## CQ7-1 (GRADE)

- P: Septic shock patients (initial fluid resuscitation and vasopressor did not archive target mean blood pressure)
- I: Use of steroid (hydrocortisone)
  C: Not use of hydrocortisone
- O: Mortality, resolution of shock, serious adverse events, adverse events

			Certainty a	ssessment			Nº of p	oatients	Effect			
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)	Certainty	Importance
Mortality (28	day)											
9	randomised trials	not serious	not serious	very serious	not serious	none	917/3208 (28.6%)	982/3216 (30.5%)	<b>RR 0.93</b> (0.87 to 1.01)	21 fewer per 1,000 (from 40 fewer to 3 more)	⊕⊕⊖⊖ Low	CRITICAL
Mortality (mo	ore than 90 day)											
5	randomised trials	not serious	not serious	serious	not serious	none	1019/2859 (35.6%)	1079/2857 (37.8%)	<b>RR 0.94</b> (0.88 to 1.01)	23 fewer per 1,000 (from 45 fewer to 4 more)	⊕⊕⊕⊖ Moderate	CRITICAL
Resolution o	of shock											
5	randomised trials	not serious	very serious	serious	not serious	none	2323	2338	-	MD 31.53 hour fewer (from 36.6 fewer to 26.46 fewer)	⊕⊖⊖ Very low	CRITICAL
Serious adv	erse events					•	•	•	•	•		
3	randomised trials	not serious	not serious	serious	not serious	none	350/2651 (13.2%)	384/2662 (14.4%)	<b>RR 0.93</b> (0.84 to 1.03)	10 fewer per 1,000 (from 23 fewer to 4 more)	⊕⊕⊕ Moderate	CRITICAL
Infection	•		•				,			*		
7	randomised trials	not serious	not serious	serious	not serious	none	584/2914 (20.0%)	559/2911 (19.2%)	<b>RR 1.04</b> (0.94 to 1.16)	8 more per 1,000 (from 12 fewer to 31 more)	⊕⊕⊕○ Moderate	CRITICAL
Gastrointest	tinal bleeding		•					•				
6	randomised trials	not serious	not serious	serious	not serious	none	80/1079 (7.4%)	73/1082 (6.7%)	RR 1.09 (0.80 to 1.48)	6 more per 1,000 (from 13 fewer to 32 more)	⊕⊕⊕ Moderate	CRITICAL
Hyperglycen	nia									- ·		
4	randomised trials	not serious	not serious	serious	not serious	none	773/2722 (28.4%)	709/2723 (26.0%)	<b>RR 1.10</b> (1.05 to 1.15)	26 more per 1,000 (from 13 more to 39 more)	⊕⊕⊕⊖ Moderate	IMORTANT

		JUDGEMENT										
PROBLEM	No	Probably no	Probably yes	Yes		Varies	Don't know					
DESIRABLE EFFECTS	Trivial	Small	Moderate	Large		Varies	Don't know					
UNDESIRABLE EFFECTS	Large	Moderate	Small	Trivial		Varies	Don't know					
CERTAINTY OF EVIDENCE	Very low	Low	Moderate	High			No included studies					
VALUES	Important uncertainty or variability	Possibly important uncertainty or variability	Probably no important uncertainty or variability	No important uncertainty or variability								
BALANCE OF EFFECTS	Favors the comparison	Probably favors the comparison	Does not favor either the intervention or the comparison	Probably favors the intervention	Favors the intervention	Varies	Don't know					
ACCEPTABILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					
FEASIBILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					

## CQ7-2 (GRADE)

- P: Septic shock patients (initial fluid resuscitation and vasopressor did not archive target mean blood pressure)
- I: Use of hydrocortisone and fludrocortisone
- C: Use of only hydrocortisone or placebo
  O: Mortality, resolution of shock, serious adverse events, adverse events

	Certainty assessment							atients	Effect			
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)	Certainty	Importance
Mortality (28	day)											
2	randomised trials	not serious	not serious	not serious	not serious	none	289/764 (37.8%)	335/776 (43.2%)	<b>RR 0.88</b> (0.78 to 0.99)	<b>52 fewer per</b> <b>1,000</b> (from 4 fewer to 95 fewer)	⊕⊕⊕ High	CRITICAL
Mortality (Lo	ng-term)											
3	randomised trials	not serious	not serious	not serious	not serious	none	478/1009 (47.4%)	548/1040 (52.7%)	<b>RR 0.90</b> (0.83 to 0.98)	53 fewer per 1,000 (from 11 fewer to 90 fewer)	⊕⊕⊕ High	CRITICAL
Resolution o	f shock											
1	randomised trials	not serious	not serious	not serious	serious	none	83/150 (55.3%)	64/149 (43.0%)	RR 1.29 (1.02 to 1.63)	124 more per 1,000 (from 9 more to 271 more)	⊕⊕⊕⊖ Moderate	CRITICAL
Superinfection	on				•							
3	randomised trials	not serious	serious	not serious	serious	none	266/1009 (26.4%)	242/1039 (23.3%)	<b>RR 1.14</b> (0.85 to 1.51)	33 more per 1,000 (from 35 fewer to 119 more)	⊕⊕⊖⊖ <sub>Low</sub>	CRITICAL
Gastrointest	inal bleeding		•		•					'		
2	randomised trials	not serious	not serious	not serious	very serious	none	50/764 (6.5%)	53/775 (6.8%)	<b>RR 0.96</b> (0.66 to 1.39)	3 fewer per 1,000 (from 23 fewer to 27 more)	⊕⊕⊖⊖ Low	CRITICAL
Hyperglycen	nia		•		•	•	•	•	•	•		
3	randomised trials	not serious	not serious	not serious	not serious	none	547/614 (89.1%)	520/626 (83.1%)	RR 1.07 (1.03 to 1.12)	58 more per 1,000 (from 25 more to 100 more)	⊕⊕⊕ <sub>High</sub>	IMORTANT
Mental disord	der		•		•		,		•			
3	randomised trials	not serious	not serious	not serious	very serious	none	0/150 (0%)	1/149 (0.7%)	RR 0.33 (0.01 to 8.06)	4 fewer per 1,000 (from 6 fewer to 47 more)	⊕⊕⊖⊖ <sub>Low</sub>	IMORTANT

