

**CQ 7-2 初期輸液と循環作動薬に反応しない敗血症性ショック患者に対してハイドロコルチゾンとフルドロコルチゾンを投与すべきか？**

**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 28日)

#1	"Sepsis"[Mesh] OR sepsis[tiab] OR septic[tiab]	192238
#2	"Systemic inflammatory response syndrome"[mesh] OR "Systemic inflammatory response syndrome"[tiab] OR SIRS[tiab]	123788
#3	"Multiple Organ Failure"[mesh] OR " Organ Failure"[tiab] OR MOF[tiab] OR "organ dysfunction"[tiab] OR "MODS"[tiab]	37655
#4	"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]	262456
#5	virus[tiab] OR "Virus Diseases"[Mesh] OR viral[tiab]	1283555
#6	#1 OR #2 OR #3 OR #4 OR #5	1714391
#7	"Fludrocortisone"[Mesh] OR "fludrocortisone acetate" [Supplementary Concept] OR "Fludrocortisone"[tiab] OR "Mineralocorticoids"[Mesh] OR "Mineralocorticoids" [Pharmacological Action] OR "Mineralocorticoids"[tiab]	12284
#8	"Hydrocortisone"[Mesh] OR "hydrocortisone acetate" [Supplementary Concept] OR "Hydrocortisone"[tiab] OR "Glucocorticoids"[Mesh] OR "Glucocorticoids" [Pharmacological Action] OR "Glucocorticoids"[tiab]	261188
#9	#7 AND #8	4505
#10	(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]))	3888206

#10	#6 AND #9 AND #10	94
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CENTRAL search strategy (検索日 2019年4月30日)

#1	MeSH descriptor: [Sepsis] explode all trees	3998
#2	"sepsis":ti,ab,kw	10248
#3	septic:ti,ab,kw	4108
#4	MeSH descriptor: [Virus Diseases] explode all trees	25707
#5	virus:ti,ab,kw	29011
#6	viral:ti,ab,kw	18805
#7	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4328
#8	"systemic inflammatory response syndrome":ti,ab,kw	1020
#9	SIRS:ti,ab,kw	676
#10	MeSH descriptor: [Multiple Organ Failure] explode all trees	384
#11	"organ failure":ti,ab,kw	2807
#12	"organ failures":ti,ab,kw	174
#13	MOF:ti,ab,kw	141
#14	"organ dysfunction":ti,ab,kw	1416
#15	"organ dysfunctions":ti,ab,kw	114
#16	MODS:ti,ab,kw	247
#17	MeSH descriptor: [Critical Illness] explode all trees	1845
#18	MeSH descriptor: [Critical Care] explode all trees	1918
#19	MeSH descriptor: [Intensive Care Units] explode all trees	3260
#20	stressed:ti,ab,kw	958
#21	"critically ill":ti,ab,kw	5961
#22	"critical care":ti,ab,kw	3515
#23	"intensive care":ti,ab,kw	20327
#24	#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 or #21 or #22 or #23	85864
#25	MeSH descriptor: [Hydrocortisone] explode all trees	5701
#26	hydrocortisone:ti,ab,kw	8875
#27	"hydrocortisone acetate":ti,ab,kw	310
#28	MeSH descriptor: [Glucocorticoids] explode all trees	4256
#29	glucocorticoid:ti,ab,kw	3400

