-	+	+	-	+
K. Nakamura 2019	+	?	-	+	-	+	+
K. Nakamura 2021	+	?	-	+	+	-	+
M.M. Berger 2019	+	+	-	+	+	+	+
Ridley 2018	+	+	-	-	+	-	+
van Zanten 2018	+	+	+	+	+	?	+
Wischmeyer 2017	+	?	?	+	+	+	+
Zhu R 2018	+	+	-	-	+	+	+

7) 入院期間

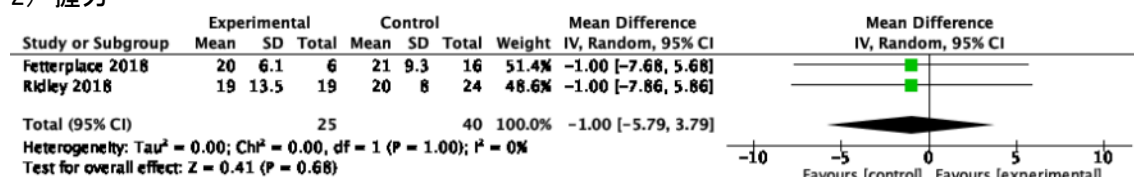
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Beale RJ 2008	?	?	+	+	-	?	+
Doig GS 2015	+	+	-	-	+	+	+
Ferrie 2016	+	+	+	+	+	?	+
Fetterplace 2018	+	+	-	+	+	-	+
Jakob 2017	+	+	+	+	+	+	+
K. Nakamura 2019	+	?	-	+	-	+	+
K. Nakamura 2021	+	?	-	+	+	-	+
M.M. Berger 2019	+	+	-	+	+	+	+
Reilly J 1990	?	?	+	+	+	?	+
Ridley 2018	+	+	-	-	+	-	+
van Zanten 2018	+	+	+	+	+	?	+
Wischmeyer 2017	+	?	?	+	+	+	+
Zhu R 2018	+	+	-	-	+	+	+

