

**CQ 13-1 敗血症患者において毛細管血を用いた簡易血糖測定装置による血糖測定を行うか？**

**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10日)

#1	("intensive care units"[MeSH Terms] OR ("intensive"[All Fields] AND "care"[All Fields] AND "units"[All Fields]) OR "intensive care units"[All Fields]) OR ("critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields]) OR ("critical illness"[MeSH Terms] OR ("critical"[All Fields] AND "illness"[All Fields]) OR "critical illness"[All Fields]) OR ("postoperative care"[MeSH Terms] OR ("postoperative"[All Fields] AND "care"[All Fields]) OR "postoperative care"[All Fields]) OR ("sepsis"[MeSH Terms] OR "sepsis"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields]) OR ("stroke"[MeSH Terms] OR "stroke"[All Fields]) OR ("cardiovascular surgical procedures"[MeSH Terms] OR ("cardiovascular"[All Fields] AND "surgical"[All Fields] AND "procedures"[All Fields]) OR "cardiovascular surgical procedures"[All Fields]) OR ("wounds and injuries"[MeSH Terms] OR ("wounds"[All Fields] AND "injuries"[All Fields]) OR "wounds and injuries"[All Fields])	2170968
#2	((("insulin"[MeSH Terms] OR "insulin"[All Fields]) OR ("glycemic control"[All Fields])) OR ("glycemic"[All Fields] AND "control"[All Fields]) OR ("blood glucose"[MeSH Terms] OR ("blood"[All Fields] AND "glucose"[All Fields]) OR "blood glucose"[All Fields]))	550250
#3	("Bland Altman"[All Fields] OR "agreement"[All Fields] OR "validation"[All Fields] OR "reliability"[All Fields] OR	1722093

	“accuracy”[All Fields] OR “correlation”[All Fields] OR “Clarke error grid”[All Fields] OR “bias”[All Fields])	
#4	#1 AND #2 AND #3	2112

CENTRAL search strategy(検索日 2019年5月1日)

#1	MeSH descriptor: [intensive care units] explode all trees	3286
#2	(Intensive care units): ti,ab,kw	5160
#3	MeSH descriptor: [critical illness] explode all trees	1859
#4	(critical illness): ti,ab,kw	3011
#5	MeSH descriptor: [critical care] explode all trees	1924
#6	(critical care): ti,ab,kw	3542
#7	MeSH descriptor: [postoperative care] explode all trees	4305
#8	(postoperative care): ti,ab,kw	7904
#9	MeSH descriptor: [sepsis] explode all trees	4028
#10	(sepsis): ti,ab,kw	10322
#11	MeSH descriptor: [myocardial infarction] explode all trees	10264
#12	(myocardial infarction): ti,ab,kw	27586
#13	MeSH descriptor: [stroke] explode all trees	8172
#14	(stroke): ti,ab,kw	48908
#15	MeSH descriptor: [cardiovascular surgical procedures] explode all trees	18638
#16	(cardiovascular surgical procedures): ti,ab,kw	118
#17	MeSH descriptor: [wounds and injuries] explode all trees	22407
#18	(wounds and injuries): ti,ab,kw	2516
#19	#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	129520
#20	MeSH descriptor: [insulins] explode all trees	12996
#21	(insulin): ti,ab,kw	53364
#22	MeSH descriptor: [blood glucose] explode all trees	15044
#23	(blood glucose): ti,ab,kw	26393
#24	(glycemic control)	12224
#25	#20 OR #21 OR #22 OR #23 OR #24	64828
#26	(Bland Altman)	1088
#27	(agreement)	13317