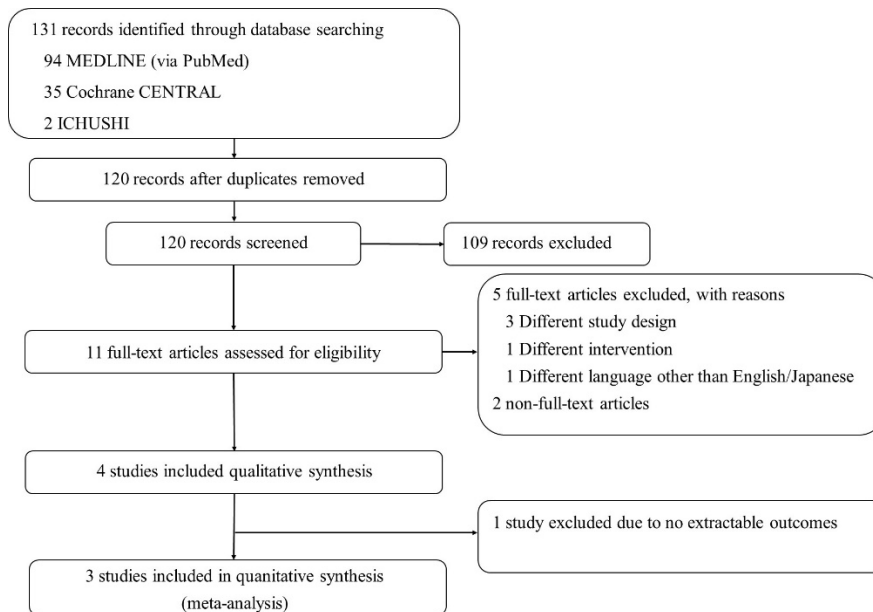
#30	glucocorticoids:ti,ab,kw	5943
#31	#25 or #26 or #27 or #28 or #29 or #30	15865
#32	MeSH descriptor: [Fludrocortisone] explode all trees	104
#33	fludrocortisone:ti,ab,kw	205
#34	"fludrocortisone acetate":ti,ab,kw	19
#35	MeSH descriptor: [Mineralocorticoids] explode all trees	45
#36	mineralocorticoid:ti,ab,kw	1018
#37	mineralocorticoids:ti,ab,kw	73
#38	#32 or #33 or #34 or #35 or #36 or #37	1181
#39	#31 and #38	283
#40	#24 and #39	33

医学中央雑誌 search strategy(検索日 2019年4月19日)

#1	((敗血症/TH or 敗血症/TA)) and (PT=会議録除く)	22,405
#2	((敗血症/TH or sepsis/TA)) and (PT=会議録除く)	15,909
#3	((敗血症/TH or septic/TA)) and (PT=会議録除く)	16,419
#4	((ウイルス性疾患/TH or ウイルス性疾患/TA)) and (PT=会議録除く)	118,817
#5	((ウイルス性疾患/TH or Virus/TA)) and (PT=会議録除く)	129,362
#6	((ウイルス性疾患/TH or Viral/TA)) and (PT=会議録除く)	119,145
#7	((全身性炎症反応症候群/TH or 全身性炎症反応症候群/TA)) and (PT=会議録除く)	17,730
#8	((全身性炎症反応症候群/TH or SIRS/TA)) and (PT=会議録除く)	17,846
#9	((多臓器不全/TH or 多臓器不全/TA)) and (PT=会議録除く)	6,286
#10	((多臓器不全/TH or MOF/TA)) and (PT=会議録除く)	4,899
#11	((多臓器不全/TH or MODS/TA)) and (PT=会議録除く)	3,763
#12	((危篤/TH or 危篤/TA)) and (PT=会議録除く)	150
#13	((危篤/TH or critical/TA)) and (PT=会議録除く)	2,134
#14	((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)	6,056
#15	((ICU/TH or ICU/TA)) and (PT=会議録除く)	45,475
#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	207,028
#17	((Hydrocortisone/TH or Hydrocortisone/TA)) and (PT=会議録除く)	6,304
#18	((Hydrocortisone/TH or ヒドロコルチゾン/TA)) and (PT=会議録除く)	6,372
#19	((Hydrocortisone/TH or ハイドロコルチゾン/TA)) and (PT=会議録除く)	5,976
#20	((Glucocorticoids/TH or Glucocorticoids/TA)) and (PT=会議録除く)	54,565

