

CQ -10-5-1 デクスメトミジン(DEX)

成人敗血症患者のせん妄治療に、薬物療法を行うか？

検索データベース

■MEDLINE (PubMed/Ovid)

■CENTRAL

■医学中央雑誌

□その他 ()

検索式とヒット数

PubMed search strategy (検索日 2019 年 4 月 22日)

#1	Sepsis[Mesh] OR "Shock, Septic"[Mesh] OR sepsis [tiab] OR (septic[tiab] AND shock[tiab])	175149
#2	("Critical Illness"[Mesh] OR "Critical Care"[Mesh] OR "Intensive Care Units"[Mesh] OR Stressed[tiab] OR "Critically ill"[tiab] OR "Critical care"[tiab] OR "Intensive care"[tiab])	262191
#3	(Delirium[Mesh] OR Delirium[tiab] OR "Consciousness Disorders"[Mesh] OR "Consciousness Disorders"[tiab] OR "Cognitive Dysfunction"[Mesh] OR "Cognitive Dysfunction"[tiab] OR "Sepsis-Associated Encephalopathy"[mesh] OR "Sepsis-Associated Encephalopathy"[tiab] OR "Cognitive impairment"[tiab])	119545
#4	("Drug therapy"[Mesh] OR "Therapeutic Uses"[Mesh] OR Drug[tiab] OR "Central Nervous System Agents"[Mesh] OR "Psychotropic Drugs"[Mesh] OR "Tranquilizing Agents"[Mesh] OR Tranquilize[tiab] OR "Antipsychotic agents"[Mesh] OR Antipsychotic[tiab] OR Haloperidol[Mesh] OR Haloperidol[tiab] OR "Quetiapine Fumarate"[Mesh] OR Quetiapine[tiab] OR Ziprasidone[tiab] OR "Rosuvastatin Calcium"[Mesh] OR Rosuvastatin[tiab] OR Simvastatin[Mesh] OR Simvastatin[tiab] OR Dexmedetomidine[Mesh] OR Dexmedetomidine[tiab])	3715045
#5	(randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR drug therapy[sh] OR randomly[tiab] OR trial[tiab] OR groups[tiab] NOT (animals [mh] NOT humans [mh]))	3884269
#6	(#1 OR #2) AND #3 AND #4 AND #5	767

CENTRAL search strategy (検索日 2019 年 4 月 24 日)

#1	MeSH descriptor: [Sepsis] explode all trees	3998
#2	(Sepsis):ti,ab,kw	10248
#3	MeSH descriptor: [Shock, Septic] explode all trees	771
#4	(Septic):ti,ab,kw	4108
#5	(Septic Shock):ti,ab,kw	2738
#6	MeSH descriptor: [Critical Illness] explode all trees	1845
#7	MeSH descriptor: [Intensive Care Units] explode all trees	3260
#8	MeSH descriptor: [Critical Care] explode all trees	1918
#9	(Stressed):ti,ab,kw	958
#10	(Critically ill):ti,ab,kw	5980
#11	(Critical care):ti,ab,kw	8789
#12	(Intensive care):ti,ab,kw	25082
#13	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12	43820
#14	MeSH descriptor: [Delirium] explode all trees	551
#15	(Delirium):ti,ab,kw	2824
#16	MeSH descriptor: [Consciousness Disorders] explode all trees	854
#17	(Consciousness Disorder?):ti,ab,kw	855
#18	MeSH descriptor: [Cognitive Dysfunction] explode all trees	837
#19	(Cognitive Dysfunction):ti,ab,kw	5020
#20	MeSH descriptor: [Sepsis-Associated Encephalopathy] explode all trees	0
#21	(Sepsis-Associated Encephalopathy):ti,ab,kw	5
#22	#14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21	8237
#23	MeSH descriptor: [Drug Therapy] explode all trees	134017
#24	MeSH descriptor: [Therapeutic Uses] explode all trees	157248
#25	(Drug?):ti,ab,kw	562756
#26	MeSH descriptor: [Central Nervous System Agents] explode all trees	50088
#27	MeSH descriptor: [Psychotropic Drugs] explode all trees	12945
#28	MeSH descriptor: [Tranquilizing Agents] explode all trees	7216
#29	(Tranquiliz*):ti,ab,kw	1220

