

### CQ 15-3

敗血症性 DIC にアンチトロンビンの補充を行うか？

#### 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 27 日)

#1	“Sepsis” [Mesh] OR “Shock, Septic” [Mesh] OR “Systemic Inflammatory Response Syndrome” [Mesh] OR “Multiple Organ Failure” [Mesh] OR “Critical Illness” [Mesh] OR “Critical Care” [Mesh] OR “Intensive Care Units” [Mesh] OR “sepsis” [tiab] OR (“septic” [tiab] AND “shock” [tiab]) OR “systemic inflammatory response syndrome” [tiab] OR SIRS [tiab] OR “multiple organ dysfunction” [tiab] OR “multiple organ failure” [tiab] OR MOF [tiab] OR “critically ill” [tiab] OR “stressed” [tiab] OR “critical care” [tiab] OR “intensive care” [tiab] OR “Disseminated Intravascular Coagulation” [Mesh] OR “Thrombocytopenia” [Mesh] OR “Blood Coagulation Disorders” [Mesh] OR “Disseminated Intravascular Coagulation” [tiab] OR “DIC” [tiab] OR “thrombocytopenic” [tiab] OR “coagulopathy” [tiab] OR (“Coagulation” [tiab] AND “Disorder*” [tiab])	562968
#2	“Antithrombins” [Mesh] OR “Antithrombin Proteins” [Mesh] OR “Antithrombin III” [Mesh] OR “Antithrombin” [tiab] OR “Antithrombin III” [tiab] OR AT [tiab] OR “AT III” [tiab]	26529
#3	“randomized controlled trial” [pt] OR “controlled clinical trial” [pt] OR “randomized” [tiab] OR “randomly” [tiab] OR “placebo” [tiab] OR “clinical trials as topic” [mesh:noexp] OR “trial” [ti] NOT (“animals” [mh] NOT “humans” [mh])	1123161
#4	#1 AND #2 AND #3 AND	433

CENTRAL search strategy (検索日 2019 年 4 月 27 日)