5. Forest plot

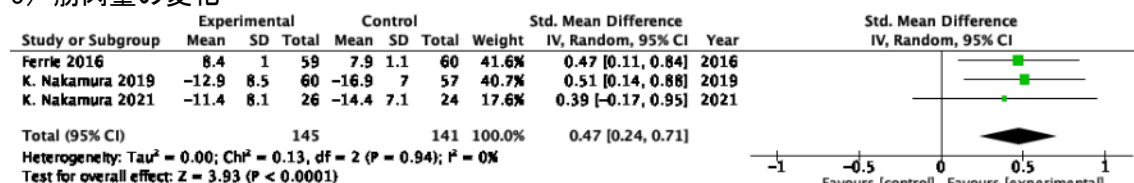
1) バースレインデックス



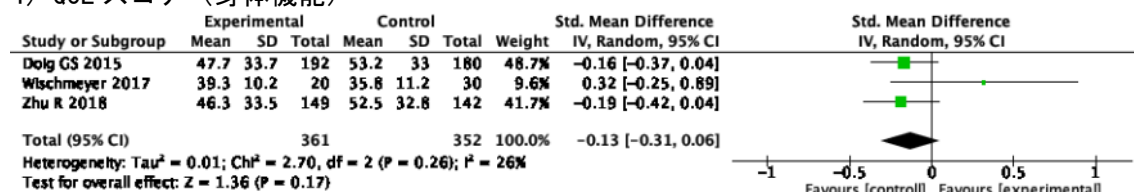
2) 握力



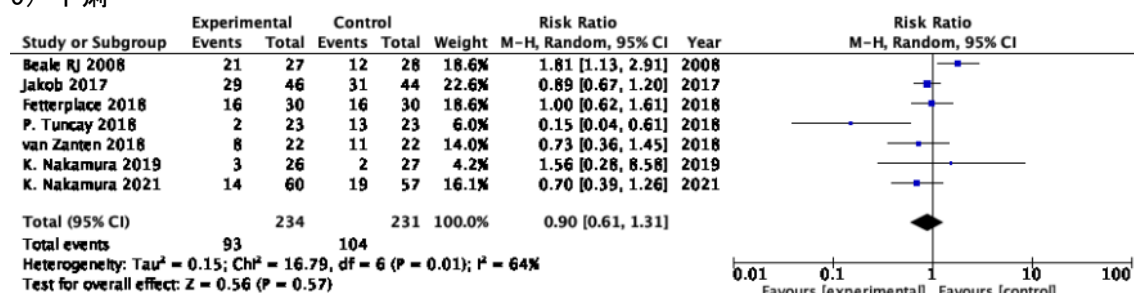
3) 筋肉量の変化



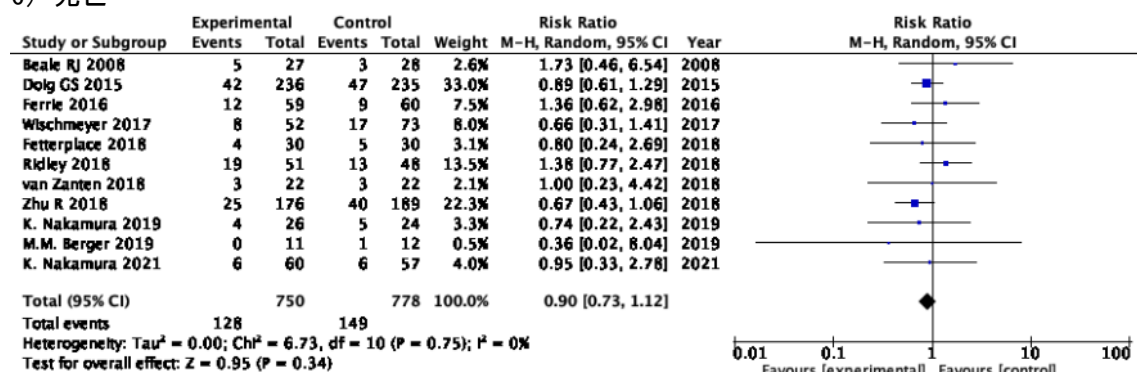
4) QOL スコア（身体機能）



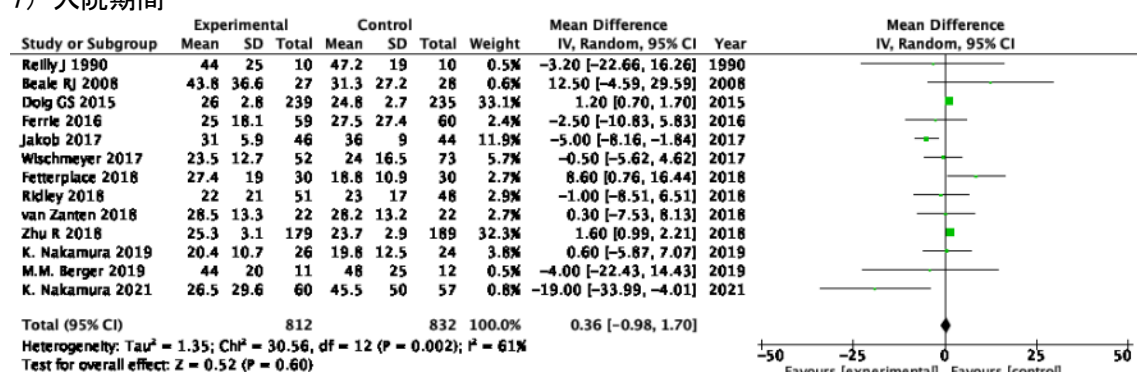
5) 下痢



6) 死亡

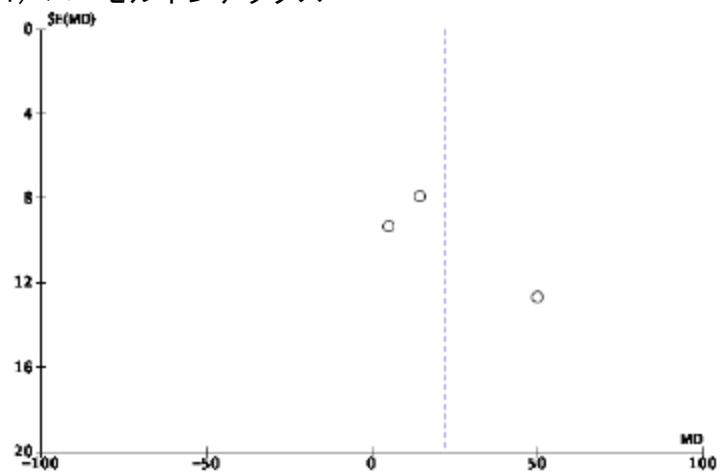


7) 入院期間

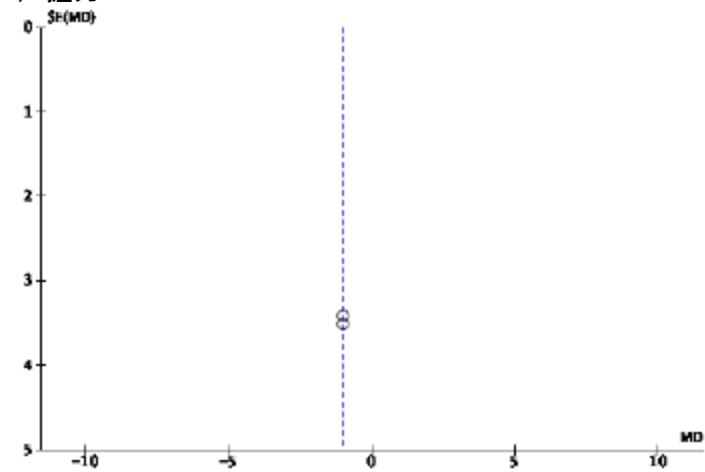


6. Funnel plot

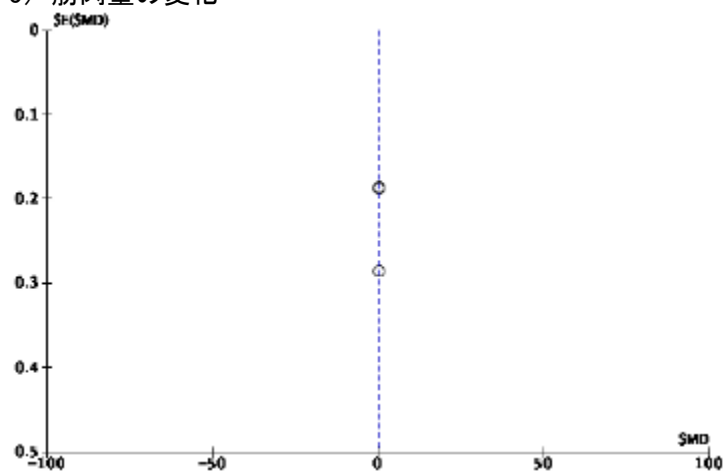
1) バーセルインデックス



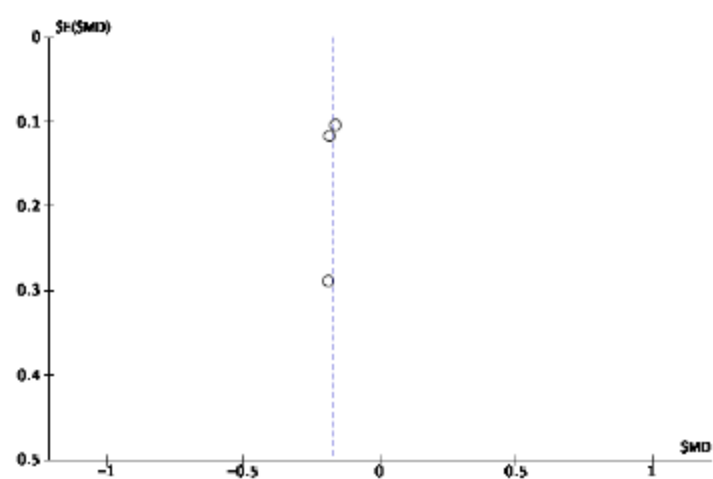
2) 握力



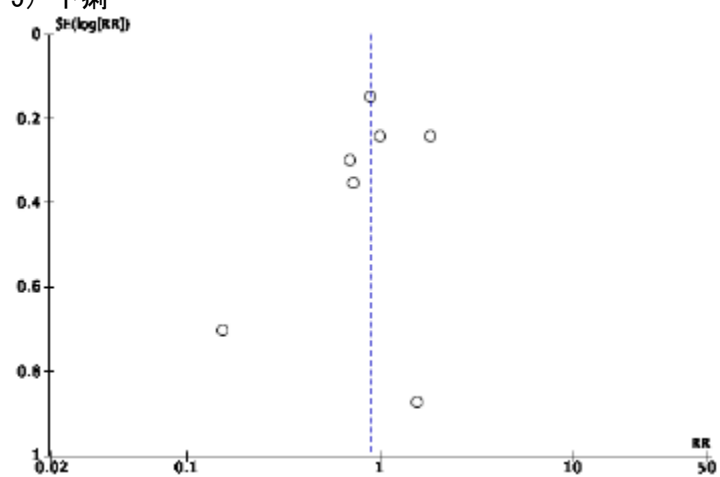
3) 筋肉量の変化



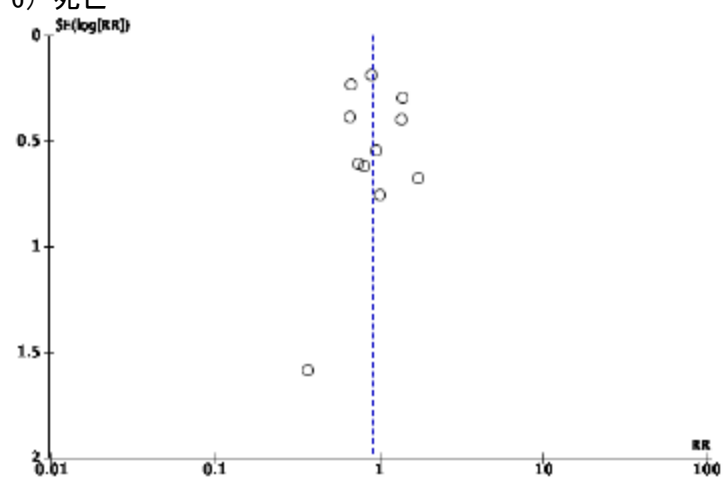
4) QOL スコア（身体機能）



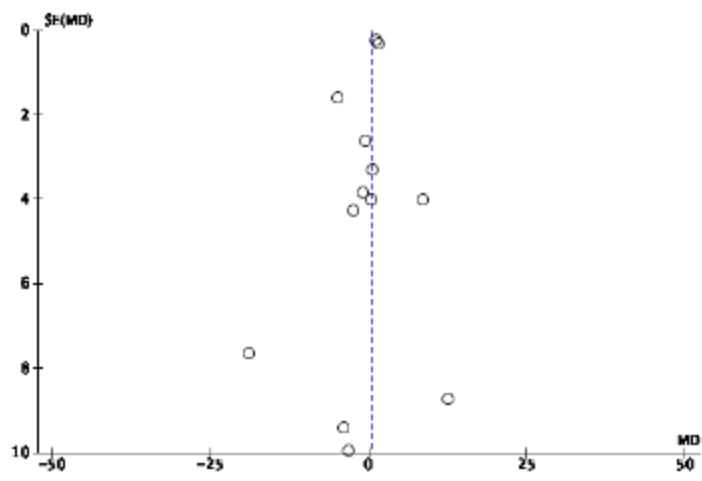
5) 下痢



6) 死亡



7) 入院期間



CQ11 小児 ICU 患者に早期リハビリテーションを行うか？

1. Search methods

検索データベース

■MEDLINE (PubMed)

■CENTRAL

■医学中央雑誌

□その他 ()

検索式とヒット数

PubMed search strategy (検索日 2021 年 10 月 29 日)

#1	(Intensive Care Units[mh] OR Critical Illness[mh] OR Critical Care[mh] OR "intensive care" [tiab] OR icu[tiab] OR critical ill*[tiab] OR critically ill*[tiab] OR "critical care"[tiab])	291,263
#2	(Child[mh] OR Adolescent[mh] OR Infant[mh] OR Child, Preschool[mh] NOT Infant, Premature[mh] NOT Infant, Very Low Birth Weight[mh])	3,688,998
#3	((rehabilitation[mh] OR Physical therapy[tiab] OR Exercise Therapy[mh] OR exercise therap*[tiab] OR Physical therapy[tiab] OR Physiotherapy[tiab] OR Physiotherapies[tiab] OR Occupational therapy[mh] OR Early Ambulation[mh] OR Early Mobilization[mh] OR Early exercise[mh] OR play[mh] OR "Mobility activities" OR protocol))	1,023,413
#4	(randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh]))	1,302,917
#5	#1 AND #2 AND #3 AND #4	612

CENTRAL search strategy (検索日 2021 年 10 月 30 日)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#2	("Intensive Care Unit"):ti,ab,kw	17212
#3	("Critical Illness"):ti,ab,kw	3802
#4	MeSH descriptor: [Critical Illness] explode all trees	2466
#5	MeSH descriptor: [Critical Care] explode all trees	2157
#6	("Critical Care"):ti,ab,kw	4200
#7	("intensive care"):ti,ab,kw	25378
#8	(icu):ti,ab,kw	14244
#9	("critical ill*"):ti,ab,kw	97
#10	("critically ill"):ti,ab,kw	7413
#11	MeSH descriptor: [Child] explode all trees	58731
#12	MeSH descriptor: [Adolescent] explode all trees	107314
#13	MeSH descriptor: [Infant] explode all trees	33554
#14	MeSH descriptor: [Pediatrics] explode all trees	709
#15	MeSH descriptor: [Child, Preschool] explode all trees	30532

#16	MeSH descriptor: [Infant, Premature] explode all trees	4006
#17	MeSH descriptor: [Infant, Very Low Birth Weight] explode all trees	1001
#18	MeSH descriptor: [Rehabilitation] explode all trees	38509
#19	MeSH descriptor: [Physical Therapy Modalities] explode all trees	27816
#20	(Physiotherapy):ti,ab,kw	13477
#21	(Physical therapy):ti,ab,kw	52143
#22	MeSH descriptor: [Exercise Therapy] explode all trees	15157
#23	MeSH descriptor: [Occupational Therapy] explode all trees	801
#24	MeSH descriptor: [Early Ambulation] explode all trees	397
#25	(Early exercise):ti,ab,kw	5430
#26	(play):ti,ab,kw	18234
#27	(Mobility activities):ti,ab,kw	2351
#28	(#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10) AND (#11 OR #12 OR #13 OR #14 OR #15 NOT (#16 OR #17)) AND (#18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27)	242 (Trials 229)

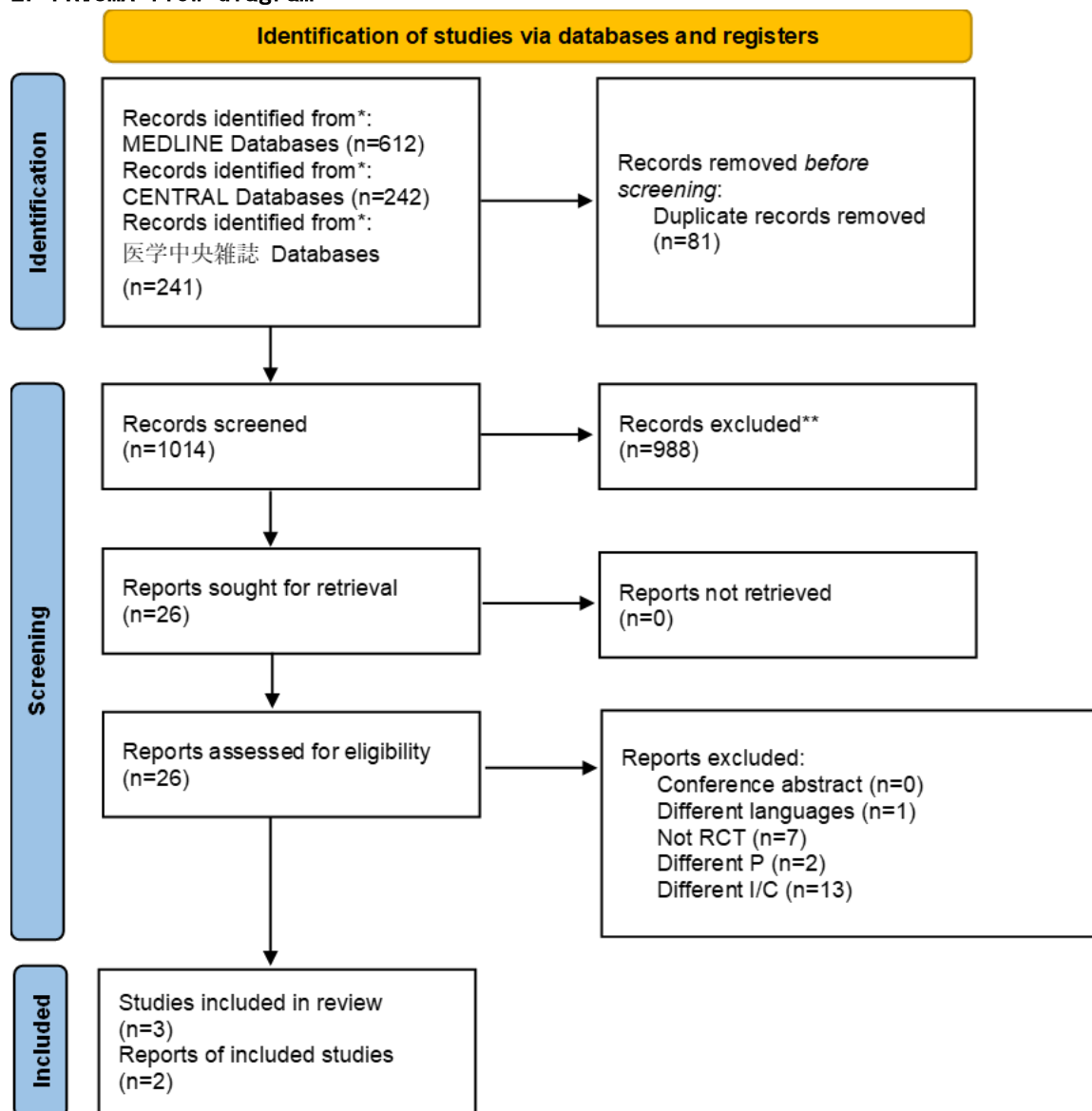
229 trials

医学中央雑誌 search strategy (検索日 2021 年 10 月 20 日)

#1	(小児 ICU/TH or 小児 ICU/AL)	16,162
#2	(ICU/TH or ICU/AL)	142,973
#3	(クリティカルケア/TH or クリティカルケア/AL)	17,483
#4	(集中治療/AL)	83,960
#5	(重症/AL or 重篤/AL)	256,496
#6	#1 or #2 or #3 or #4 or #5	446,696
#7	(小児/TH or 小児/AL or こども/AL)	1,101,133
#8	(幼児/TH or 幼児/AL)	211,090
#9	(乳児/TH or 乳児/AL)	233,339
#10	(青年/TH or 青年/AL or 青年期/AL)	332,042
#11	#7 or #8 or #9 or #10	1,357,217
#12	(リハビリテーション/TH or リハビリテーション/AL)	543,567
#13	(理学療法/TH or 理学療法/AL)	223,423
#14	(作業療法/TH or 作業療法/AL)	61,919
#15	(早期離床/TH or 早期離床/AL)	6,761
#16	(早期の運動/AL)	131
#17	(遊戯と玩具/TH or 遊び/AL)	8,385
#18	(活動/AL)	269,179
#19	#12 or #13 or #14 or #15 or #16 or #17 or #18	775,702
#20	(ランダム化比較試験/TH)	54,490
#21	(準ランダム化比較試験/TH)	3,499
#22	(ランダム化/AL)	65,642
#23	(無作為化/AL)	8,331
#24	(比較試験/AL)	69,374
#25	(臨床試験/AL)	80,105