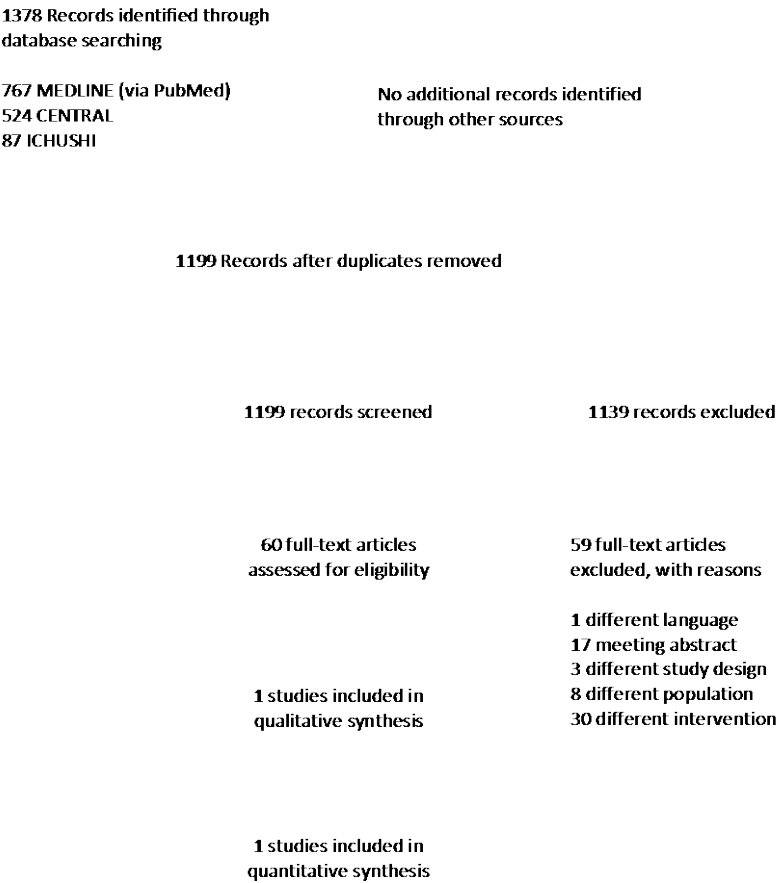
#30	MeSH descriptor: [Antipsychotic Agents] explode all trees	4354
#31	(Antipsychotic*):ti,ab,kw	9321
#32	MeSH descriptor: [Haloperidol] explode all trees	1343
#33	(Haloperidol):ti,ab,kw	3246
#34	MeSH descriptor: [Quetiapine Fumarate] explode all trees	618
#35	(Quetiapine):ti,ab,kw	1824
#36	(Ziprasidone):ti,ab,kw	774
#37	MeSH descriptor: [Rosuvastatin Calcium] explode all trees	924
#38	(Rosuvastatin):ti,ab,kw	2197
#39	MeSH descriptor: [Simvastatin] explode all trees	1627
#40	(Simvastatin):ti,ab,kw	3605
#41	MeSH descriptor: [Dexmedetomidine] explode all trees	1314
#42	(Dexmedetomidine):ti,ab,kw	3772
#43	#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	606899
#44	#13 AND #22 AND #43	535
	Trials	524

医学中央雑誌 search strategy (検索日 2019 年 4 月 22 日)

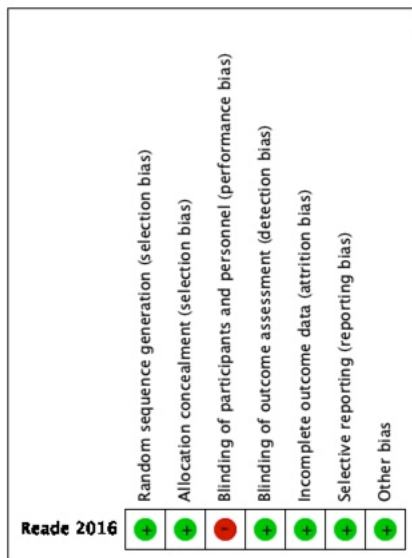
#1	(敗血症/TH or 敗血症/TA) and (PT=会議録除く)	22405
#2	(ショック-敗血症性/TH or 敗血症性/TA or ショック/TA) and (PT=会議録除く)	24933
#3	(危篤/TH or 危篤/TA) and (PT=会議録除く)	150
#4	(クリティカルケア/TH or クリティカルケア/TA or 集中治療/TA) and (PT=会議録除く)	12975
#5	(ICU/TH or ICU/TA) and (PT=会議録除く)	45475
#6	#1 or #2 or #3 or #4 or #5	90181
#7	(せん妄/TH or せん妄/TA) and (PT=会議録除く)	8252
#8	(意識障害/TH or 意識障害/TA) and (PT=会議録除く)	30907
#9	(認知機能低下/TH or 認知機能低下/TA) and (PT=会議録除く)	4039
#10	(敗血症関連脳症/TH or 敗血症関連脳症/TA) and (PT=会議録除く)	10
#11	(認知障害/TH or 認知障害/TA or 認知機能障害/TA) and (PT=会議録除く)	13905

