

CQ 12-4 敗血症患者の治療開始初期では経腸栄養を消費エネルギーよりも少なく投与するか？

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 "critical illness"[Mesh] or "critical illness"[tiab]) or (seps*[tiab] OR septicem*[tiab] OR septicaem*[tiab] OR "blood stream infection"[tiab] OR endotoxi*[tiab]) or ("Systemic Inflammatory Response Syndrome"[Mesh] OR "Systemic Inflammatory Response Syndrome"[tiab] OR "SIRS"[tiab]) or ("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] or "acute disease"[Mesh] or "acute disease"[tiab]) or ("Respiration, Artificial*[Mesh] or "Postoperative Period"))))	776099
#2	(((((("underfeeding"[Mesh] or "underfeeding"[tiab] or "full feeding"[Mesh] or "full feeding"[tiab] or "hypocaloric"[Mesh] or "hypocaloric"[tiab] or "trophic"[tiab] or "Energy Intake*[Mesh]))))))	71518
#3	((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])))	3888733
#4	#1 and #2 and #3	566

Key PMID:すべて含む

CENTRAL search strategy (検索日 2019 年 4 月 30 日)

ID Search

Hits

#1	MeSH descriptor: [Sepsis] explode all trees	3998
#2	(sepsis):ti,ab,kw	10248
#3	MeSH descriptor: [Critical Illness] explode all trees	1845
#4	(critical illness):ti,ab,kw	3785
#5	(seps*):ti,ab,kw	10617
#6	(septicem*):ti,ab,kw	791
#7	(septicaem*):ti,ab,kw	342
#8	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4328
#9	(Systemic Inflammatory Response Syndrome):ti,ab,kw	1194
#10	("SIRS"):ti,ab,kw	676
#11	MeSH descriptor: [Critical Illness] explode all trees	1845
#12	("critical illness"):ti,ab,kw	2988
#13	MeSH descriptor: [Critical Care] explode all trees	1918
#14	("critical care"):ti,ab,kw	3515
#15	MeSH descriptor: [Intensive Care Units] explode all trees	3260
#16	(Intensive Care Units):ti,ab,kw	5825
#17	MeSH descriptor: [] explode all trees	0
#18	(stressed):ti,ab,kw	958
#19	MeSH descriptor: [Critical Illness] explode all trees	1845