#21	((Glucocorticoids/TH or 糖質コルチコイド/TA)) and (PT=会議録除く)	54,736
#22	((Glucocorticoids/TH or グルココルチコイド/TA)) and (PT=会議録除く)	55,185
#23	#17 OR #18 OR #19 OR #20 OR #21 OR #22	56,502
#24	((Fludrocortisone/TH or Fludrocortisone/TA)) and (PT=会議録除く)	308
#25	((Fludrocortisone/TH or フルドロコルチゾン/TA)) and (PT=会議録除く)	316
#26	((Mineralocorticoids/TH or Mineralocorticoids/TA)) and (PT=会議録除く)	3,278
#27	((Mineralocorticoids/TH or 鉱質コルチコイド/TA)) and (PT=会議録除く)	3,366
#28	((Mineralocorticoids/TH or ミネラルコルチコイド/TA)) and (PT=会議録除く)	3,441
#29	#24 OR #25 OR #26 OR #27 OR #28	3,579
#30	#23 AND #29	820
#31	#16 AND #30	27
#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 臨床試験/AL	255,268
#33	#31 AND #32	2

## PRISMA フロー図

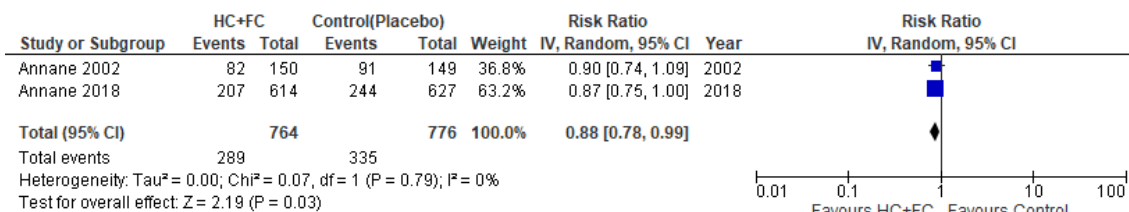


## Risk of Bias サマリー

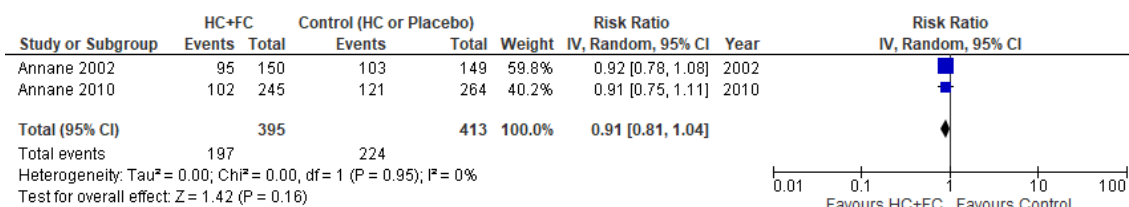
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Annane 2002	+	+	+	+	+	?	+
Annane 2010	+	+	+	+	+	+	+
Annane 2018	+	+	+	+	+	+	+