#1	MeSH descriptor: [Sepsis] explode all trees	3998
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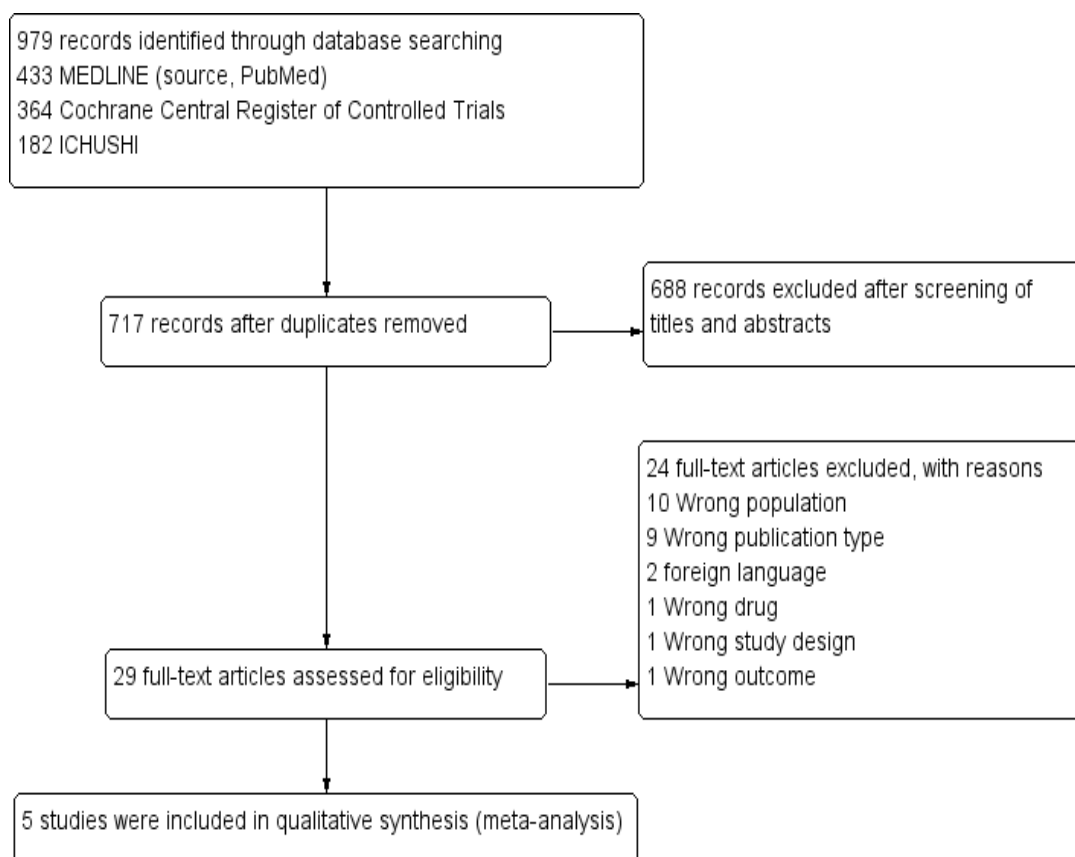
#2	MeSH descriptor: [Shock, Septic] explode all trees	771
#3	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4328
#4	MeSH descriptor: [Multiple Organ Failure] explode all trees	384
#5	MeSH descriptor: [Critical Illness] explode all trees	1845
#6	MeSH descriptor: [Critical Care] explode all trees	1918
#7	MeSH descriptor: [Intensive Care Units] explode all trees	3260
#8	(sepsis):ti,ab,kw	10248
#9	(septic):ti,ab,kw	4108
#10	(systemic inflammatory response syndrome):ti,ab,kw	1194
#11	(SIRS):ti,ab,kw	676
#12	(multiple organ dysfunction):ti,ab,kw	772
#13	(multiple organ failure):ti,ab,kw	1667
#14	(MOF):ti,ab,kw	141
#15	(critically ill):ti,ab,kw	5980
#16	(stressed):ti,ab,kw	958
#17	(critical care):ti,ab,kw	8789
#18	(intensive care):ti,ab,kw	25082
#19	MeSH descriptor: [Disseminated Intravascular Coagulation] explode all trees	105
#20	MeSH descriptor: [Thrombocytopenia] explode all trees	1144
#21	MeSH descriptor: [Blood Coagulation Disorders] explode all trees	1466
#22	(DIC):ti,ab,kw	327
#23	(disseminated intravascular coagul*):ti,ab,kw	383
#24	(thrombocytopenic):ti,ab,kw	1234
#25	(coagulopathy):ti,ab,kw	1091
#26	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 #8 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 #24 OR #25	42214
#27	MeSH descriptor: [Antithrombins] explode all trees	760
#28	MeSH descriptor: [Antithrombin Proteins] explode all trees	781
#29	MeSH descriptor: [Antithrombin III] explode all trees	477
#30	(Antithrombin):ti,ab,kw	1780
#31	(ATIII):ti,ab,kw	183
#32	#27 OR #28 OR #29 OR #30 OR #31	2598

#33	#26 AND #32	364
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医学中央雑誌 search strategy(検索日 2019年4月27日)

#1	((敗血症/TH or 敗血症/TA or sepsis/TA or septic/TA) and (PT=会議録除く) and (PT=会議録除く)	23,321
#2	(ショック-敗血症性/TH or 敗血症性ショック/TA) and (PT=会議録除く)	6,145
#3	(多臓器不全/TH or 多臓器不全/TA) and (PT=会議録除く)	6,286
#4	(全身性炎症反応症候群/TH or 全身性炎症反応症候群/TA or systemic/AL and inflammatory/AL and response/AL and syndrome/TA or SIRS/TA) and (PT=会議録除く)	1,607
#5	(全身性炎症反応症候群/TH or 全身性炎症反応症候群/TA or "systemic inflammatory response syndrome"/TA or SIRS/TA) and (PT=会議録除く)	17,970
#6	(ICU/TH or ICU/TA or 集中治療室/TA) and (PT=会議録除く)	46,943
#7	(DIC/TH or DIC/TA or "Disseminated Intravascular Coagulation"/TA or 播種性血管内凝固/TA) and (PT=会議録除く)	43,791
#8	(血小板減少症/TH or 血小板減少/AL) and (PT=会議録除く)	17,864
#9	(血液凝固異常/TH or 血液凝固異常/TA and or 過凝固/TA or 凝固障害/TA or 凝固亢進/TA) and (PT=会議録除く)	1,515
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9	129,154
#11	(Antithrombins/TH or Antithrombin/TA or アンチトロンビン/TA or "ATIII"/TA) and (PT=会議録除く)	7,352
#12	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	301,704
#13	#10 and #11 and #12	182