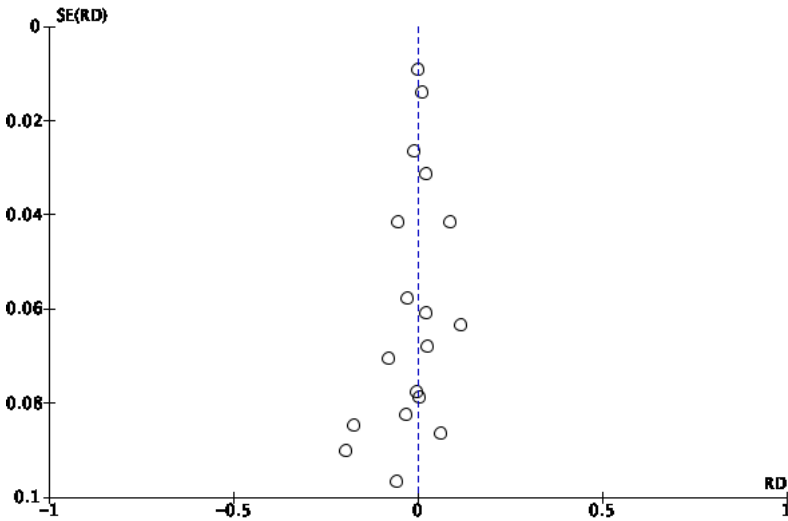
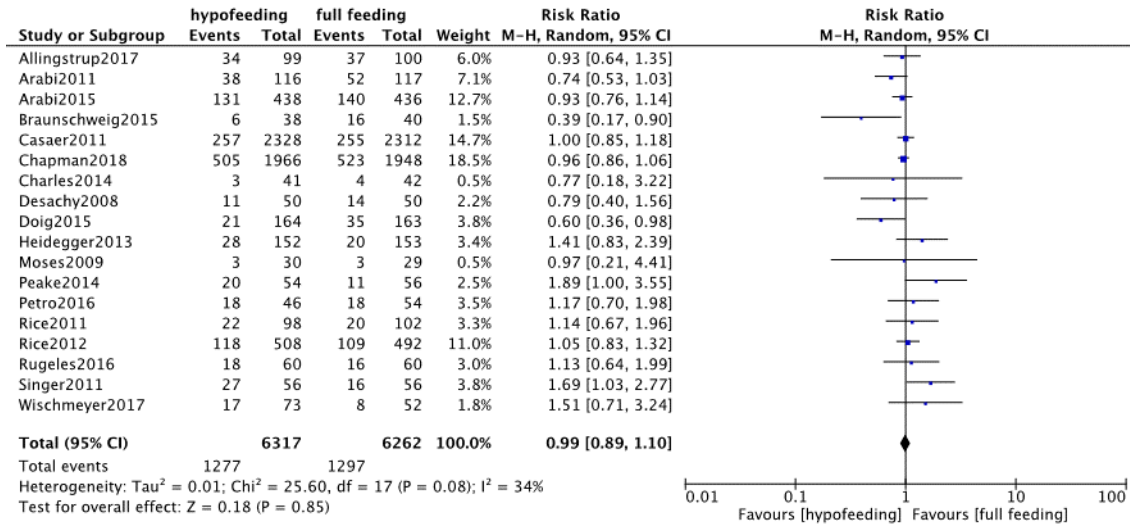
#20	(critically ill):ti,ab,kw	5980
#21	MeSH descriptor: [Critical Illness] explode all trees	1845
#22	(critically ill):ti,ab,kw	5980
#23	(critical care):ti,ab,kw	8789
#24	("intensive care"):ti,ab,kw	20327
#25	MeSH descriptor: [Acute Disease] explode all trees	9257
#26	(acute disease):ti,ab,kw	41120
#27	MeSH descriptor: [Respiration, Artificial] explode all trees	5721
#28	(Respiration, Artificial*):ti,ab,kw	3431
#29	MeSH descriptor: [Postoperative Period] explode all trees	5523
	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or	
#30	#13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or	87145
	#23 or #24 or #25 or #26 or #27 or #28 or #29	
#31	MeSH descriptor: [] explode all trees	0
#32	(underfeeding):ti,ab,kw	67
#33	MeSH descriptor: [] explode all trees	0
#34	(full feeding):ti,ab,kw	1232
#35	MeSH descriptor: [] explode all trees	0
#36	(hypocaloric):ti,ab,kw	919
#37	(trophic):ti,ab,kw	339

#38	MeSH descriptor: [Energy Intake] explode all trees	5007
#39	#31 or #32 or #33 or #34 or #35 or #36 or #37 or #38	7254
#40	#30 and #39	680

医学中央雑誌 search strategy (検索日 2019年4月26日)

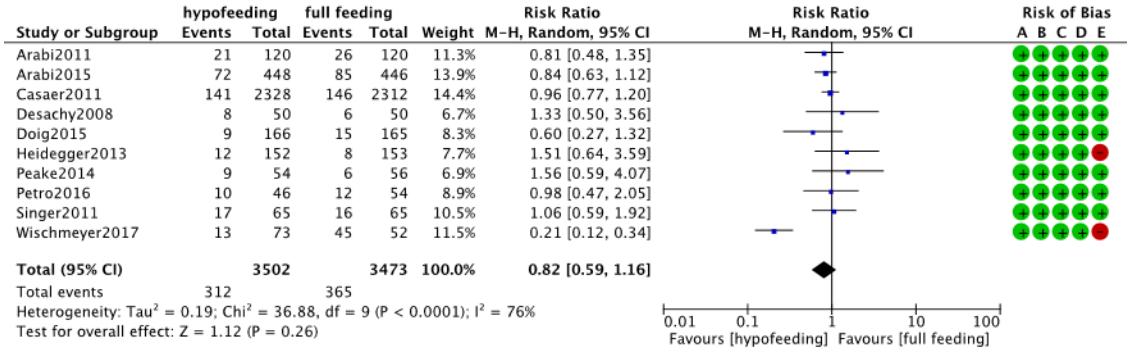
#1	(敗血症/TH or 敗血症/TA)	46668
#2	(危篤/TH or 危篤/TA)	220
#3	#1 or #2	46863
#4	underfeeding/TA	24
#5	(カロリー制限/TH or カロリー制限/TA)	2166
#6	(エネルギー摂取量/TH or エネルギー摂取量/TA)	9635
#7	full/TA and (給餌/TH or feeding/TA)	13
#8	#4 or #5 or #6 or #7	9905
#9	#3 and #8	49

