

CQ20-2 (GRADE)

P: Septic patients/ Patients in intensive care units

I: Use of ICU diaries

C: Not use of ICU diaries

O: PTSD and ASD, Hospital Anxiety and Depression Scale (HADS), adverse events

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)		
PTSD and ASD (Patients)												
3	randomised trials	serious	not serious	not serious	serious	none	60/216 (27.8%)	71/208 (34.1%)	RR 0.85 (0.64 to 1.12)	51 fewer per 1,000 (from 123 fewer to 41 more)	⊕⊕○○ Low	CRITICAL
Anxiety (Patients, HADS score)												
2	randomised trials	serious	not serious	not serious	serious	none	189	184	-	MD 0.82 lower (from 2.45 lower to 0.82 higher)	⊕⊕○○ Low	CRITICAL
Depression (Patients, HADS score)												
2	randomised trials	serious	serious	not serious	serious	none	189	184	-	MD 1.01 lower (from 3.55 lower to 1.53 higher)	⊕○○○ Very low	CRITICAL
PTSD and ASD (Family)												
2	randomised trials	serious	serious	not serious	very serious	none	148/324 (45.7%)	150/328 (45.7%)	RR 0.88 (0.56 to 1.40)	55 fewer per 1,000 (from 201 fewer to 183 more)	⊕○○○ Very low	IMPORTANT
Anxiety (Family, HADS score)												
1	randomised trials	serious	not serious	not serious	serious	none	286	286	-	MD 0 (from 0.73 higher to 0.73 higher)	⊕⊕○○ Low	IMPORTANT
Depression (Family, HADS score)												
1	randomised trials	serious	not serious	not serious	serious	none	286	286	-	MD 0 (from 0.73 lower to 0.73 higher)	⊕⊕○○ Low	IMPORTANT

	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

CQ20-3 (GRADE)

P: Septic patients/ Patients in intensive care units

I: Use of physical restraints during ICU stay

C: Not use of physical restraints during ICU stay

O: Delirium, length of mechanical ventilation, length of ICU stay, unplanned removal, Patients and family/ medical staff feelings about physical restraint, alternative to physical restraint

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)		
Delirium												
10	observational study	very serious	not serious	not serious	not serious	none	256/1351 (18.9%)	538/833 (64.6%)	OR 0.09 (0.04 to 0.19)	505 fewer per 1,000 (from 578 fewer to 389 fewer)	⊕⊕○○ Low	CRITICAL
Length of mechanical ventilation												
2	observational study	very serious	very serious	not serious	serious	none	430	702	-	MD 0.8 day lower (from 6.71 lower to 5.12 higher)	⊕○○○ Very low	IMPORTANT
Length of ICU stay												
4	observational study	very serious	not serious	not serious	not serious	none	341	764	-	MD 3.99 lower (from 7.91 lower to 0.07 lower)	⊕⊕○○ Low	IMPORTANT
Unplanned removal												
5	observational study	very serious	serious	serious	not serious	none	100/2524 (4.0%)	244/2354 (10.4%)	OR 0.36 (0.13 to 0.98)	64 fewer per 1,000 (from 89 fewer to 2 fewer)	⊕○○○ Very low	CRITICAL

	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

CQ20-4-1 (GRADE)

P: Septic patients/ Patients in intensive care units

I: Provide ventilation support

C: No intervention

O: Objective sleep

Certainty assessment							№ of patients		Effect		Certainty	Importance
No of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)		
Objective sleep												
5	randomized trials	serious	not serious	serious	serious	none	79	79	-	MD 12.2 higher (from 4.12 lower to 20.28 higher)	⊕○○○ Very low	CRITICAL

	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

CQ20-4-2 (GRADE)

P: Septic patients/ Patients in intensive care units

I: Use of non-pharmacological sleep management (earplugs, eye-masks, music therapy)

C: Standard care

O: Subjective evaluation, objective sleep

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)		
Subjective evaluation												
3	randomized trials	serious	serious	not serious	serious	none	68	68	-	MD 1.5 higher (from 1.11 higher to 1.9 higher)	⊕○○○ Very low	CRITICAL
Objective sleep												
2	randomized trials	serious	not serious	not serious	serious	none	37	42	-	MD 2.46 lower (from 9.94 lower to 5.01 higher)	⊕⊕○○ Low	CRITICAL

	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

CQ20-5 (GRADE)

P: Septic patients/ Patients in intensive care units/ Family

I: Family visiting restriction

C: No family visiting restriction

O: Delirium, length of ICU stay, depression (patients, family), anxiety (family), satisfaction (family), infection during ICU stay

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment	Placebo	Relative (95% CI)	Absolute (95% CI)		
Infection during ICU stay												
2	randomised trials	serious	not serious	not serious	serious	none	50/951 (5.3%)	54/957 (5.6%)	RR 0.93 (0.64 to 1.35)	4 fewer per 1,000 (from 20 fewer to 20 more)	⊕⊕○○ Low	CRITICAL
Delirium												
2	randomised trials	serious	serious	not serious	very serious	none	161/865 (18.6%)	181/879 (20.6%)	RR 0.67 (0.28 to 1.64)	68 fewer per 1,000 (from 148 fewer to 132 more)	⊕○○○ Very low	CRITICAL
Length of ICU stay												
1	randomised trials	serious	not serious	not serious	not serious	none	837	848	-	MD 0.02 day lower (from 0.15 lower to 0.09 higher)	⊕⊕⊕○ Moderate	CRITICAL
Satisfaction (Family)												
1	randomised trials	serious	not serious	not serious	not serious	none	493	483	-	MD 13.5 higher (from 10.87 higher to 16.13 higher)	⊕⊕⊕○ Moderate	IMPORTANT
Depression (Family)												
1	randomised trials	serious	not serious	not serious	not serious	none	529	525	-	MD 1.2 lower (from 2.3 lower to 4 lower)	⊕⊕⊕○ Moderate	CRITICAL
Anxiety (Family)												
1	randomised trials	serious	not serious	not serious	not serious	none	529	525	-	MD 1.6 lower (from 2.3 lower to 0.9 lower)	⊕⊕⊕○ Moderate	CRITICAL
Depression (Patients)												
1	randomised trials	very serious	not serious	not serious	serious	none	115	111	-	MD 0 (from 0 to 0)	⊕○○○ Very low	CRITICAL

	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