## PRISMA フロー図

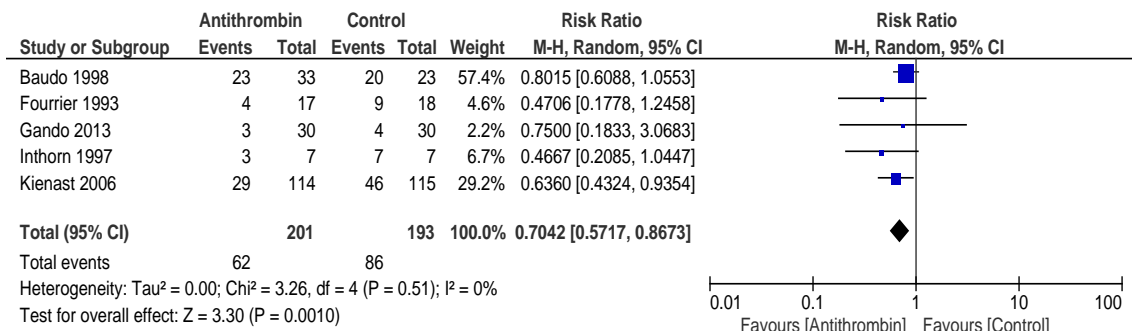


## Risk of Bias サマリー

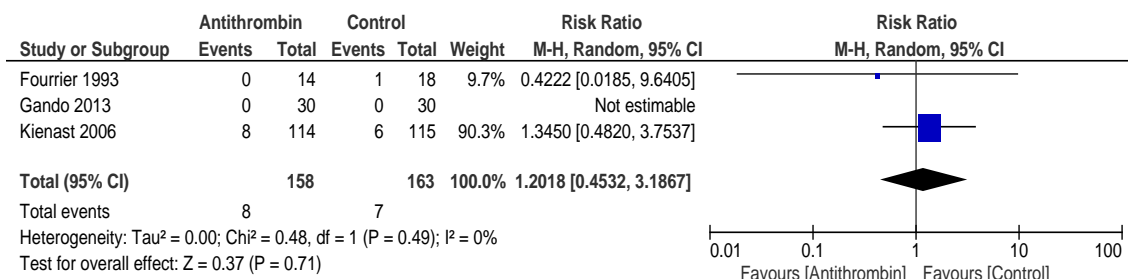
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Baudo 1998	+	+	+	+	+	+	+
Fourrier 1993	+	+	+	+	+	?	+
Gando 2013	+	+	-	-	+	+	+
Inthorn 1997	?	?	?	?	-	+	+
Kienast 2006	+	+	+	+	+	+	+