## フォレストプロット

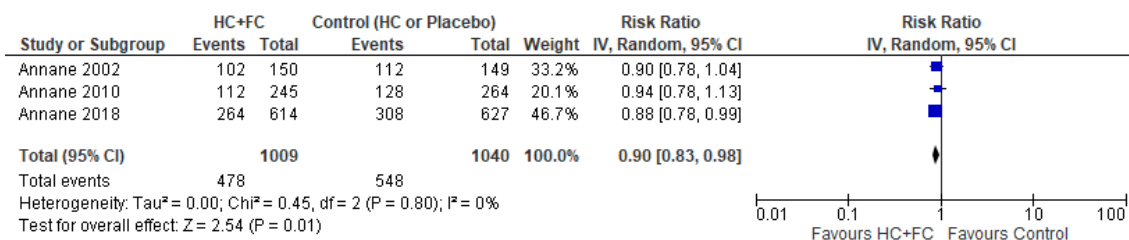
### アウトカム 1 28-day mortality



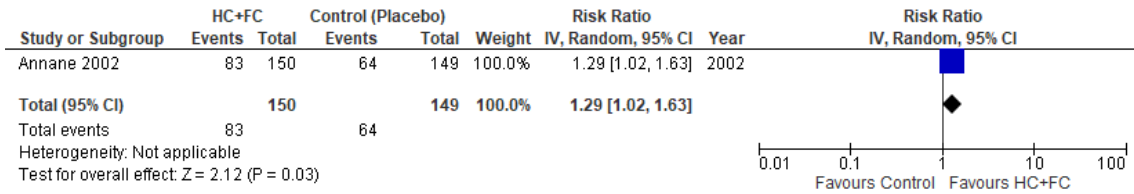
### アウトカム 2 In-hospital mortality



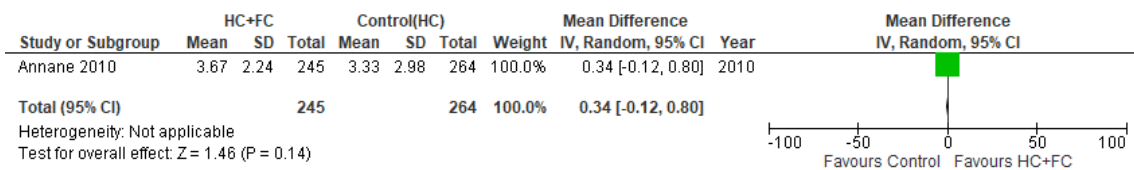
### アウトカム 3 long-term mortality(90day, 180 day , or 1year)



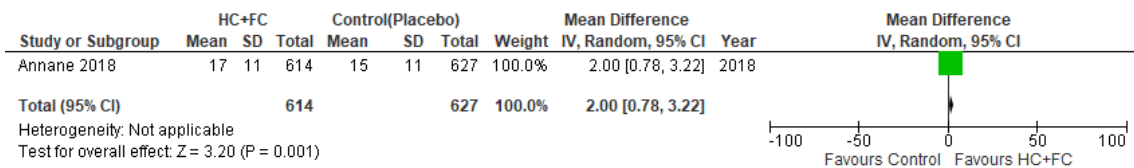
### アウトカム 4-1 Reversal from Shock (at 28day)



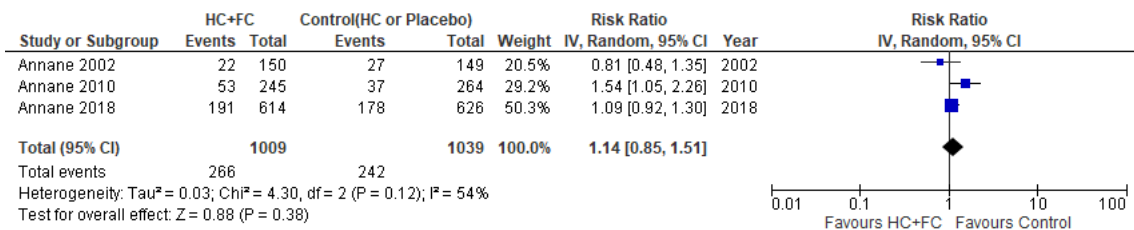
#### アウトカム 4-2 Vasopressor free days up to 7day



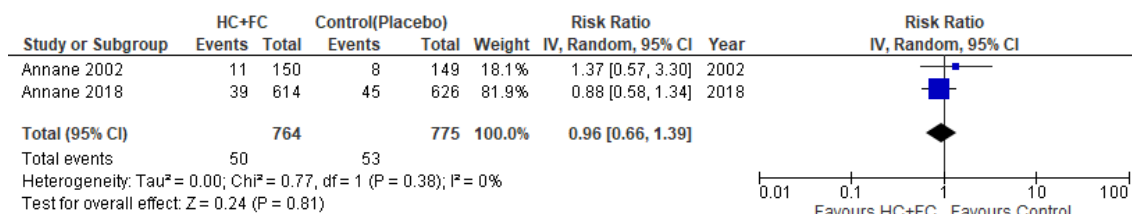
#### アウトカム 4-3 Vasopressor free days up to 28day