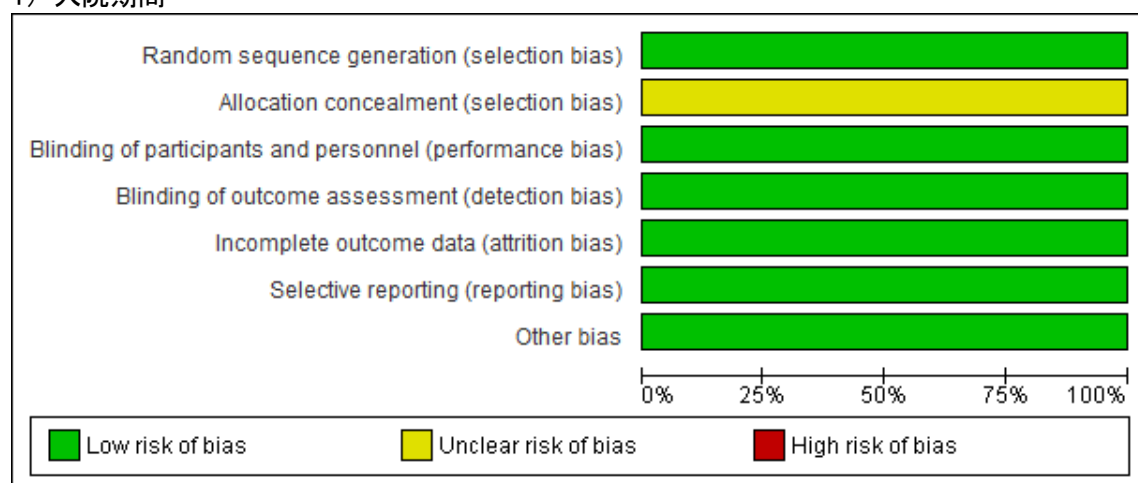
#26	(プラセボ/AL)	8,613
#27	(対照/AL)	78,420
#28	(コントロール/AL)	77,975
#29	(臨床研究/AL)	60,218
#30	#20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29	333,486
#31	#6 and #11 and #19 and #30	253
#32	(#31) and (PT=会議録除く)	241

2. PRISMA flow diagram

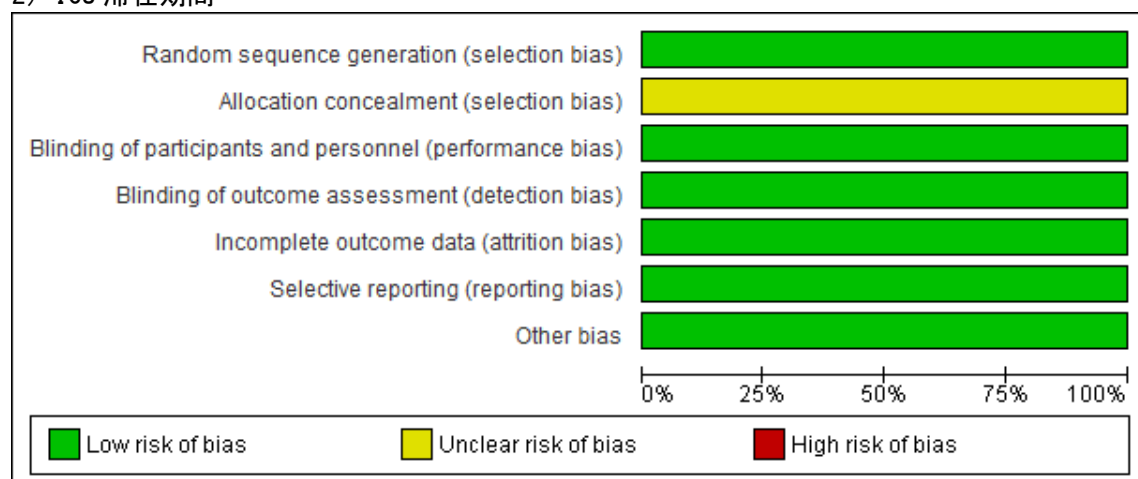


3. Risk of bias graph

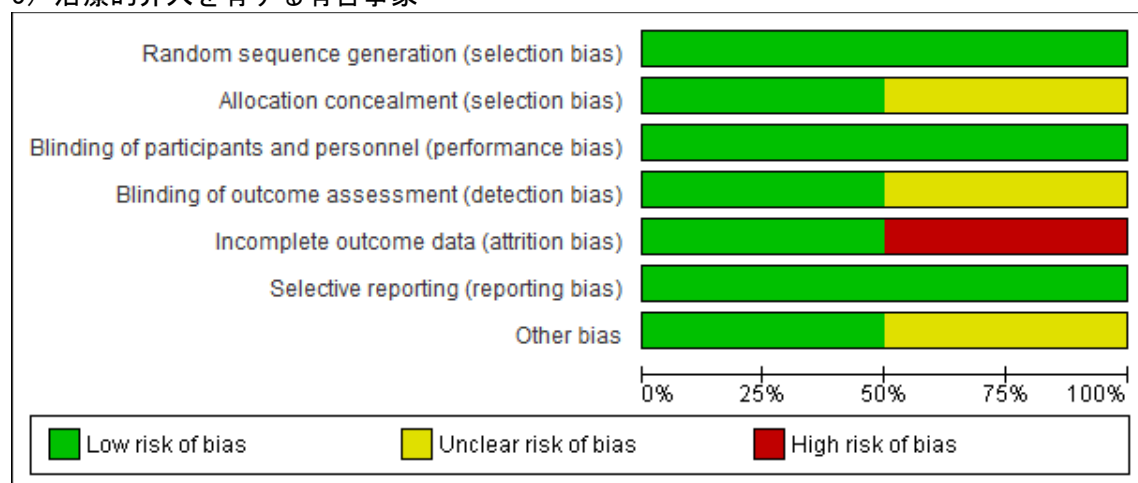
1) 入院期間



2) ICU 滞在期間



3) 治療的介入を有する有害事象



4. Risk of bias summary

1) 入院期間

Ericka L. Fink 2019	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	+

2) ICU 滞在期間

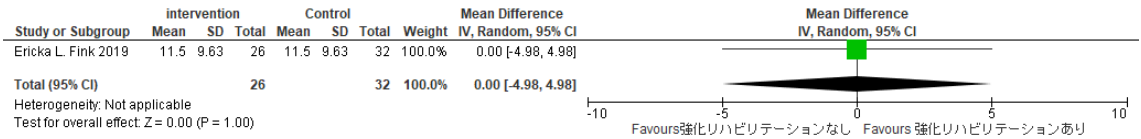
Ericka L. Fink 2019	Random sequence generation (selection bias)	+
	Allocation concealment (selection bias)	?
	Blinding of participants and personnel (performance bias)	+
	Blinding of outcome assessment (detection bias)	+
	Incomplete outcome data (attrition bias)	+
	Selective reporting (reporting bias)	+
	Other bias	+

3) 治療的介入を有する有害事象

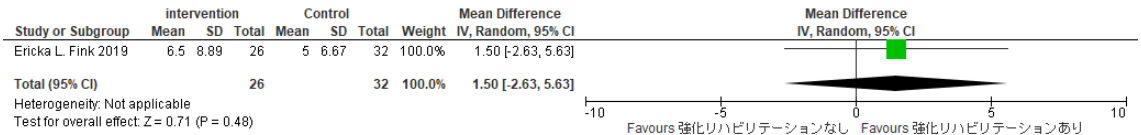
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Ericka L. Fink 2019	+	?	+	+	+	+	+
Karen Choong 2017	+	+	+	?	-	+	?

5. Forest plot

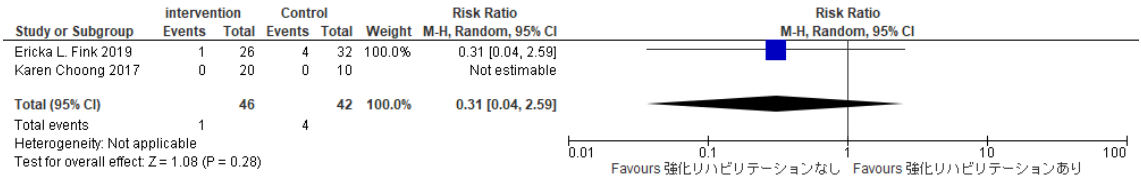
1) 入院期間



2) ICU 滞在期間



3) 治療的介入を有する有害事象



6. Funnel plot

1) 入院期間

2) ICU 滞在期間

3) 治療的介入を有する有害事象

CQ12 小児急性期呼吸管理患者に呼吸理学療法を行うか？

1. Search methods

検索データベース

■MEDLINE (PubMed)

■CENTRAL

■医学中央雑誌

□その他 ()

検索式とヒット数

PubMed search strategy (検索日 2021 年 11 月 1 日)

#1	(Intensive Care Units[mh] OR Critical Illness[mh] OR Critical Care[mh] OR "intensive care" [tiab] OR icu[tiab] OR critical ill*[tiab] OR critically ill*[tiab] OR "critical care"[tiab])	290,477
#2	(Child[mh] OR Adolescent[mh] OR Infant[mh] OR pediatrics[tiab] OR Child, Preschool[mh] NOT Infant, Premature[mh] NOT Infant, Very Low Birth Weight[mh])	3,695,642
#3	(Respiration, Artificial[mh] OR Respiratory Therapy[mh] OR positive pressure respiration[mh] OR continuous positive airway pressure[mh] OR continuous distend* pressur*[tiab] OR positv* airway* pressur*[tiab] OR "positive end expiratory pressure"[tiab] OR "mechanical ventilation"[tiab] OR ppv[tiab] OR cpcp[tiab] OR peep[tiab])	172,040
#4	(Respiratory Therapy[mh] OR Physical Therapy Modalities[mh] OR "Physical Therapy"[tiab] OR "chest physical therapy"[tiab] OR "chest physiotherapy"[tiab] OR "respiratory physical therapy"[tiab] OR "respiratory physiotherapy"[tiab] OR "postural"[tiab] OR "chest physiotherapy"[tiab] OR "mechanical insufflation"[tiab])	330,229
#5	(randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh]))	1,300,644
#6	#1 AND #2 AND #3 AND #4 AND #5	767

CENTRAL search strategy (検索日 2021 年 11 月 24 日)

#1	MeSH descriptor: [Intensive Care Units] explode all trees	3864
#2	("Intensive Care Units"):ti,ab,kw (Word variations have been searched)	6498
#3	Critical Illness	6288
#4	("Critical Illness"):ti,ab,kw	3802
#5	MeSH descriptor: [Critical Care] explode all trees	2157
#6	("Critical Care"):ti,ab,kw	4200
#7	("intensive care"):ti,ab,kw	25378