## フォレストプロット

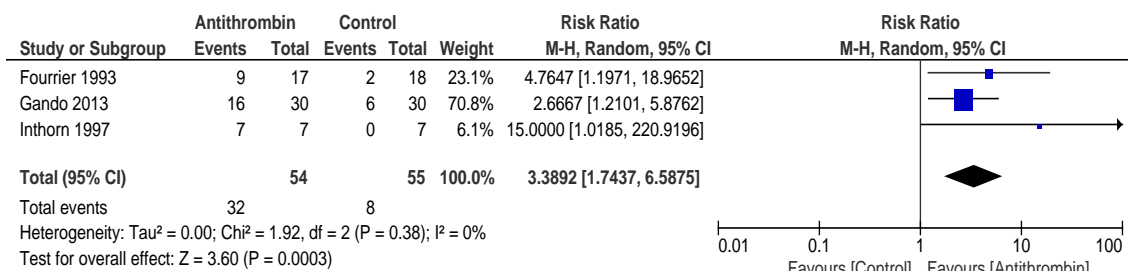
### 死亡率



## 出血性合併症

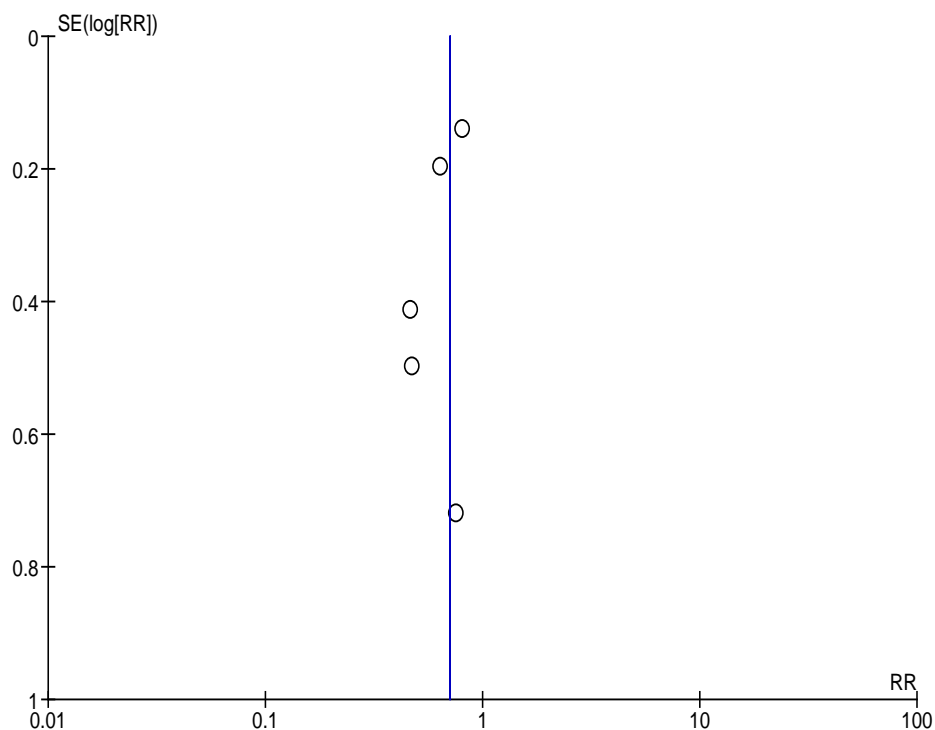


## DIC 改善

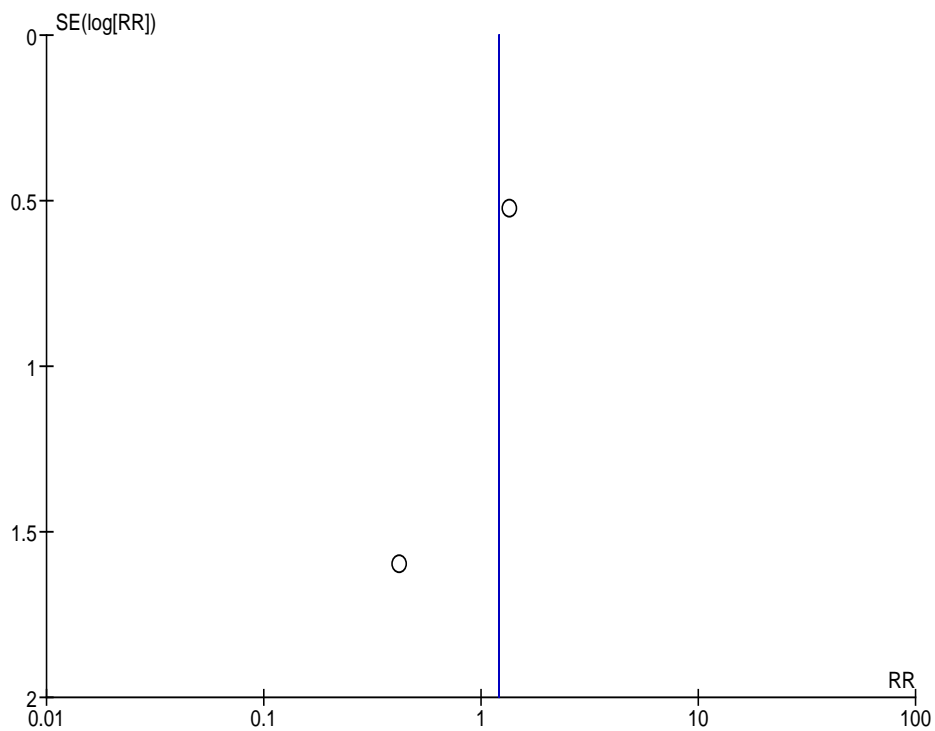


## ファンネルプロット

### 死亡率



### 出血性合併症



### DIC 改善