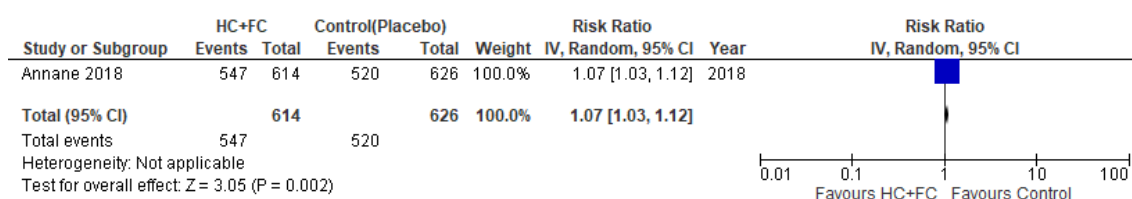
#### アウトカム 5 Superinfection



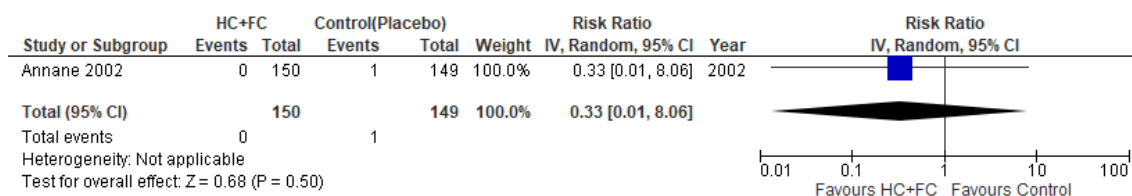
#### アウトカム 6 GI bleeding



### アウトカム 7 Hyperglycemia



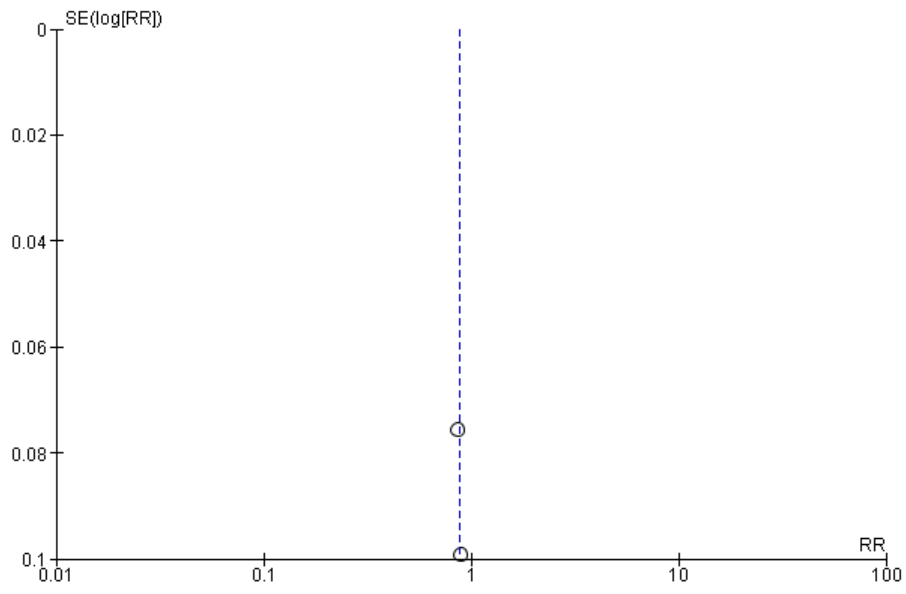
### アウトカム 8 Pshcyiatric disorders



## ファンネルプロット

### アウトカム 1 28-day mortality





アウトカム 3 long-term mortality(90day, 1year, or overall)