Overall Mortality

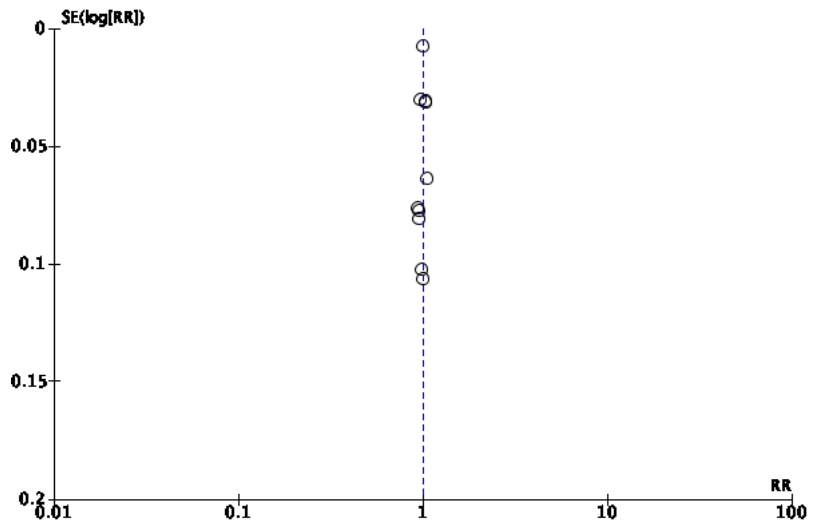


ICU

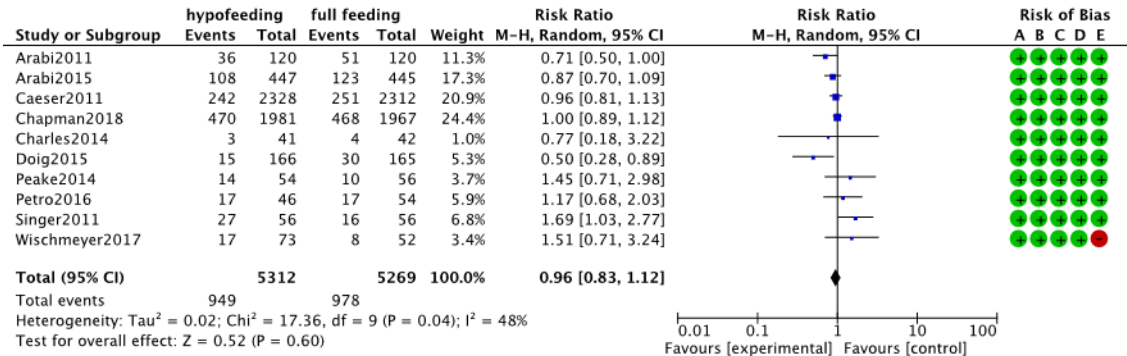
Mortality



Risk of bias legend
 (A) Random sequence generation (selection bias)
 (B) Allocation concealment (selection bias)
 (C) Incomplete outcome data (attrition bias)
 (D) Selective reporting (reporting bias)
 (E) Other bias