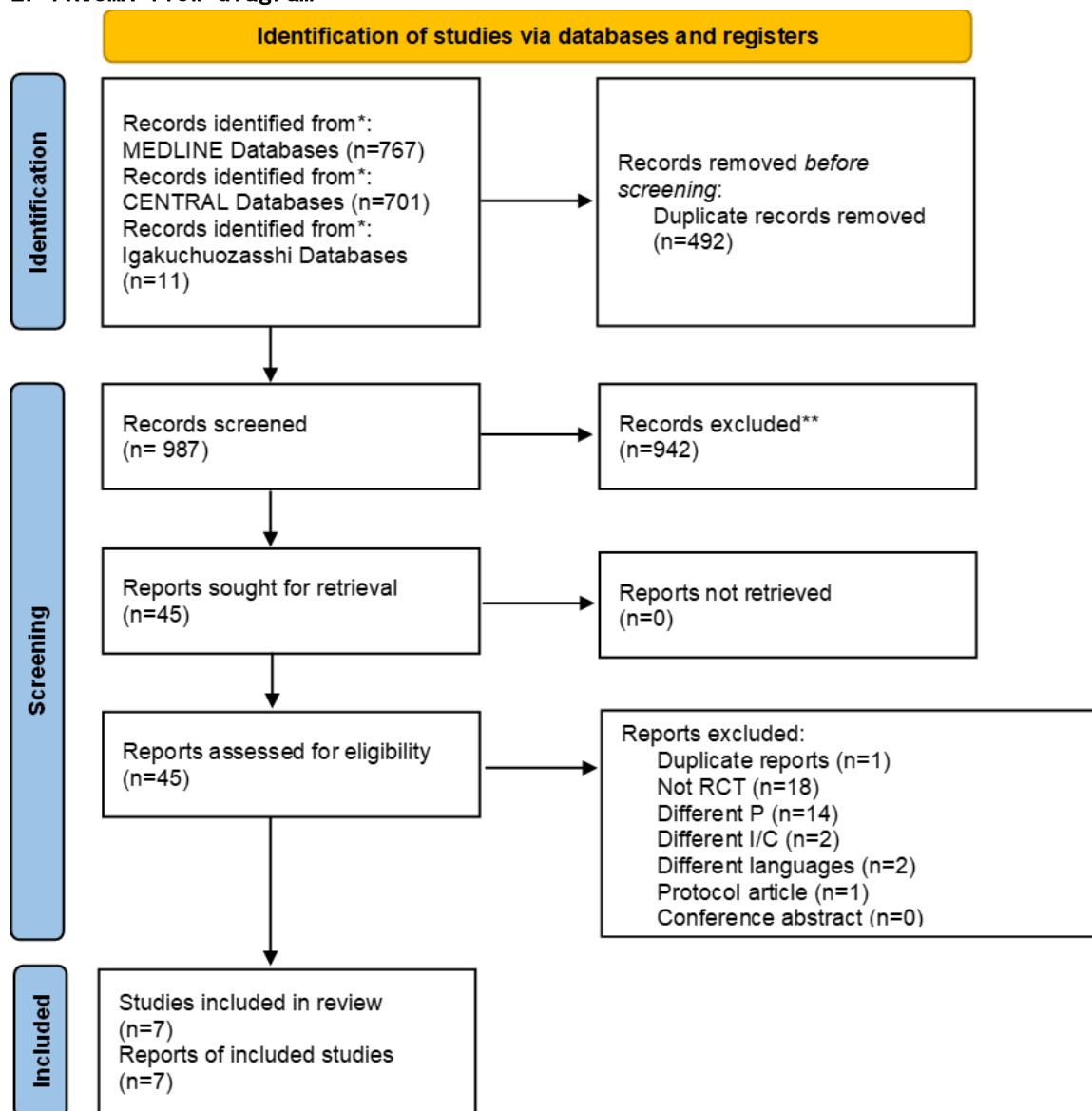
#8	(icu):ti, ab, kw	14244
#9	("critical ill*"):ti, ab, kw	97
#10	("critically ill"):ti, ab, kw	7413
#11	MeSH descriptor: [Child] explode all trees	58731
#12	MeSH descriptor: [Adolescent] explode all trees	107314
#13	MeSH descriptor: [Infant] explode all trees	33554
#14	MeSH descriptor: [Pediatrics] explode all trees	709
#15	MeSH descriptor: [Child, Preschool] explode all trees	30532
#16	MeSH descriptor: [Infant, Premature] explode all trees	4006
#17	MeSH descriptor: [Infant, Very Low Birth Weight] explode all trees	1001
#18	MeSH descriptor: [Respiration, Artificial] explode all trees	6602
#19	MeSH descriptor: [Respiratory Therapy] explode all trees	8527
#20	MeSH descriptor: [Positive-Pressure Respiration] explode all trees	2889
#21	MeSH descriptor: [Continuous Positive Airway Pressure] explode all trees	1185
#22	("continuous distend* pressur*"):ti, ab, kw	0
#23	("positive end expiratory pressure"):ti, ab, kw	4009
#24	(positiv* airway* pressur*):ti, ab, kw	2
#25	("mechanical ventilation"):ti, ab, kw	10579
#26	(ppv):ti, ab, kw	1162
#27	(cpap):ti, ab, kw	4913
#28	(peep):ti, ab, kw	1917
#29	MeSH descriptor: [Respiratory Therapy] explode all trees	8527
#30	MeSH descriptor: [Physical Therapy Modalities] explode all trees	27816
#31	("chest physical therapy"):ti, ab, kw	104
#32	("respiratory physical therapy"):ti, ab, kw	26
#33	("respiratory physiotherapy"):ti, ab, kw	209
#34	("postural"):ti, ab, kw	8351
#35	("chest physiotherapy"):ti, ab, kw	560
#36	("mechanical insufflation"):ti, ab, kw	56
#37	(#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10) AND (#11 OR #12 OR #13 OR #14 OR #15 NOT (#16 OR #17)) AND (#18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28) AND (#29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36)	701

医学中央雑誌 search strategy (検索日 2021 年 11 月 24 日)

#1	(小児 ICU/TH or 小児 ICU/AL)	16, 162
#2	(ICU/TH or ICU/AL)	142, 973
#3	(クリティカルケア/TH or クリティカルケア/AL)	17, 483
#4	(集中治療/AL)	83, 960
#5	(重症/AL or 重篤/AL)	256, 496

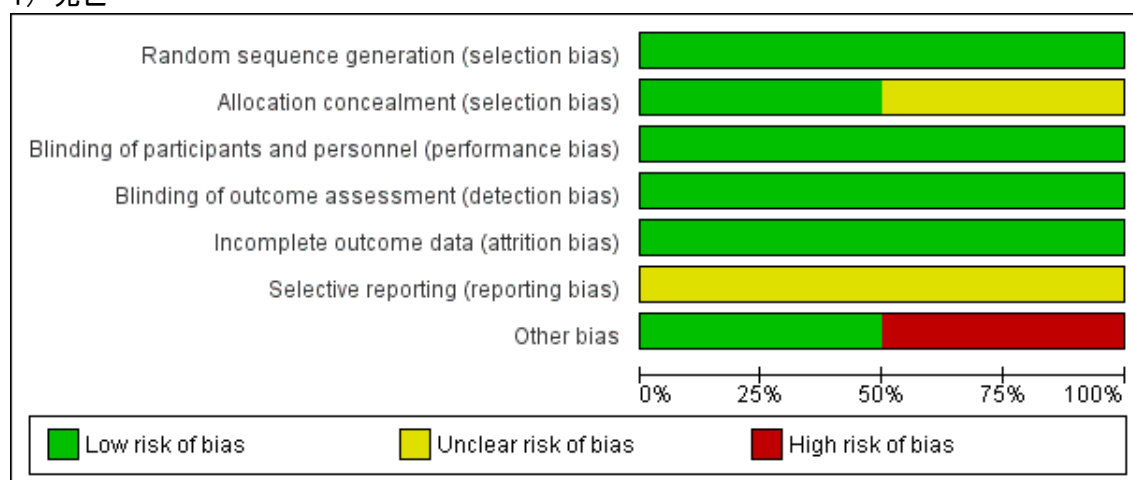
#6	#1 or #2 or #3 or #4 or #5	446, 696
#7	(小児/TH or 小児/AL or こども/AL)	1, 101, 133
#8	(幼児/TH or 幼児/AL)	211, 090
#9	(乳児/TH or 乳児/AL)	233, 339
#10	(青年/TH or 青年/AL or 青年期/AL)	332, 042
#11	#7 or #8 or #9 or #10	1, 357, 217
#12	(人工呼吸/TH or 人工呼吸/AL)	64, 332
#13	(呼吸療法/TH or 呼吸療法/AL)	90, 853
#14	(持続気道陽圧/TH or 持続気道陽圧/AL)	5, 428
#15	(陽圧換気/AL)	3, 096
#16	(peep/AL)	1, 283
#17	(cpap/AL)	3, 604
#18	(ppv/AL)	5, 966
#19	(呼気終末陽圧/AL)	189
#20	(機械換気/AL)	151
#21	(調節換気/AL)	81
#22	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21	108, 092
#23	(理学療法/TH or 理学療法/AL)	223, 423
#24	(呼吸理学療法/TH or 呼吸理学療法/AL)	14, 988
#25	(体位ドレナージ/TH or 体位ドレナージ/AL)	1, 009
#26	(体位変換/TH or 体位変換/AL)	8, 076
#27	(カフアシスト/AL)	121
#28	#23 or #24 or #25 or #26 or #27	230, 926
#29	(ランダム化比較試験/TH)	54, 490
#30	(準ランダム化比較試験/TH)	3, 499
#31	(ランダム化/AL)	65, 642
#32	(無作為化/AL)	8, 331
#33	(比較試験/AL)	69, 374
#34	(臨床試験/AL)	80, 105
#35	(プラセボ/AL)	8, 613
#36	(対照/AL)	78, 420
#37	(コントロール/AL)	77, 975
#38	(臨床研究/AL)	60, 218
#39	#29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38	333, 486
#40	#6 and #11 and #22 and #28 and #39	12
#41	(#40) and (PT=会議録除く)	11

