

**CQ 18-9 初期輸液と循環作動薬に反応しない小児敗血症性ショックに対してステロイド投与を行うか？**

**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 31 年 4 月 26 日)

#1	Adolescent[mesh] OR Adolescent[tiab] OR child[mesh] OR child[tiab] OR infant[mesh] OR infant[tiab] OR pediatrics[mesh] OR pediatrics[tiab]	3565472
#2	Sepsis[mesh] OR sepsis[tiab] OR septic[tiab] OR "Systemic inflammatory response syndrome"[mesh] OR "Systemic inflammatory response syndrome"[tiab] OR SIRS[tiab] OR "Multiple Organ Failure"[mesh] OR "Multiple Organ Failure"[tiab] OR MOF[tiab] OR "critical illness"[mesh] OR "critical illness"[tiab] OR "critical care"[mesh] OR "critical care"[tiab] OR "intensive care units"[mesh] OR "intensive care units"[tiab] OR "intensive care unit"[tiab] OR ICU[tiab]	393245
#3	hydrocortisone[MeSH Terms] OR hydrocortisone[tiab] OR glucocorticoid[MeSH Terms] OR glucocorticoid[tiab] OR steroid hormones[MeSH Terms] OR steroid [tiab]	558018
#4	(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]))	3887551
#5	#1 AND #2 AND #3 AND #4	799

CENTRAL search strategy (検索日 H31 年 4 月 26 日)

#1	MeSH descriptor: [Adolescent] explode all trees	98970
#2	(adolescent):ti,ab,kw	12235
		9

#3	MeSH descriptor: [Child] explode all trees	1142
#4	("Child"):ti,ab,kw	13026 7
#5	MeSH descriptor: [undefined] explode all trees	0
#6	(pediatric):ti,ab,kw	27701
#7	#1 OR #2 OR #3 OR #4 OR #5 OR #6	21699 4
#8	MeSH descriptor: [Sepsis] explode all trees	3998
#9	(septic):ti,ab,kw	4108
#10	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4328
#11	(Systemic Inflammatory Response Syndrome):ti,ab,kw	1194
#12	(SIRS):ti,ab,kw	676
#13	MeSH descriptor: [Multiple Organ Failure] explode all trees	384
#14	(Multiple Organ Failure):ti,ab,kw	1667
#15	("MOFS"):ti,ab,kw	9
#16	MeSH descriptor: [Critical Illness] explode all trees	1845
#17	(critically ill):ti,ab,kw	5980
#18	MeSH descriptor: [Critical Care] explode all trees	1918
#19	(critical care):ti,ab,kw	8789
#20	(intensive care):ti,ab,kw	25082
#21	(ICU):ti,ab,kw	10341
#22	#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 OR #21	41969
#23	MeSH descriptor: [Hydrocortisone] explode all trees	5701
#24	(hydrocortisone):ti,ab,kw	8875
#25	MeSH descriptor: [Glucocorticoids] explode all trees	4256
#26	(glucocorticoid):ti,ab,kw	3400
#27	MeSH descriptor: [Steroids] explode all trees	53668
#28	(steroid):ti,ab,kw	14322
#29	#23 OR #24 OR #25 OR #26 #27 OR #28	25894
#30	#7 AND #22 AND #29	202

医学中央雑誌 search strategy(検索日 H31 年 4 月 26 日)