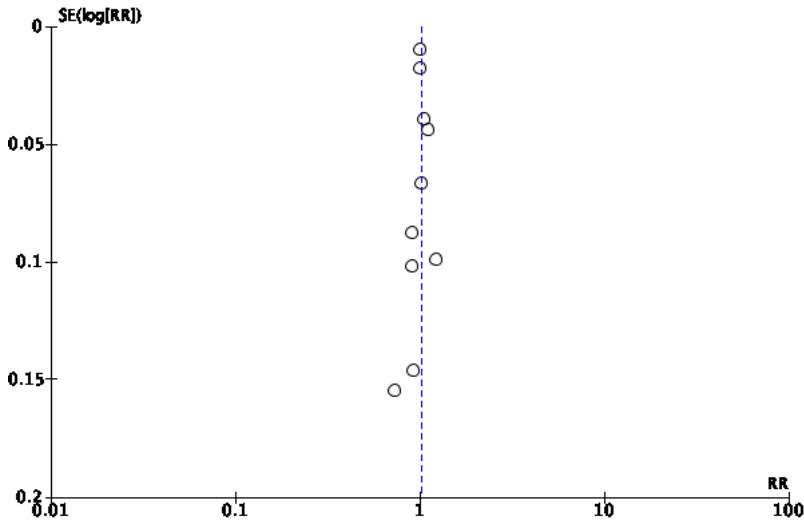


Hospital Mortality

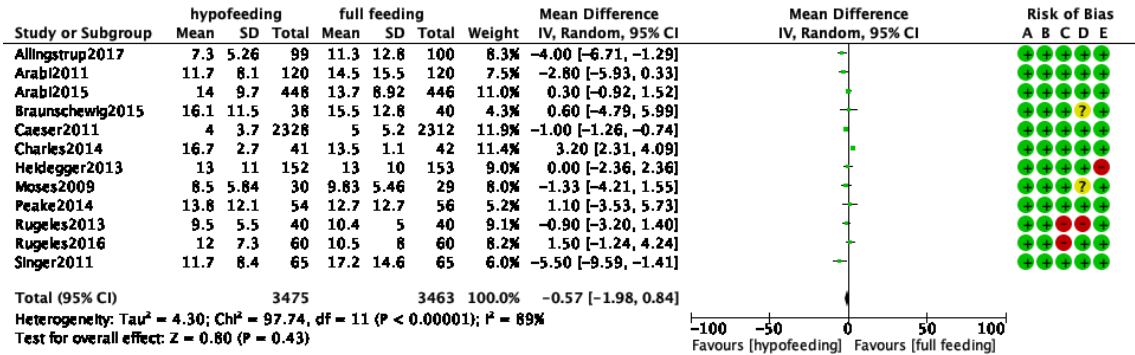


Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias

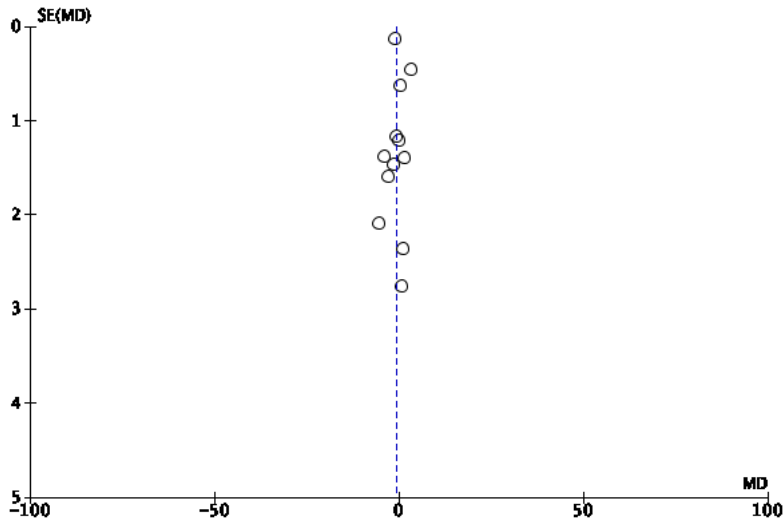


ICU stay



Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias



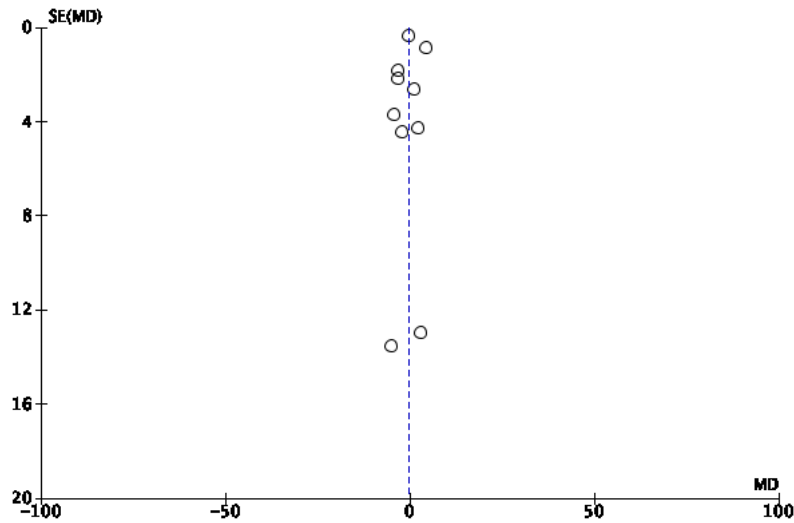
Hospital Stay

Study or Subgroup	hypofeeding			full feeding			Weight	Mean Difference IV, Random, 95% CI	Mean Difference IV, Random, 95% CI	Risk of Bias				
	Mean	SD	Total	Mean	SD	Total				A	B	C	D	E
Allingstrup2017	33.7	29.3	99	31.7	30.8	100	5.8%	2.00 [-6.35, 10.35]		●	●	●	●	●
Arabi2011	70.2	106.9	120	67.2	93.6	120	0.8%	3.00 [-22.42, 28.42]		●	●	●	●	●
Arabi2015	32.3	29	448	35.7	36.4	446	12.7%	-3.40 [-7.72, 0.92]		●	●	●	●	●