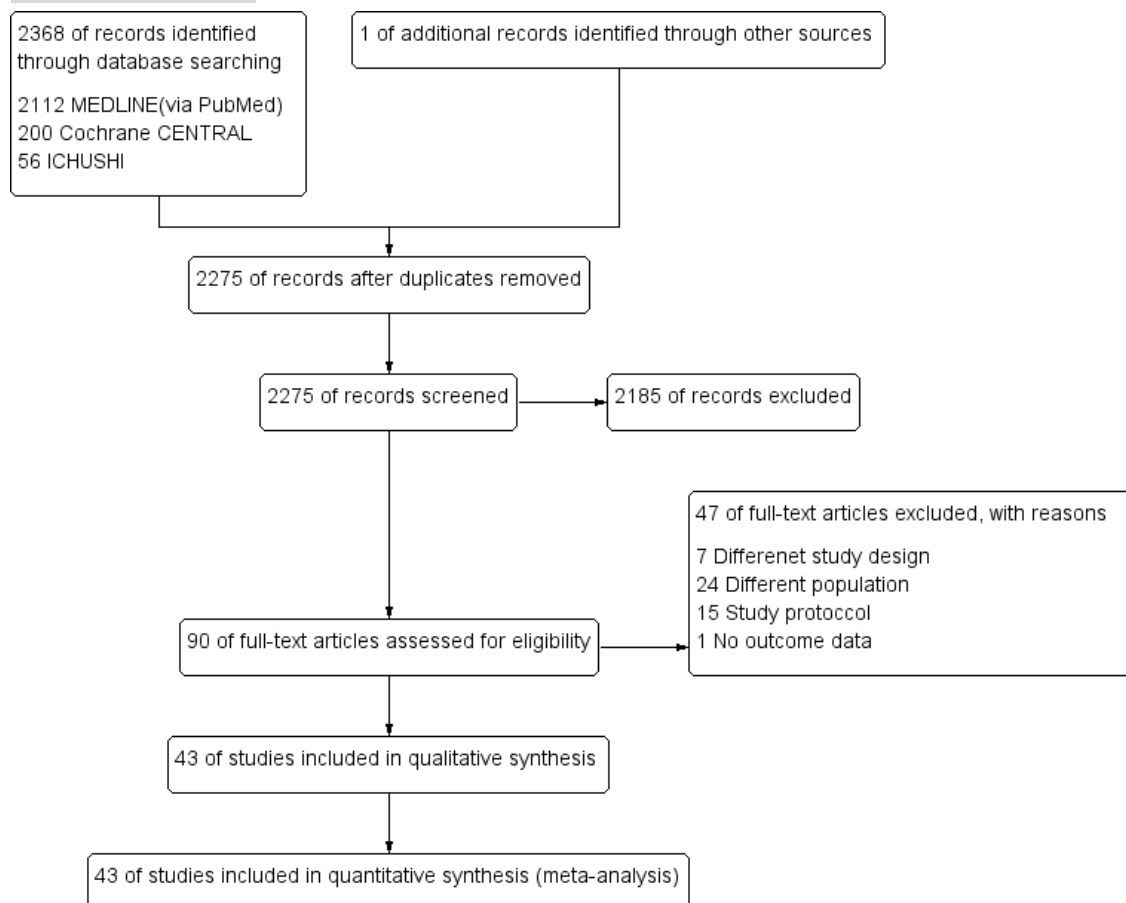
#28	(validation)	13910
#29	(reliability)	11029
#30	(accuracy)	25118
#31	(correlation)	41323
#32	(Clarke Error grid)	29
#33	(bias)	22496
#34	#26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33	101124
#35	#19 AND #25 AND #34	248(200)

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

#1	((((手術創感染/TH or 手術創感染/AL or 創部感染/AL or 創感染/AL) and (PT=会議録除く)) or ((心筋梗塞/TH or 心筋梗塞/AL) and (PT=会議録除く)) or ((脳卒中/TH or 脳卒中/AL) and (PT=会議録除く)) or (((脳梗塞/TH or 脳梗塞/AL)) and (PT=会議録除く)) or (((脳出血/TH or 脳出血/AL)) and (PT=会議録除く)) or (((クリティカルケア/TH or クリティカルケア/AL or critical/AL or 集中治療/AL)) and (PT=会議録除く)) or ((ICU/TH or ICU/AL or "intensive care"/AL) and (PT=会議録除く)) or (((心筋梗塞/TH or 心筋梗塞/AL)) and (PT=会議録除く)) or (((開心術/TH or 開心術/AL)) and (PT=会議録除く)) or (((心臓血管外科/TH or 心臓血管外科/AL or 心血管手術/AL)) and (PT=会議録除く)) or ((重症患者/AL) and (PT=会議録除く)))	291,053
#2	(((((血糖/TH or 血糖/AL)) and (PT=会議録除く)) or (((Insulin/TH or Insulin/AL or インスリン/AL)) and (PT=会議録除く)) or (((Glucose/TH or glucose/AL)) and (PT=会議録除く)))	101,759
#3	((((Bland/AL and Altman/AL) and (PT=会議録除く)) or ((Clarke/AL and grid/AL) and (PT=会議録除く)) or ((agreement/AL) and (PT=会議録除く)) or (((バリデーション/TH or バリデーション/AL or validation/AL or 妥当性/AL)) and (PT=会議録除く)) or (((結果再現性/TH or reliability/AL or 信頼性/AL)) and (PT=会議録除く)) or ((accuracy/AL or 正確度/AL or 精度/AL) and (PT=会議録除く)))	57,291
#4	#1 and #2 and #3	56