		JUDGEMENT										
PROBLEM	No	Probably no	Probably yes	Yes		Varies	Don't know					
DESIRABLE EFFECTS	Trivial	Small	Moderate	Large		Varies	Don't know					
UNDESIRABLE EFFECTS	Large	Moderate	Small	Trivial		Varies	Don't know					
CERTAINTY OF EVIDENCE	Very low	Low	Moderate	High			No included studies					
VALUES	Important uncertainty or variability	Possibly important uncertainty or variability	Probably no important uncertainty or variability	No important uncertainty or variability								
BALANCE OF EFFECTS	Favors the comparison	Probably favors the comparison	Does not favor either the intervention or the comparison	Probably favors the intervention	Favors the intervention	Varies	Don't know					
ACCEPTABILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					
FEASIBILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					

## CQ7-3 (GRADE)

- P: Septic patients without shock
  I: Use of hydrocortisone
  C: Not use of hydrocortisone or use of placebo
  O: Mortality, progress to shock, serious adverse events, adverse events

			Certainty a	ssessment			№ of patients		Effect			
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)	Certainty	Importance
ortality (28	day)											
3	randomised trials	serious	not serious	not serious	very serious	none	25/217 (11.5%)	26/220 (11.8%)	<b>RR 0.98</b> (0.59 to 1.63)	2 fewer per 1,000 (from 48 fewer to 74 more)	⊕⊖⊖ Very low	CRITICAL
ortality (Lo	ng-term)											
2	randomised trials	not serious	not serious	not serious	serious	none	38/191 (19.9%)	33/191 (17.3%)	<b>RR 1.15</b> (0.76 to 1.76)	26 more per 1,000 (from 42 fewer to 131 more)	⊕⊕⊕ Moderate	CRITICAL
Progress to s	shock											
1	randomised trials	not serious	not serious	not serious	very serious	none	36/179 (20.1%)	39/170 (22.9%)	<b>RR 0.88</b> (0.59 to 1.31)	27 fewer <b>per</b> 1,000 (from 94 fewer to 71 more)	$\bigoplus_{Low}^{Low}$	CRITICAL
Infection				•	•					•		
1	randomised trials	not serious	not serious	not serious	serious	none	40/186 (21.5%)	32/189 (16.9%)	<b>RR 1.27</b> (0.84 to 1.93)	46 more per 1,000 (from 27 fewer to 157 more)	⊕⊕⊕⊖ Moderate	CRITICAL
Gastrointest	nal bleeding		•		•			•		•		
1	randomised trials	not serious	not serious	not serious	very serious	none	3/186 (1.6%)	2/189 (1.1%)	<b>RR 1.52</b> (0.26 to 9.02)	6 more per 1,000 (from 8 fewer to 85 more)	⊕⊕⊖⊖ <sub>Low</sub>	CRITICAL
Hypernatrem	ia		•		:		<del>!</del>			:		
1	randomised trials	not serious	not serious	not serious	very serious	none	10/186 (5.4%)	10/189 (5.3%)	<b>RR 1.02</b> (0.43 to 2.38)	1 more per 1,000 (from 30 fewer to 73 more)	⊕⊕⊖⊖ Low	CRITICAL
lyperglycem	ia				•	-	,			•		
1	randomised trials	not serious	not serious	not serious	not serious	none	169/186 (90.9%)	154/189 (81.5%)	RR 1.12 (1.03 to 1.21)	98 more per 1,000 (from 24 fewer to 171 more)	⊕⊕⊕ <sub>High</sub>	IMORTANT

		JUDGEMENT										
PROBLEM	No	Probably no	Probably yes	Yes		Varies	Don't know					
DESIRABLE EFFECTS	Trivial	Small	Moderate	Large		Varies	Don't know					
UNDESIRABLE EFFECTS	Large	Moderate	Small	Trivial		Varies	Don't know					
CERTAINTY OF EVIDENCE	Very low	Low	Moderate	High			No included studies					
VALUES	Important uncertainty or variability	Possibly important uncertainty or variability	Probably no important uncertainty or variability	No important uncertainty or variability								
BALANCE OF EFFECTS	Favors the comparison	Probably favors the comparison	Does not favor either the intervention or the comparison	Probably favors the intervention	Favors the intervention	Varies	Don't know					
ACCEPTABILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					
FEASIBILITY	No	Probably no	Probably yes	Yes		Varies	Don't know					