Braunschweig2015	22.8	14.3	38	27.2	18.2	40	7.1%	-4.40 [-11.64, 2.84]		●	●	●	●	●
Caesar2011	16.7	13.4	2328	17	12.6	2312	21.9%	-0.30 [-1.05, 0.45]		●	●	●	●	●
Charles2014	35.2	4.9	41	31	2.5	42	20.1%	4.20 [2.52, 5.88]		●	●	●	●	●
Desachy2008	51	75	50	56	59	50	0.8%	-5.00 [-31.45, 21.45]		●	●	●	●	●
Heidegger2013	32	23	152	31	23	153	10.7%	1.00 [-4.16, 6.16]		●	●	●	●	●
Moses2009	11.5	5.84	30	14.8	8.19	29	14.5%	-3.30 [-6.94, 0.34]		●	●	●	●	●
Singer2011	31.8	27.3	65	33.8	22.9	65	5.5%	-2.00 [-10.66, 6.66]		●	●	●	●	●
Total (95% CI)			3371			3357	100.0%	-0.35 [-2.68, 1.99]						

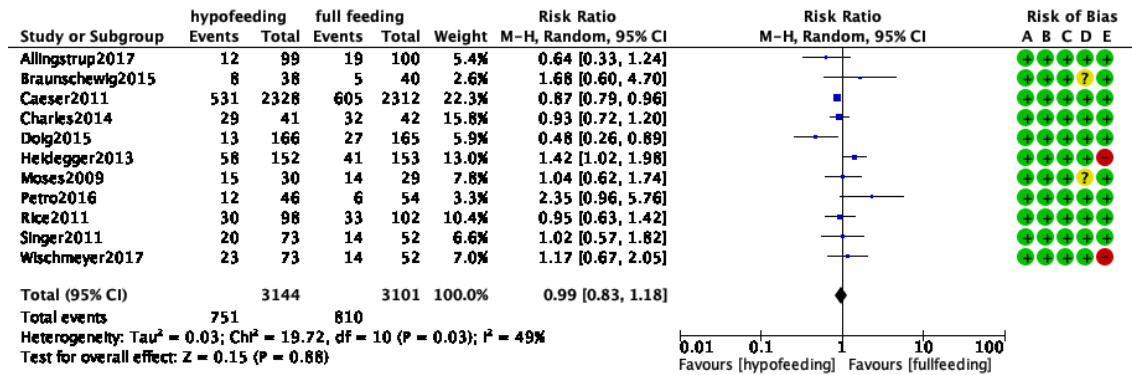
Heterogeneity: $Tau^2 = 6.33$; $Chi^2 = 31.99$, $df = 9$ ($P = 0.0002$); $I^2 = 72\%$
 Test for overall effect: $Z = 0.29$ ($P = 0.77$)

Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias

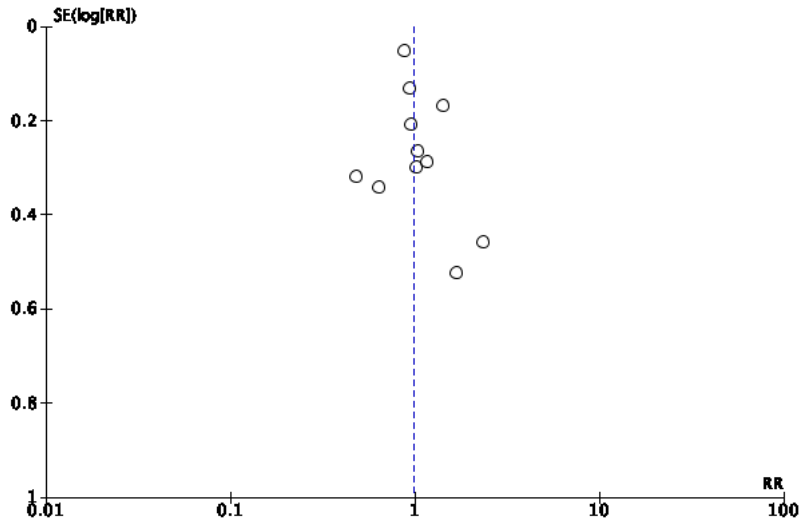


Any Infection

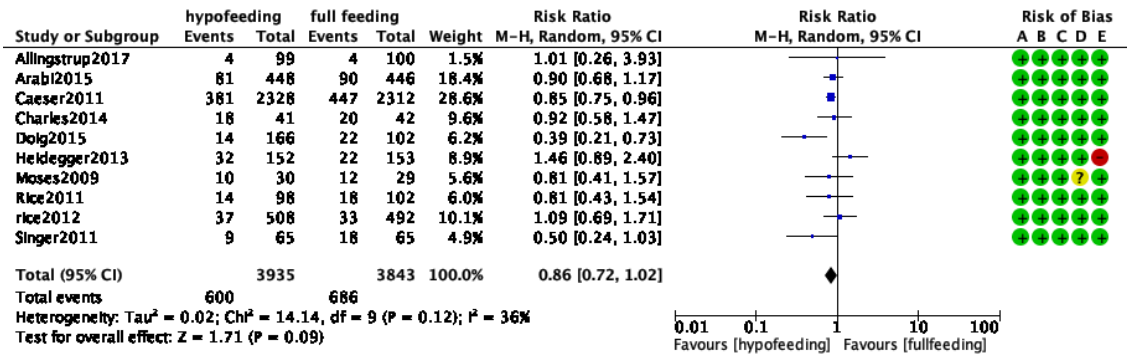


Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias

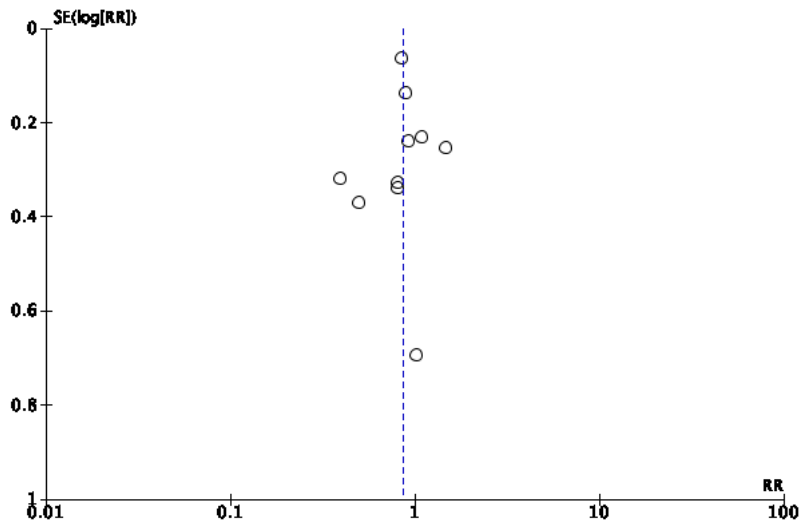


Pneumonia

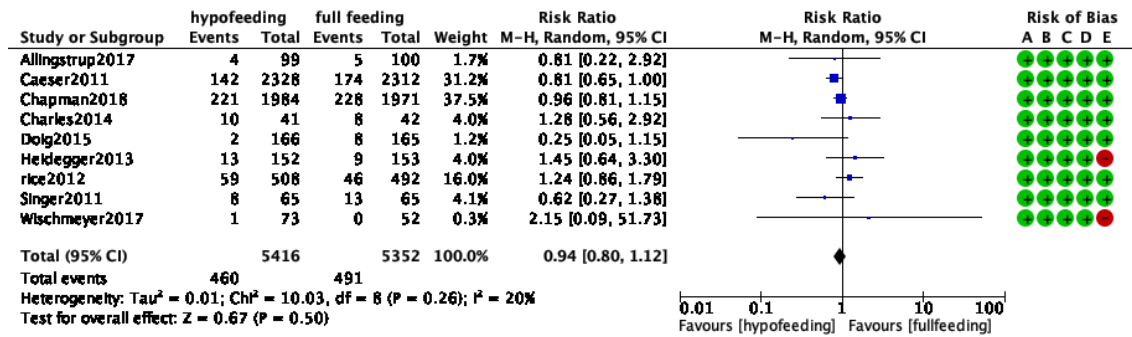


Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias

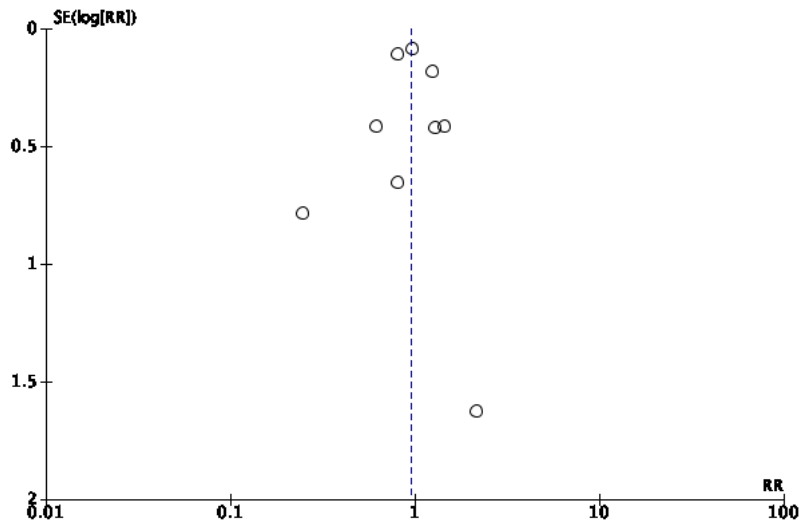


Bacteremia

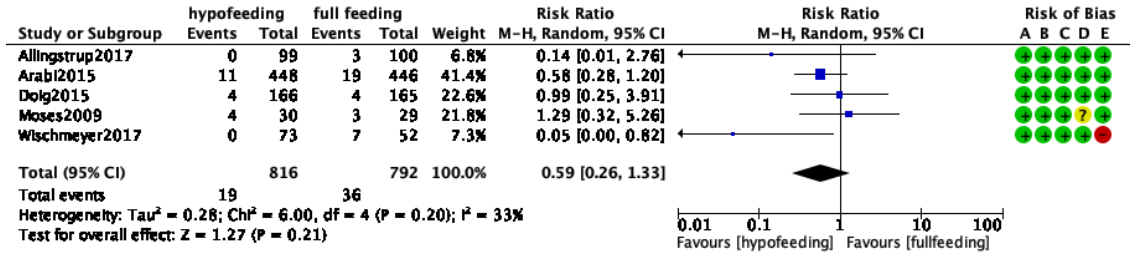


Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias



CRBSI



Risk of bias legend

- (A) Random sequence generation (selection bias)
- (B) Allocation concealment (selection bias)
- (C) Incomplete outcome data (attrition bias)
- (D) Selective reporting (reporting bias)
- (E) Other bias