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### PRISMA フロー図



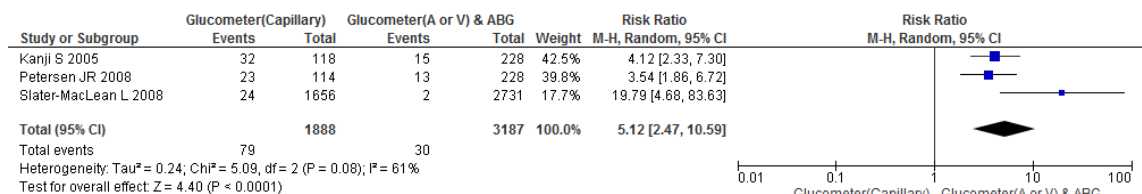
## Risk of Bias サマリー

	Bias due to confounding selection of participants into the study	Bias in classification of interventions	Bias due to deviations from intended interventions	Bias due to missing data	Bias in measurement of outcomes	Bias in selection of the reported result
Allardet-Servent 2017	+	+	?	+	+	+
Claerhout H 2016	+	+	?	+	+	+
Cook A 2009	+	+	?	+	+	+
Corstjens AM 2006	+	+	?	?	+	+
Critchell CD 2007	+	+	?	+	+	+
Desachy A 2008	+	+	+	+	+	+
DuBose JJ 2012	+	+	+	+	+	+
Ellis M 2013	+	+	?	+	+	+
Garingarao CJ 2014	+	+	+	+	+	+
Hoedemaekers CW 2008	+	+	?	+	+	+
Kanji S 2005	+	+	+	+	+	+
Karon BS 2007	+	●	?	+	+	+
Karon BS 2008	+	?	?	?	+	+
Karon BS 2014	+	+	?	+	+	+
Lonjaret 2012	+	+	?	+	+	+
Mahmoodpoor A 2016	+	+	?	+	?	+
Meynaar IA 2009	+	+	?	+	+	+
Mitsios J 2013	+	+	?	+	+	+
Petersen JR 2008	+	+	?	+	+	+
Poesen K 2013	+	?	?	?	+	+
Prakash S 2018	+	+	?	+	+	+
Pulzi Junior SA 2009	+	+	?	+	+	+
Slater-MacLean L 2008	+	+	?	+	+	+
Stadlbauer V 2011	+	+	?	?	+	+
Uyanik M 2015	?	?	?	?	+	+
Watkinson P 2012	+	+	+	+	+	+
Zhang R 2017	+	+	?	?	+	+