#12	#7 or #8 or #9 or #10 or #11	51896
#13	(薬物療法/TH or 薬物/TA) and (PT=会議録除く)	390112
#14	(治療的利用/TH or 治療的利用/TA) and (PT=会議録除く)	740773
#15	(中枢神経系作用剤/TH or 中枢神経系作用/TA) and (PT=会議録除く)	158573
#16	(向精神剤/TH or 向精神/TA) and (PT=会議録除く)	52494
#17	(精神安定剤/TH or 精神安定/TA) and (PT=会議録除く)	35287
#18	(抗不安剤/TH or 抗不安/TA) and (PT=会議録除く)	15126
#19	(Haloperidol/TH or Haloperidol/TA or ハロペリドール/TA) and (PT=会議録除く)	3358
#20	(Quetiapine/TH or Quetiapine/TA or クエチアピン/TA) and (PT=会議録除く)	1607
#21	(Ziprasidone/TH or Ziprasidone/TA or ジプラシドン/TA) and (PT=会議録除く)	72
#22	(Rosuvastatin/TH or Rosuvastatin/TA or ロスバスタチン/TA) and (PT=会議録除く)	518
#23	(Simvastatin/TH or Simvastatin/TA or シンバスタチン/TA) and (PT=会議録除く)	987
#24	(Dexmedetomidine/TH or Dexmedetomidine/TA or デクスメデトミジン/TA) and (PT=会議録除く)	972
#25	#13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24	895495
#26	(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)	301704
#27	#6 and #12 and #25 and #26	87

PRISMA フロー図

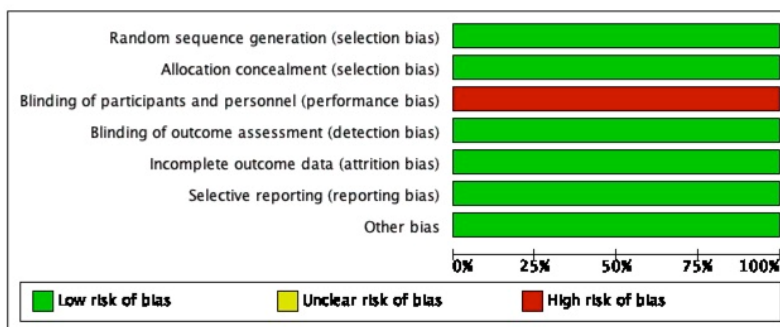


Risk of Bias サマリー



Caption

Risk of bias summary: review authors' judgements about each risk of bias item for each included study.

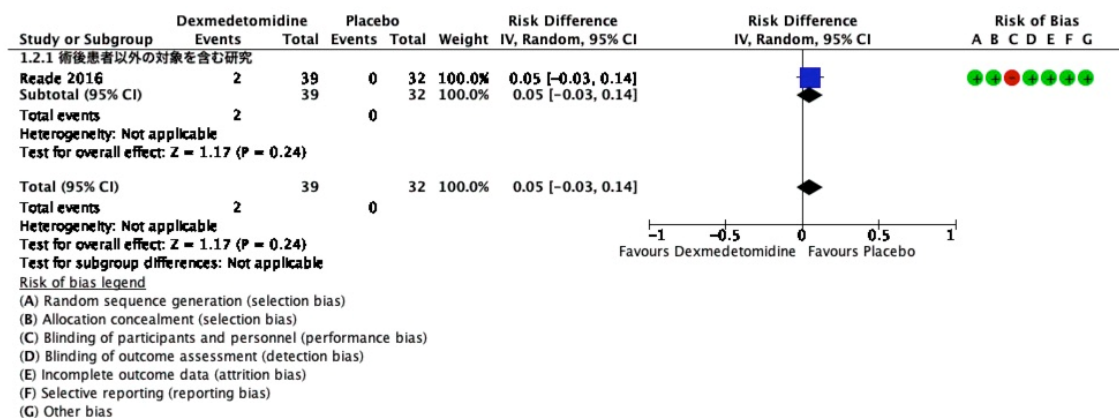


Caption

Risk of bias graph: review authors' judgements about each risk of bias item presented as percentages across all included studies.