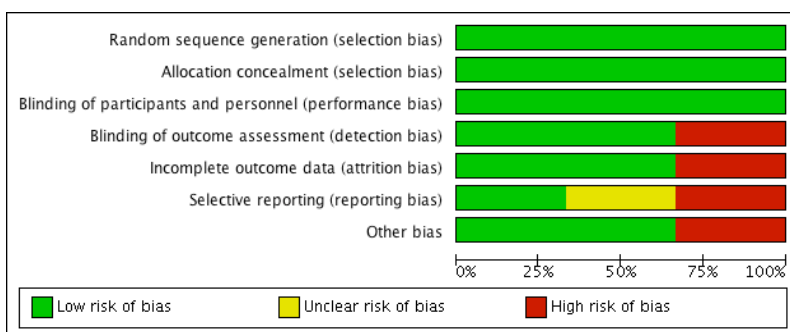
#1	((敗血症/TH or 敗血症/AL)) and (PT=会議録除く)	22,444
#2	((全身性炎症反応症候群/TH or 全身性炎症反応症候群/AL)) and (PT=会議録除く)	17,730
#3	(多臓器不全症候群/AL) and (PT=会議録除く)	61
#4	((多臓器不全/TH or 多臓器不全/AL)) and (PT=会議録除く)	6,287
#5	((クリティカルケア/TH or 集中治療/AL)) and (PT=会議録除く)	31,431
#6	((小児/TH or 小児/AL)) and (PT=会議録除く)	415,078
#7	((乳児/TH or 乳児/AL)) and (PT=会議録除く)	86,051
#8	((幼児/TH or 幼児/AL)) and (PT=会議録除く)	82,303
#9	((Glucocorticoids/TH or ステロイド/AL) or (Steroids/TH or ステロイド/AL) or (副腎皮質ホルモン/TH or ステロイド/AL)) and (PT=会議録除く)	173,055
#10	#1 or #2 or #3 or #4 or #5	56,686
#11	#6 or #7 or #8	446,893
#12	#9 and #10 and #11	472
#13	((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)) and (PT=会議録除く)	229,335
#14	#12 and #13	27



Flow Diagram

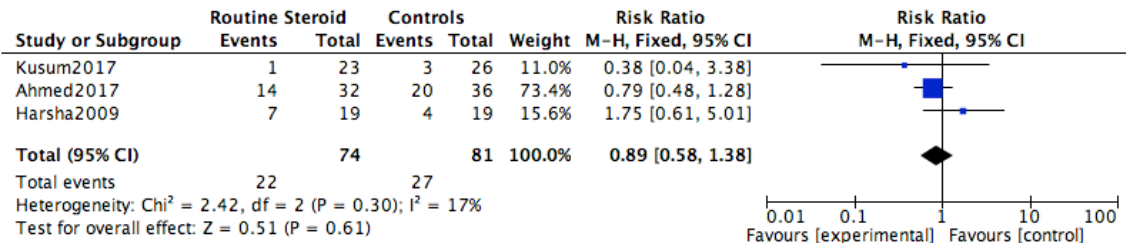
## ROB Table for "Mortality"

3



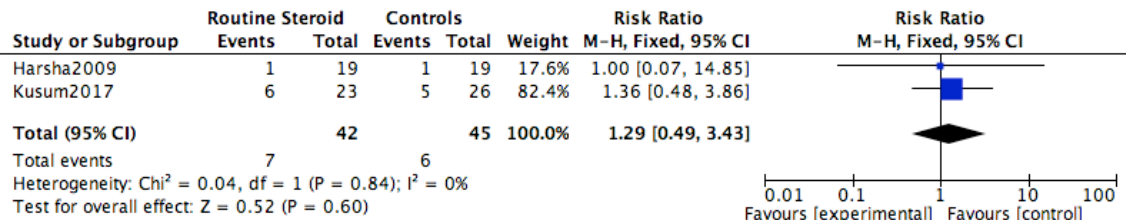
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Ahmed2017	+	+	+	+	-	-	-
Harsha2009	+	+	+	-	+	?	+
Kusum2017	+	+	+	+	+	+	+

### 1. Mortality



\*Ahmed2017: 30days mortality, Kusum2017: PICU mortality, Harsha2009: All death (denominator: unclear)

## 2. Adverse Events\*



\*New or secondary infection

## Results of Outcomes in Other Continuous Variables

### 3. Length of Hospital Stay: days

Study ID	Routine Steroids		Controlled	
	Medians	IQRs	Medians	IQRs
<b>Ahmed2017</b>	11.4*	8.2*	8.2*	5.3*
<b>Kusum2017</b>	10.7	5.4 - 25.9	9.6	7.1 - 20.9

\*Means +SDs

### 4. Reversal Shock Time: hours

Study ID	Routine Steroids		Controlled	
	Medians	IQRs	Medians	IQRs
<b>Ahmed2017</b>	60*	21.6*	139.2*	43.2*
<b>Harsha2009</b>	49.5	26 - 144	70	12 - 269

\*Means +SDs