## フォレストプロット

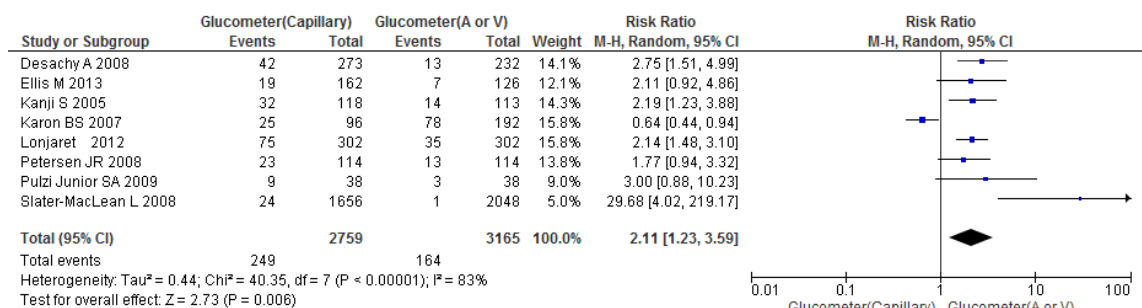
### Comparison①

動脈血及び静脈血を使用した簡易血糖測定・血液ガス分析装置 vs 毛細血管を使用した簡易血糖測定器



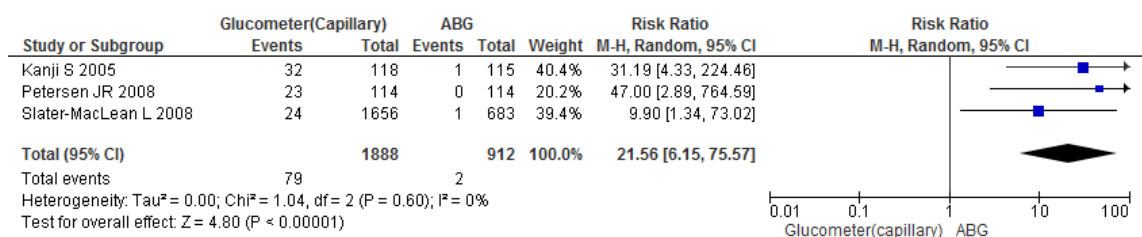
### Comparison②

動脈血及び静脈血を使用した簡易血糖測定 vs 毛細血管を使用した簡易血糖測定器



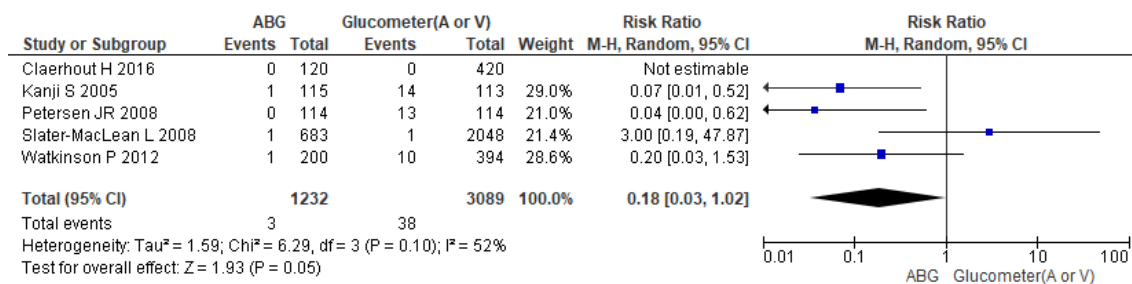
### Comparison③

動脈血及び静脈血を使用した血液ガス分析装置 vs 毛細血管を使用した簡易血糖測定器



### Comparison④

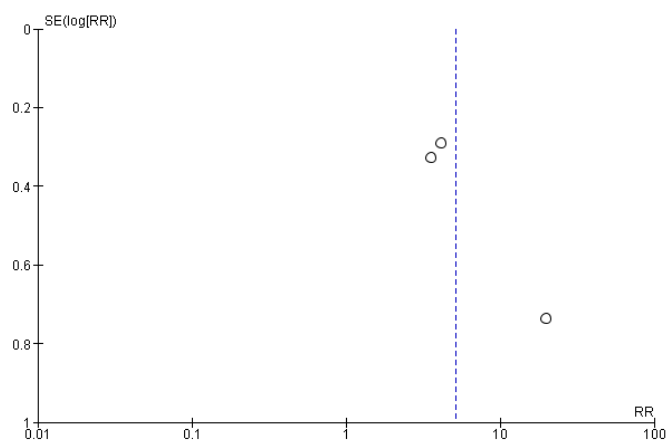
動脈血及び静脈血を使用した血液ガス分析装置 vs 動脈血及び静脈血を使用した簡易血糖測定



## ファンネルプロット

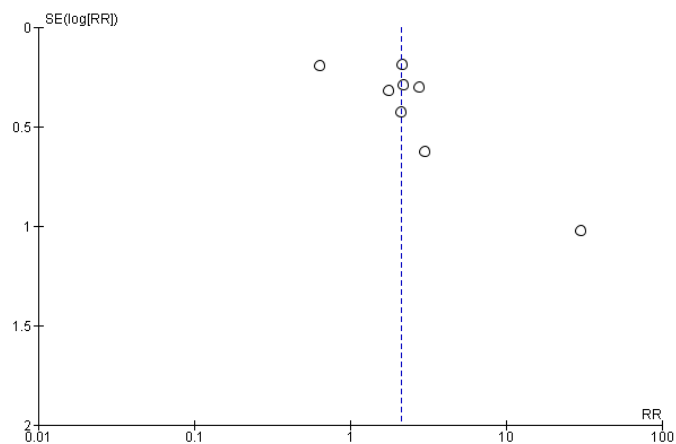
### Comparison①

動脈血及び静脈血を使用した簡易血糖測定・血液ガス分析装置 vs 毛細血管を使用した簡易血糖測定器



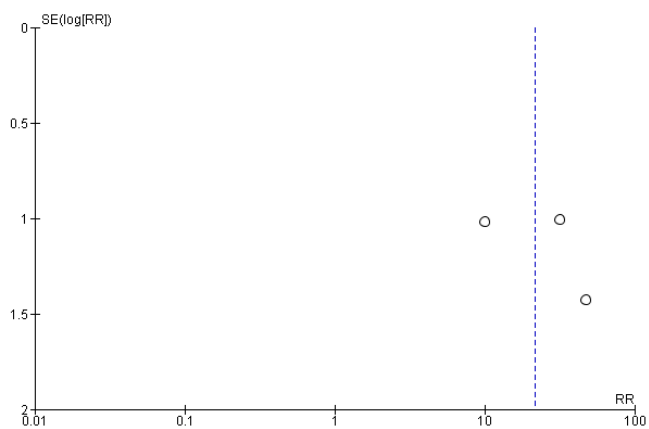
### Comparison②

動脈血及び静脈血を使用した簡易血糖測定 vs 毛細血管を使用した簡易血糖測定器



### Comparison③

動脈血及び静脈血を使用した血液ガス分析装置 vs 毛細血管を使用した簡易血糖測定器



### Comparison④

動脈血及び静脈血を使用した血液ガス分析装置 vs 動脈血及び静脈血を使用した簡易血糖測定