2. PRISMA flow diagram

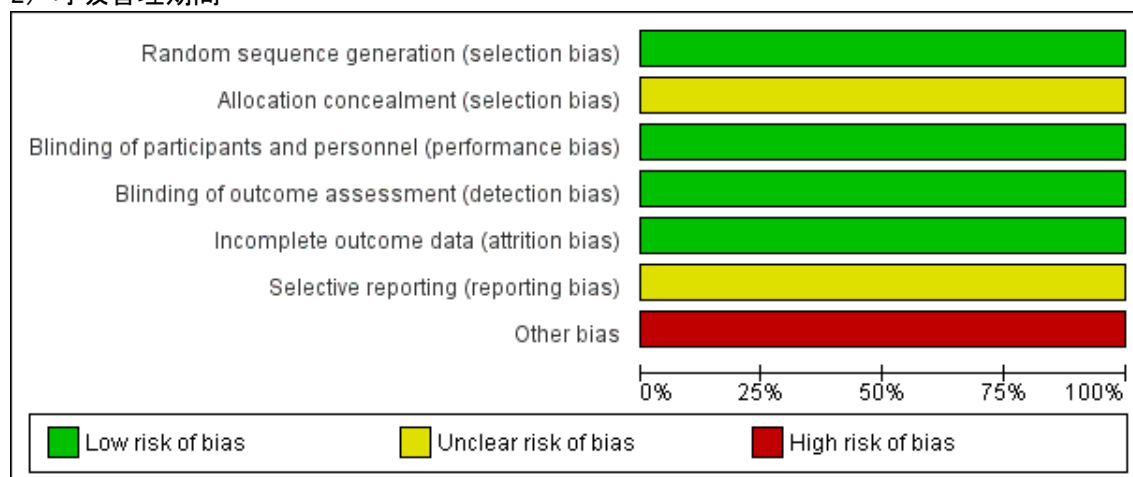


3. Risk of bias graph

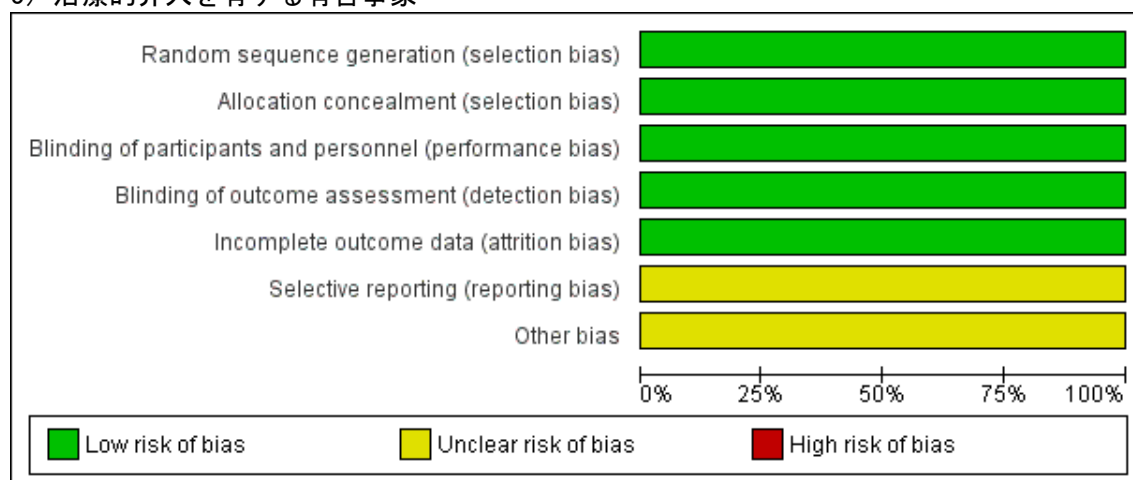
1) 死亡



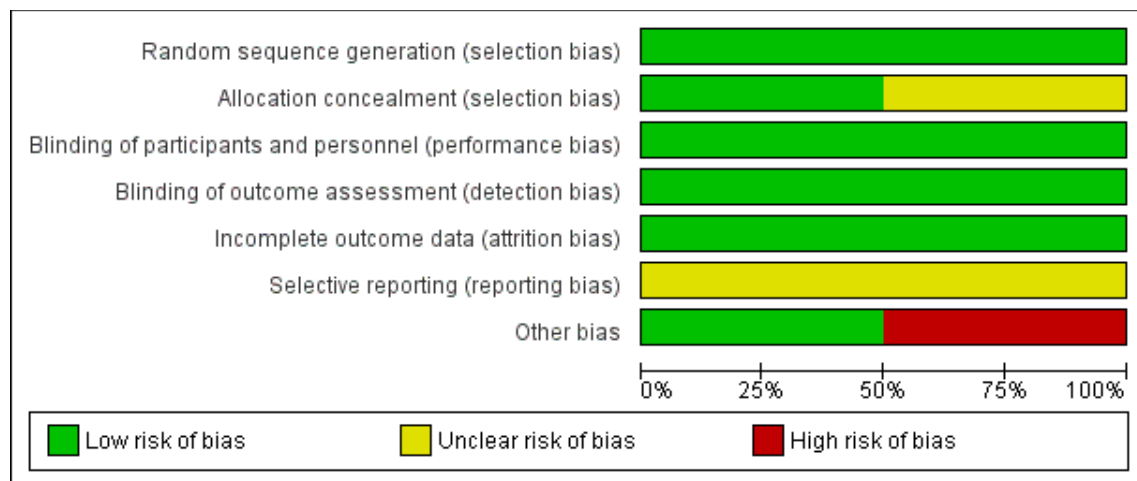
2) 呼吸管理期間



3) 治療的介入を有する有害事象



4) 酸素化指標 (PaO₂/FI_{O₂} 比)



4. Risk of bias summary

1) 死亡

	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
Curley 2005							
Sawhney 2005							

2) 呼吸管理期間

	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
Sawhney 2005							

3) 治療的介入を有する有害事象

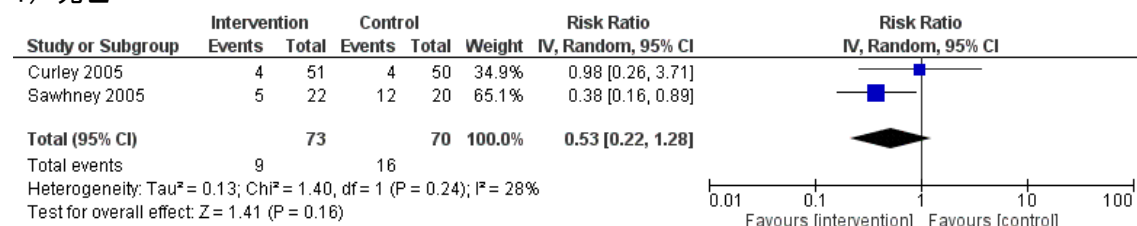
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Curley 2005	+	+	+	+	+	?	?

4) 酸素化指標 (PaO₂/FI0₂ 比)

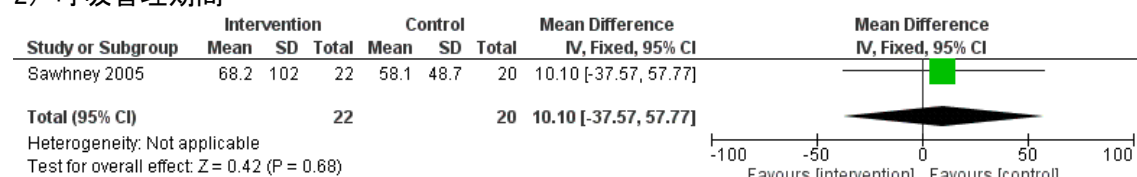
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Curley 2005	+	+	+	+	+	?	+
Sawhney 2005	+	?	+	+	+	?	-

5. Forest plot

1) 死亡



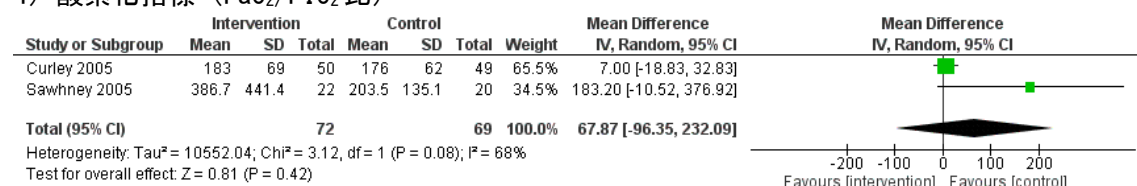
2) 呼吸管理期間



3) 治療の介入を有する有害事象

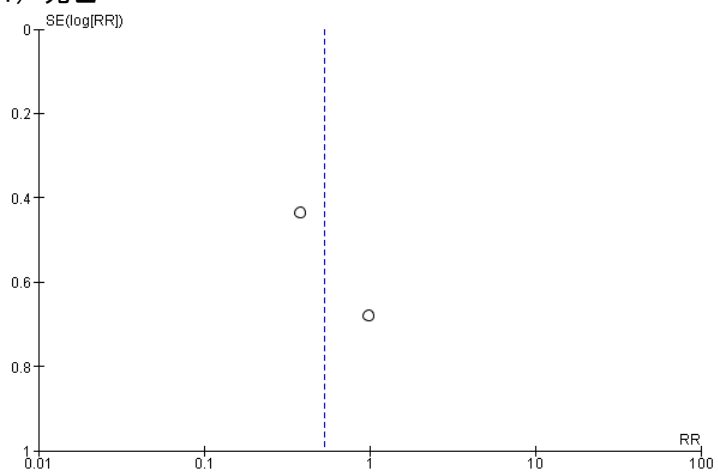


4) 酸素化指標 (PaO₂/FI_{O₂} 比)



6. Funnel plot

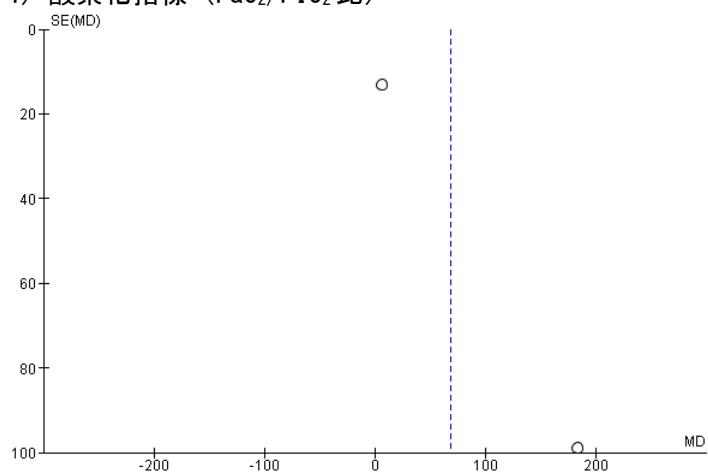
1) 死亡



2) 呼吸管理期間

3) 治療的介入を有する有害事象

4) 酸素化指標 (PaO₂/FI_O₂ 比)



CQ13 重症患者に対して ICU 退室後に強化リハビリテーションを行うか？

1. Search methods

検索データベース

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

検索式とヒット数

PubMed search strategy (検索日 2021 年 10 月 15 日)

#1	"critical care"[mh] OR "critical illness"[mh] OR "critical illness"[tiab] OR "post critical care"[tiab] OR "post intensive care"[tiab] OR "post ICU"[tiab]	94,410
#2	"rehabilitation"[mh] OR "rehabilitation"[tiab] OR "physical therapy"[tiab] OR "physiotherapy"[tiab] OR "occupational therapy"[tiab] OR training*[tiab] OR program*[tiab]	1,691,124
#3	randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh])	1,299,978
#4	#1 AND #2	8,018
#5	#3 AND #4	757

CENTRAL search strategy (検索日 2021 年 10 月 15 日)

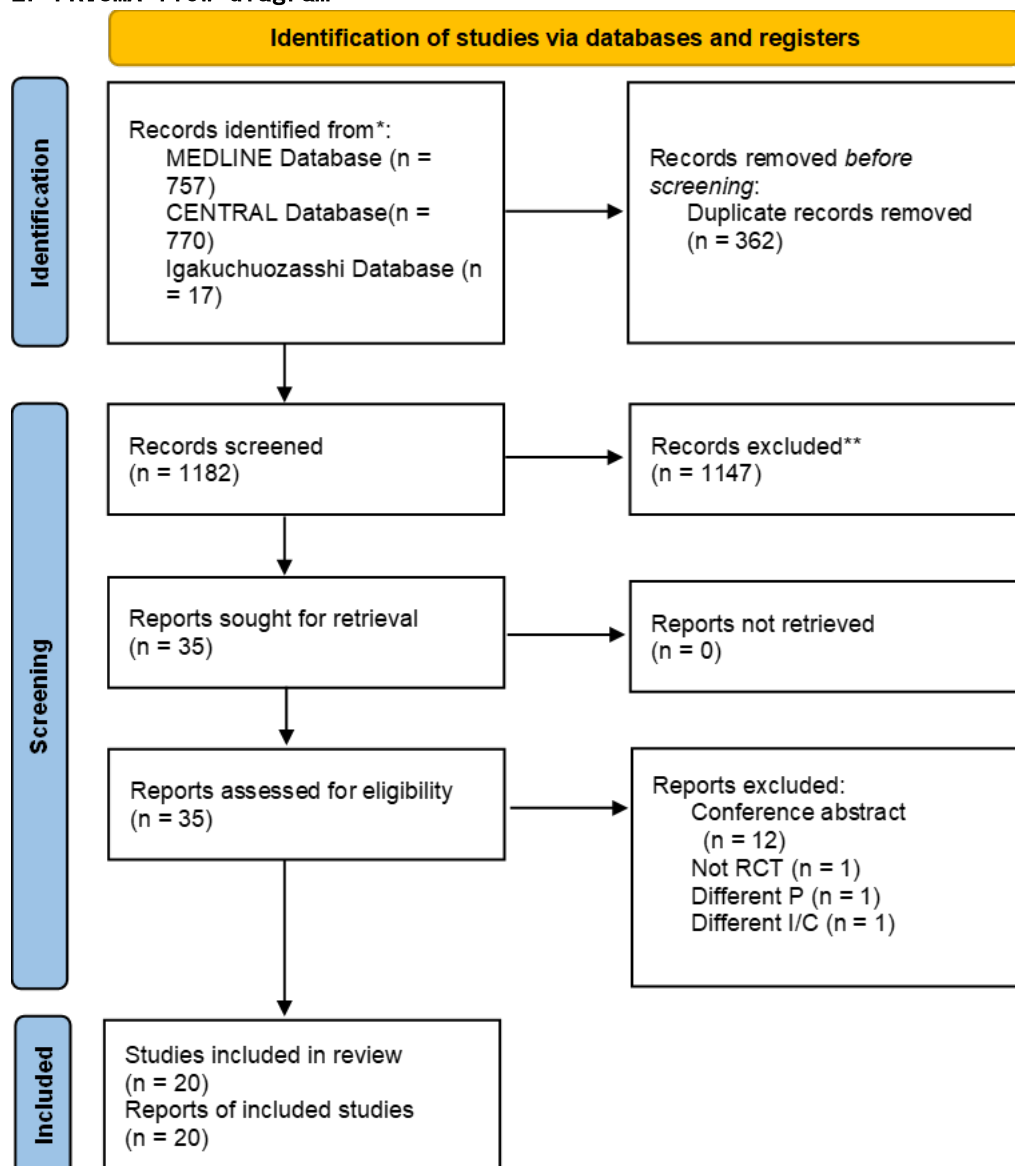
#1	MeSH descriptor: [Critical Care] explode all trees	2,157
#2	MeSH descriptor: [Critical Illness] explode all trees	2,466
#3	("critical illness"):ti,ab,kw	3,802
#3	("post critical care"):ti,ab,kw	3
#4	("post intensive care"):ti,ab,kw	80
#5	("post ICU"):ti,ab,kw	177
#6	#1 OR #2 OR #3 OR #4 OR #5 OR #6	5,731
#7	MeSH descriptor: [Rehabilitation] explode all trees	38,509
#8	("rehabilitation"):ti,ab,kw	53,730
#9	("physical therapy"):ti,ab,kw	10,394
#10	("physiotherapy"):ti,ab,kw	13,477
#11	("occupational therapy"):ti,ab,kw	2,819
#12	("training"):ti,ab,kw	99,514
#13	("program"):ti,ab,kw	113,742
#12	#7 OR #8 OR #9 OR #10 OR #11	233,578
#13	#6 AND #12	770