フォレストプロット

アウトカム① 死亡（論文中報告されている最長のもの）



Caption

Forest plot of comparison: 1 Dexmedetomidine vs Placebo, outcome: 1.2 死亡.

アウトカム② ICU 退室後の認知機能障害

報告なし

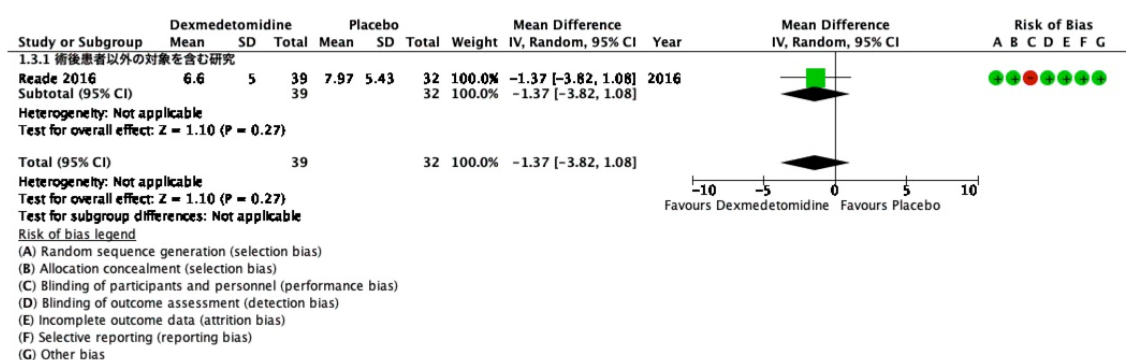
アウトカム③ せん妄日数（報告がない場合は、せん妄（昏睡）free days）

報告なし

アウトカム④ 重症な有害事象（致命的イベント、機能不全に関わるもの）

報告なし

アウトカム⑤ ICU 滞在期間

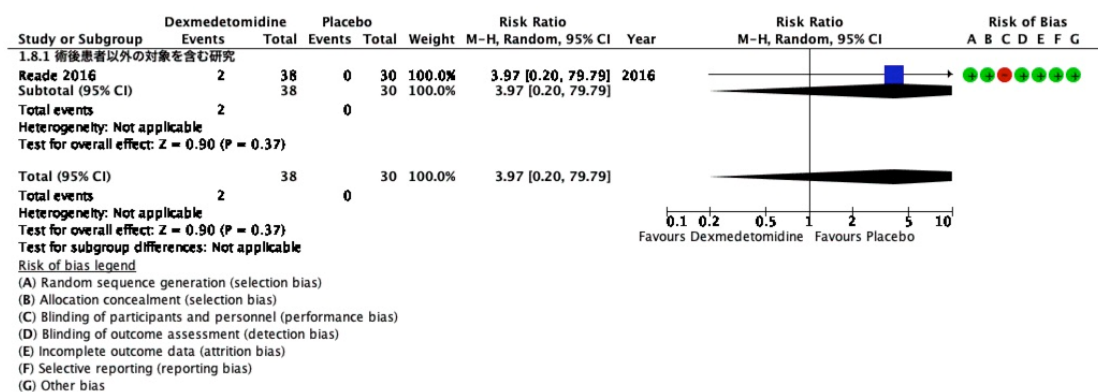


Caption

Forest plot of comparison: 1 Dexmedetomidine vs Placebo, outcome: 1.3 ICU滞在期間.

アウトカム⑥ あらゆる軽微な有害事象→未採択（参考値）

徐脈



Caption

Forest plot of comparison: 1 Dexmedetomidine vs Placebo, outcome: 1.8 徐脈（軽微な有害事象）.

低血圧

報告なし

サブグループ解析

術後患者を対象とした研究は含まれず

ファンネルプロット

文献数が 10 以下なので適応外と考えられる