医学中央雑誌 search strategy (検索日 2021 年 10 月 14 日)

#1	(ICU 症候群/TH or 集中治療後/TA or PICS/TA or post-ICU/TA)	3,363
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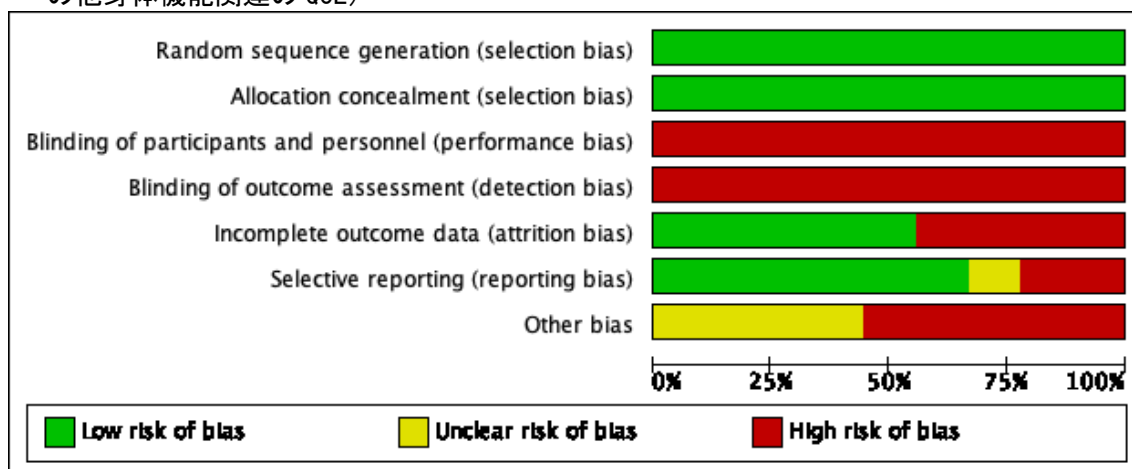
	and (PT=会議録除く)	
#2	(リハビリテーション/TH or 理学療法/TH or 作業療法/TH or 運動療法/TH or リハビリテーション/TA or 理学療法/TA or 作業療法/TA or 運動療法/TA or トレーニング/TA or プログラム/TA) and (PT=会議録除く)	241,075
#3	(ランダム化比較試験/TH or 準ランダム化比較試験/TH or ランダム化/AL or 無作為化/AL or 比較試験/AL or 臨床試験/AL or プラセボ/AL or 対照/AL or コントロール/AL or 臨床研究/AL) and (PT=会議録除く)	251,512
#4	#1 and #2 and #3	17

2. PRISMA flow diagram

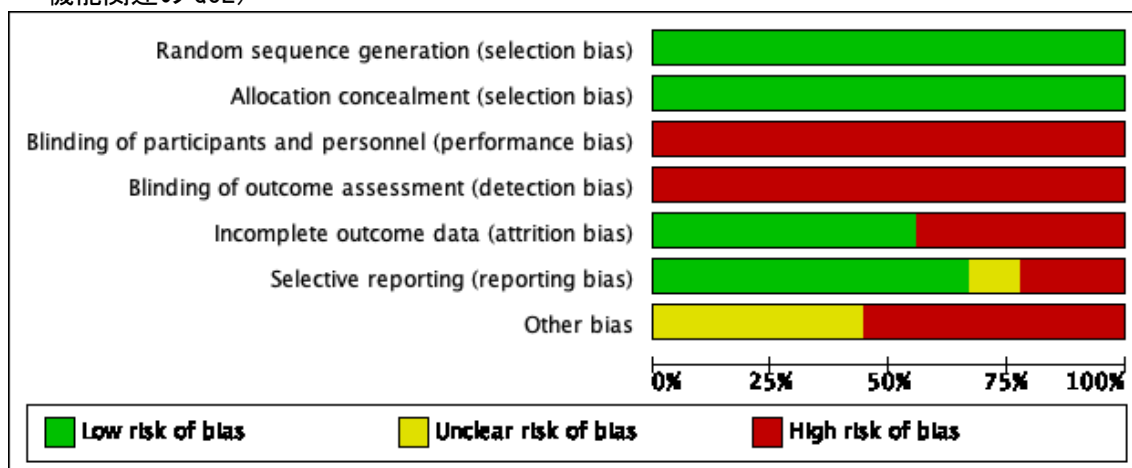


3. Risk of bias graph

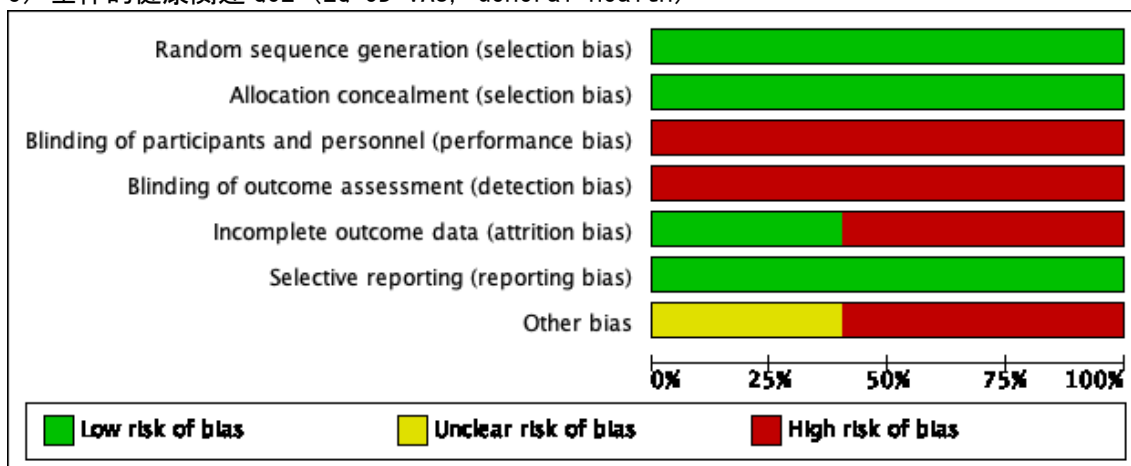
- 1) 身体機能関連 QOL (Physical component summary、もしくは physical functioning、その他身体機能関連の QOL)



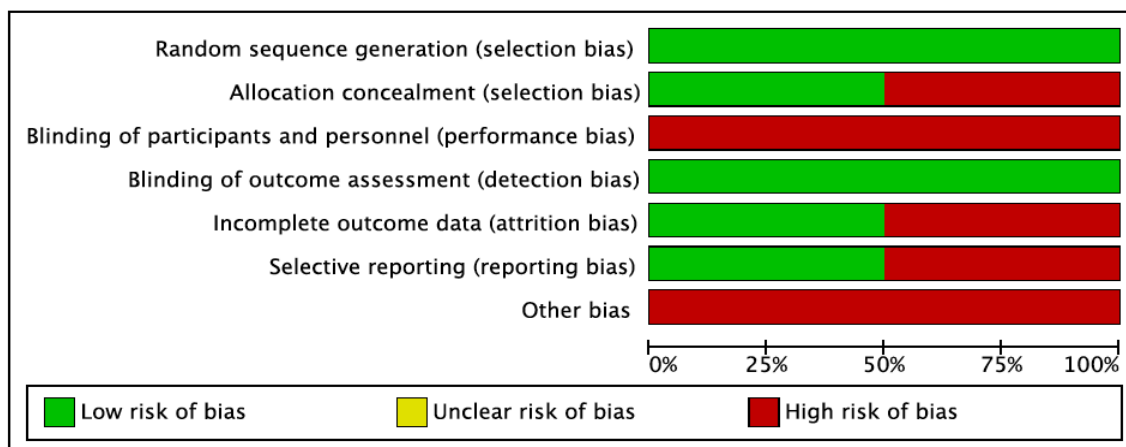
- 2) 精神機能関連 QOL (Mental component summary、もしくは Mental health、その他精神機能関連の QOL)



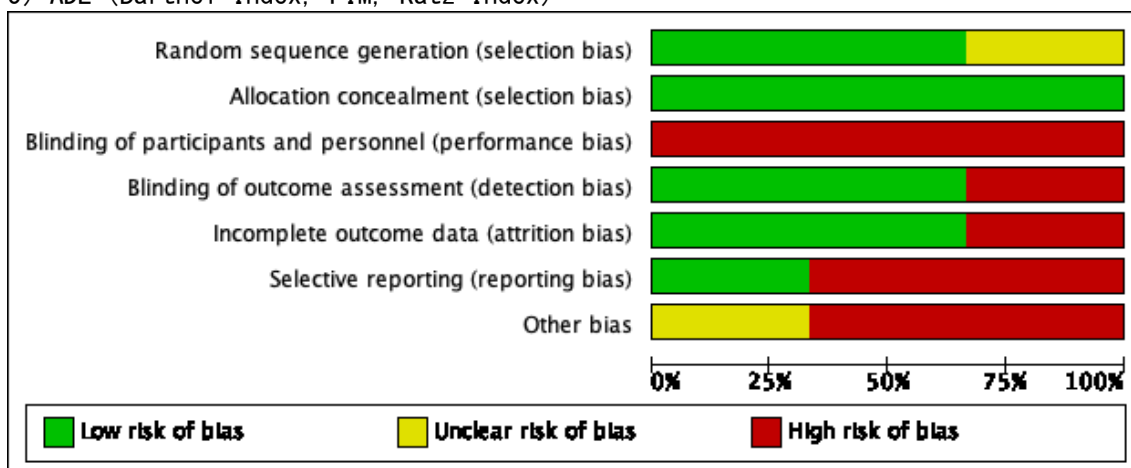
3) 全体的健康関連 QOL (EQ-5D VAS, General health)



4) 死亡



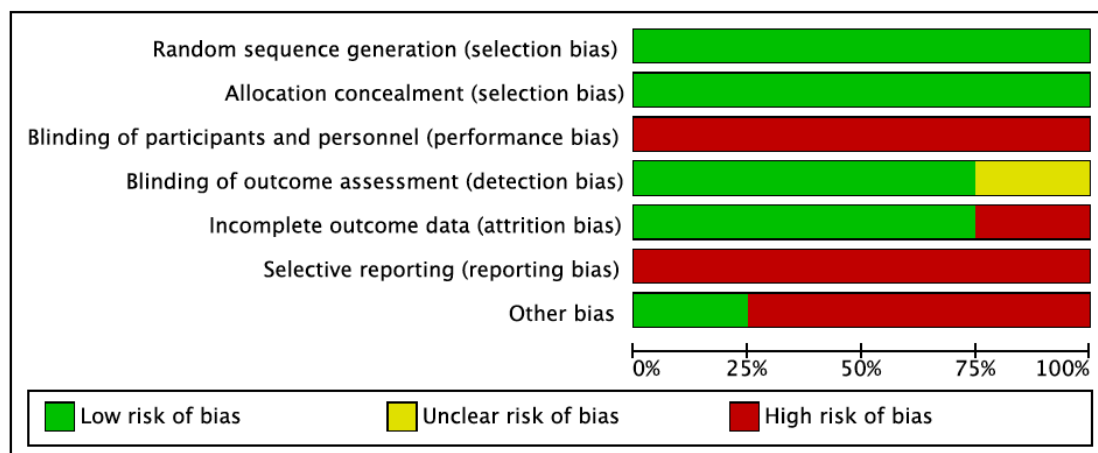
5) ADL (Barthel Index, FIM, Katz Index)



6) 復職

データなし

7) すべての有害事象



4. Risk of bias summary

- 1) 身体機能関連 QOL (Physical component summary、もしくはphysical functioning、その他身体機能関連の QOL)

	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
Connolly 2015							
Cuthbertson 2009							
Elliott 2011							
McDowell 2016							
McWilliams 2016							
Shelly 2017							
Veldema 2019							
Walsh 2015							
Wu 2019							

2) 精神機能関連 QOL (Mental component summary、もしくは Mental health、その他精神機能関連の QOL)

	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
Connolly 2015	+	+	-	-	-	-	-
Cuthbertson 2009	+	+	-	-	-	+	?
Elliott 2011	+	+	-	-	+	+	?
McDowell 2016	+	+	-	-	+	+	-
McWilliams 2016	+	+	-	-	+	+	-
Shelly 2017	+	+	-	-	-	+	-
Veldema 2019	+	+	-	-	+	?	?
Walsh 2015	+	+	-	-	+	-	-
Wu 2019	+	+	-	-	-	+	?

3) 全体的健康関連 QOL (EQ-5D VAS, General health)

	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
Cuthbertson 2009	+	+	-	-	-	+	?
McDowell 2016	+	+	-	-	+	+	-
McWilliams 2016	+	+	-	-	+	+	-
Shelly 2017	+	+	-	-	-	+	-
Wu 2019	+	+	-	-	-	+	?

4) 死亡

	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
Battle 2018	+	-	-	+	-	+	-
Walsh 2015	+	+	-	+	+	-	-

5) ADL (Barthel Index, FIM, Katz Index)

	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
Gruther 2017	+	+	-	+	+	-	-
Patsaki 2017	?	+	-	+	+	-	-
Wu 2019	+	+	-	-	-	+	?

6) 復職

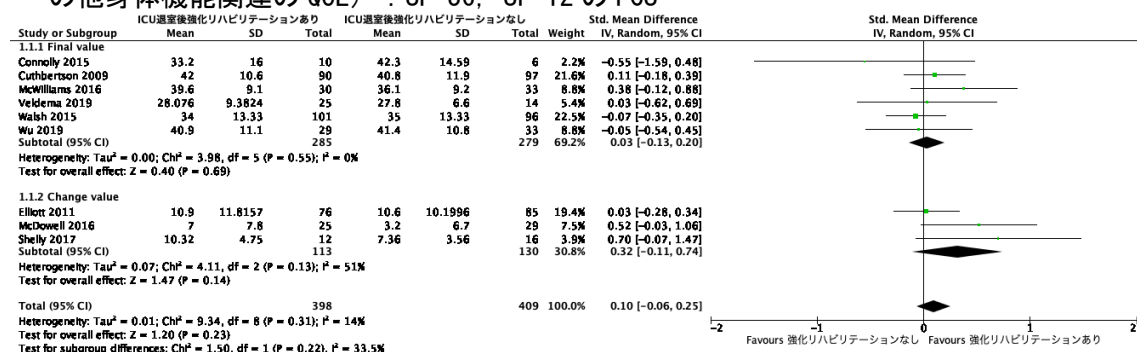
データなし

7) すべての有害事象

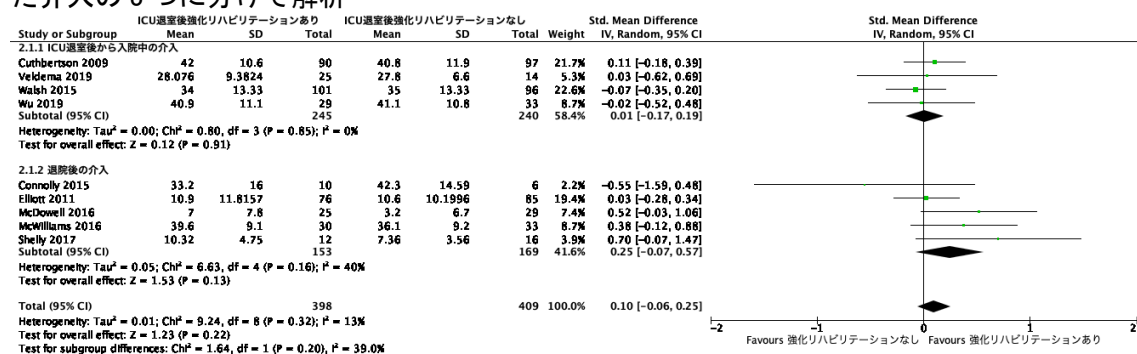
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Connolly 2015	+	+	-	?	-	-	-
Gruther 2017	+	+	-	+	+	-	-
McDowell 2016	+	+	-	+	+	-	-
Vitacca 2016	+	+	-	+	+	-	+

5. Forest plot

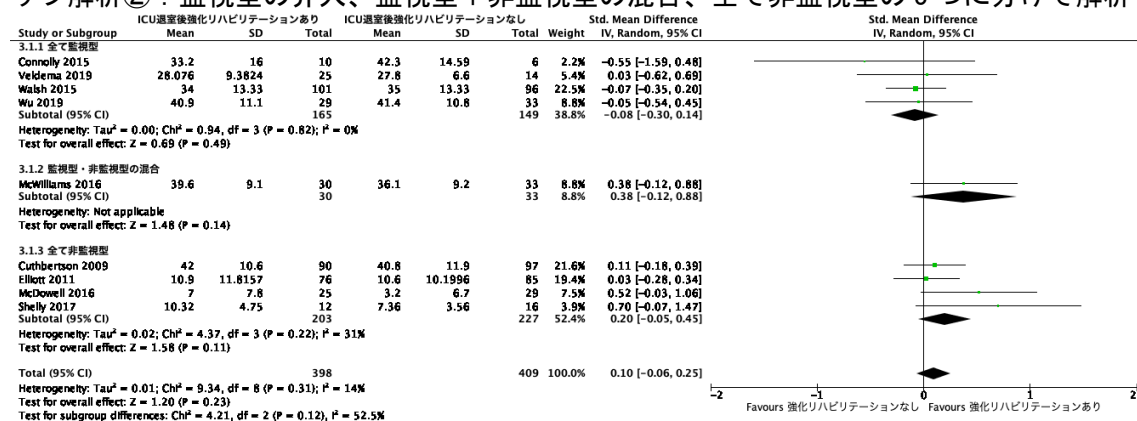
1) 身体機能関連 QOL (Physical component summary、もしくは physical functioning、その他身体機能関連の QOL) : SF-36, SF-12 の PCS



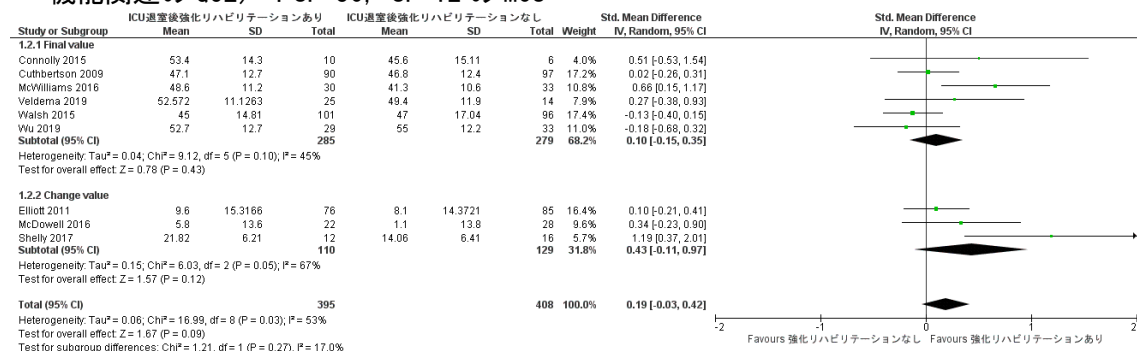
サブ解析① : ICU 退室後から入院中の介入、退院後の介入、ICU 退室後から退院後も継続した介入の 3 つに分けて解析



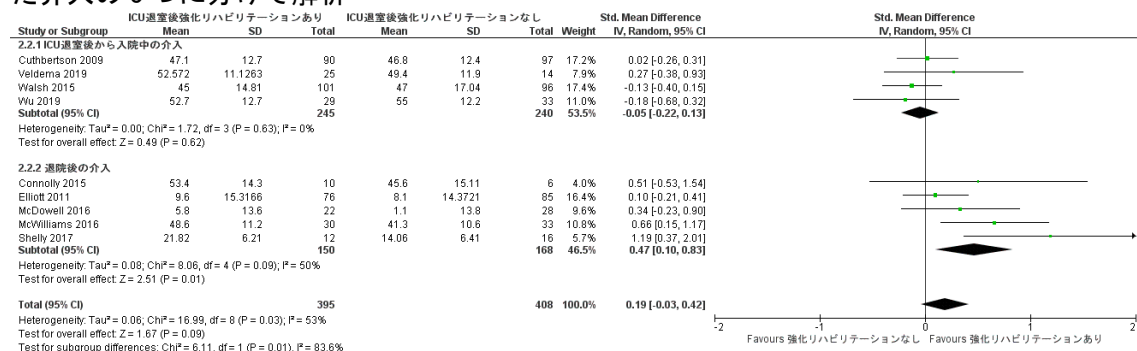
サブ解析② : 監視型の介入、監視型+非監視型の混合、全て非監視型の 3 つに分けて解析



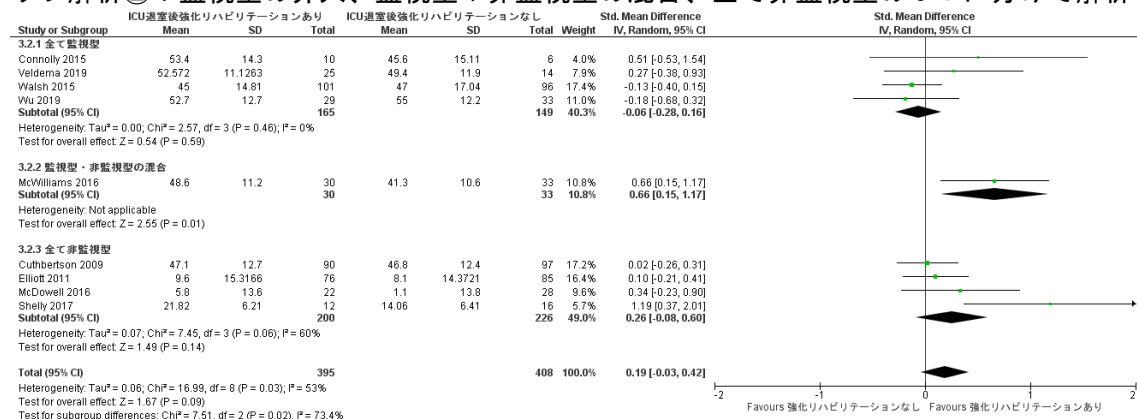
2) 精神機能関連 QOL (Mental component summary、もしくは Mental health、その他精神機能関連の QOL) : SF-36, SF-12 の MCS



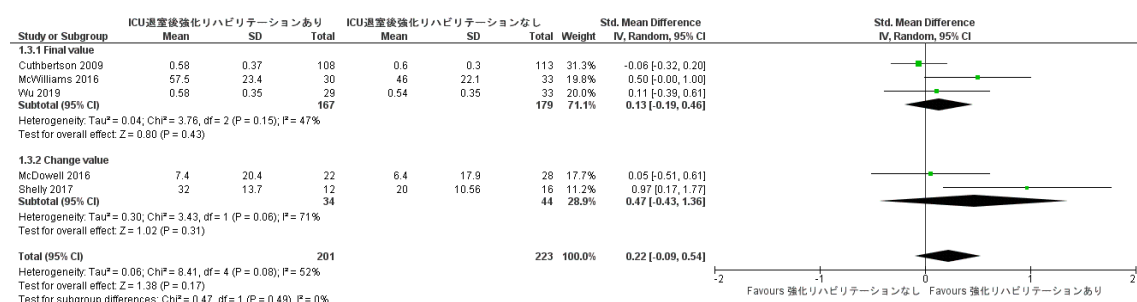
サブ解析① : ICU 退室後から入院中の介入、退院後の介入、ICU 退室後から退院後も継続した介入の 3 つに分けて解析



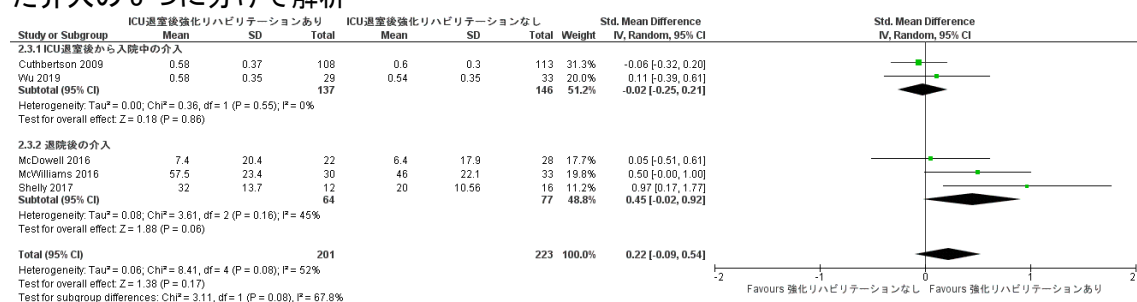
サブ解析② : 監視型の介入、監視型+非監視型の混合、全て非監視型の 3 つに分けて解析



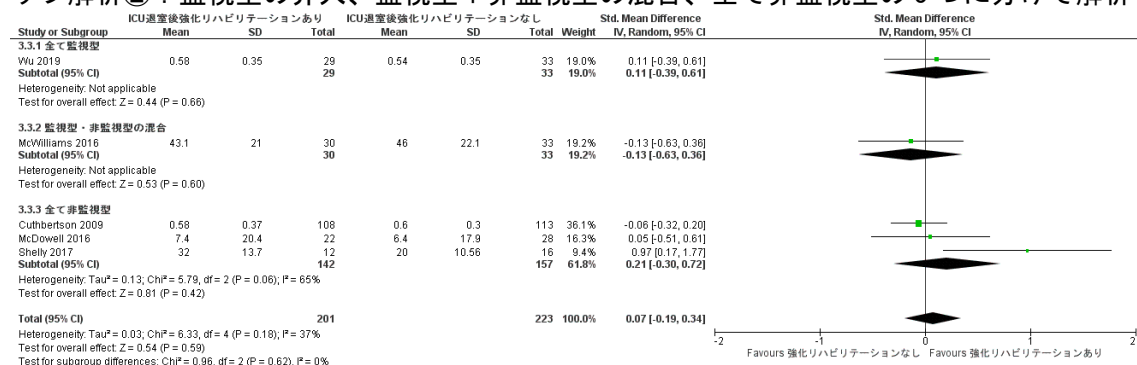
3) 全体的健康関連 QOL (EQ-5D VAS, General health) : EQ-5D, General health score of SF-36, AqOL (Assessment of Quality of Life Measure)



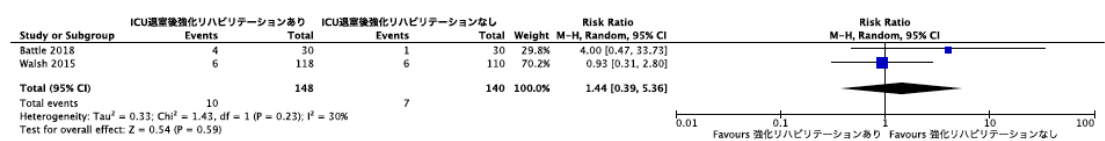
サブ解析① : ICU 退室後から入院中の介入、退院後の介入、ICU 退室後から退院後も継続した介入の 3 つに分けて解析



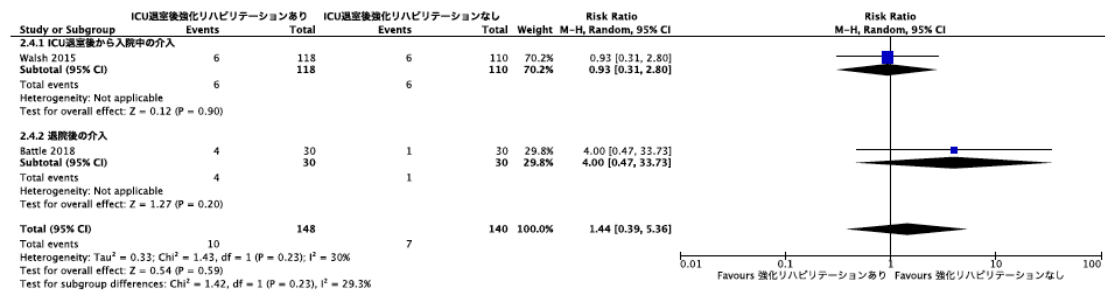
サブ解析② : 監視型の介入、監視型＋非監視型の混合、全て非監視型の 3 つに分けて解析



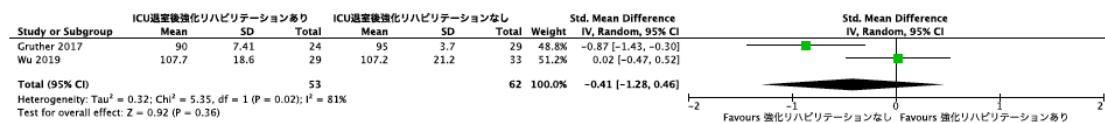
4) 死亡



サブ解析①：ICU 退室後から入院中の介入、退院後の介入、ICU 退室後から退院後も継続した介入の 3 つに分けて解析



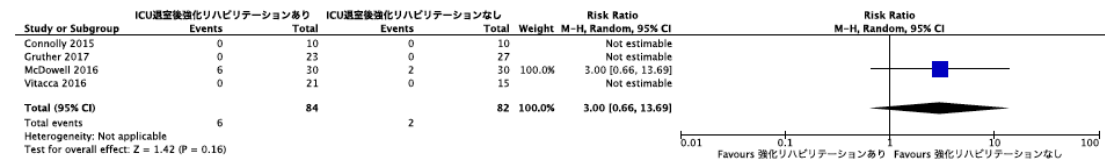
5) ADL (Barthel Index, FIM, Katz Index)



6) 復職

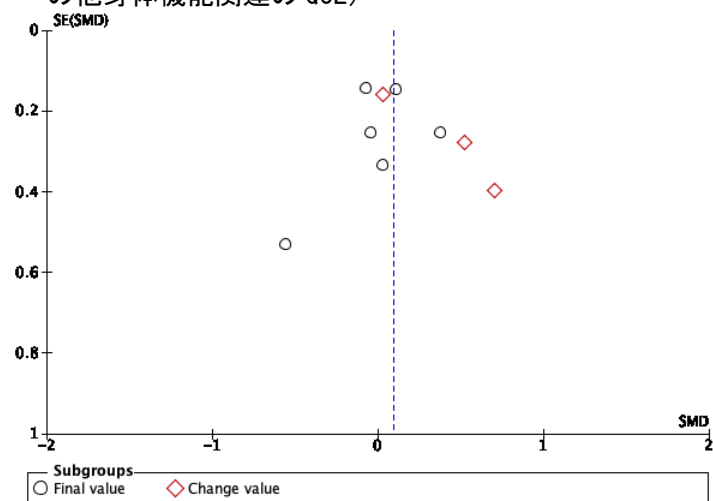
データなし

7) すべての有害事象

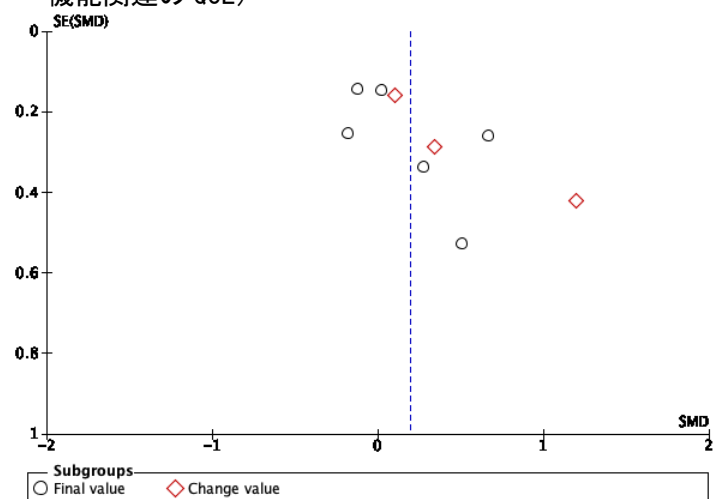


6. Funnel plot

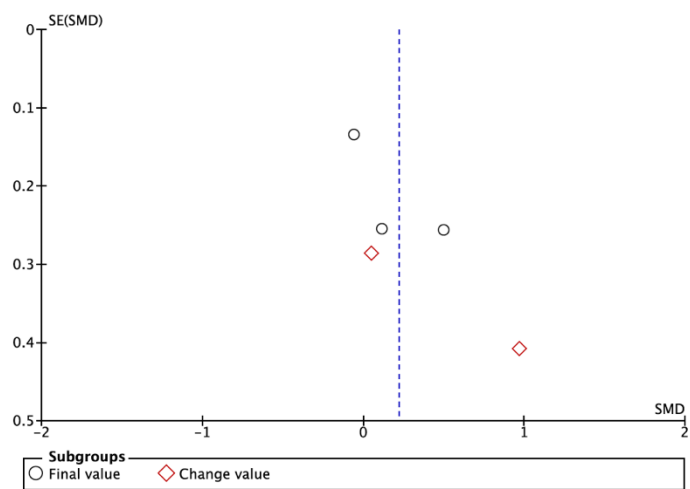
- 1) 身体機能関連 QOL (Physical component summary、もしくは physical functioning、その他身体機能関連の QOL)



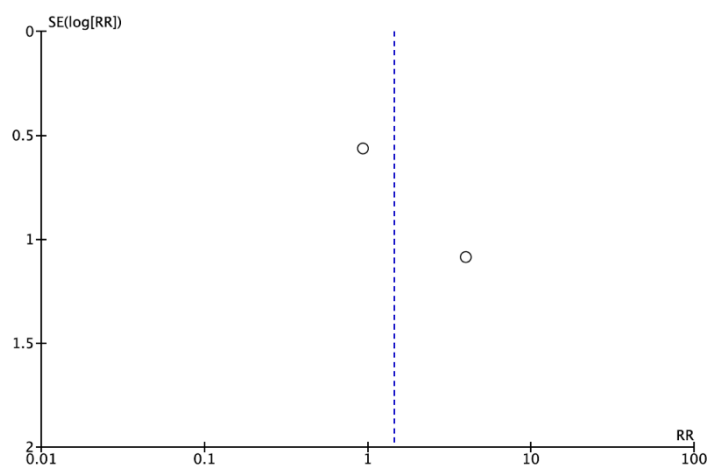
- 2) 精神機能関連 QOL (Mental component summary、もしくは Mental health、その他精神機能関連の QOL)



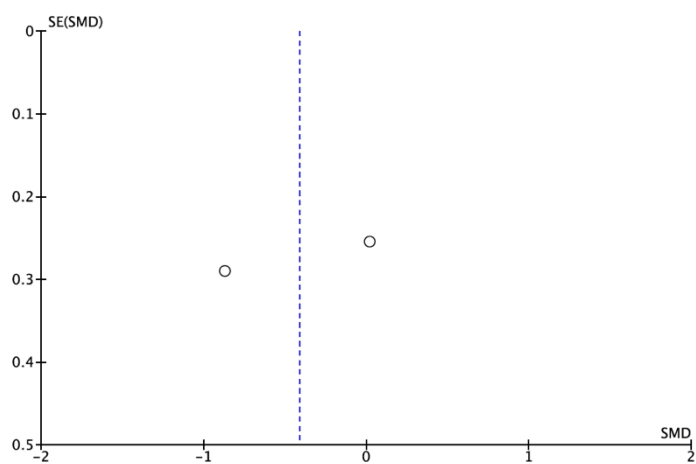
3) 全体的健康関連 QOL (EQ-5D VAS, General health) : EQ-5D, General health score of SF-36, AQL (Assessment of Quality of Life Measure)



4) 死亡



5) ADL (Barthel Index, FIM, Katz Index)



6) 復職
データなし

7) すべての有害事象

