

CQ17-1 (GRADE)

P: Patients in intensive care units

I: Early mobilization

C: Not provide early mobilization

O: Mortality (hospital), length of hospital stay, the Medical Outcomes Study 36-Item Short Form Health Survey Physical Function scale (SF-36 PF) at 6 month, Medical Research Council (MRC) during hospital stay, Hospital Anxiety and Depression scale (HADS) at 6 month, Mini-Mental State Examination (MMSE) at 6 month, adverse event

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)		
<b>Mortality (Hospital)</b>												
7	randomised trials	not serious	not serious	not serious	serious	none	64/466 (13.7%)	56/458 (12.2%)	RR 1.12 (0.80 to 1.58)	15 more per 1,000 (from 24 fewer to 71 more)	⊕⊕○○ Low	CRITICAL
<b>Length of hospital stay</b>												
10	randomised trials	serious	serious	serious	not serious	none	613	611	-	MD 2.86 day lower (from 5.51 lower to 0.21 higher)	⊕○○○ Very low	CRITICAL
<b>SF-36 PF at 6 month</b>												
3	randomised trials	serious	serious	not serious	serious	none	119	122	-	MD 4.65 higher (from 16.13 lower to 25.43 higher)	⊕○○○ Very low	CRITICAL
<b>MRC during hospital stay</b>												
3	randomised trials	serious	not serious	not serious	serious	none	97	99	-	MD 4.84 higher (from 0.36 higher to 9.31 higher)	⊕○○○ Very low	CRITICAL
<b>HADS at 6 month</b>												
1	randomised trials	serious	not serious	not serious	serious	none	21	16	-	MD 0.3 higher (from 4.92 lower to 5.52 higher)	⊕○○○ Very low	CRITICAL
<b>MMSE at 6 month</b>												
1	randomised trials	serious	not serious	not serious	serious	none	84	81	-	MD 0.6 higher (from 0.25 lower to 1.45 higher)	⊕○○○ Very low	CRITICAL
<b>Adverse events</b>												
5	randomised trials	serious	serious	not serious	serious	none	13/358 (3.6%)	17/348 (4.9%)	RR 0.71 (0.23 to 2.13)	14 fewer per 1,000 (from 38 fewer to 55 more)	⊕○○○ Very low	CRITICAL

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

CQ17-2 (GRADE)

P: Patients in intensive care units

I: Passive joint exercise therapy

C: Not provide passive joint exercise therapy

O: Grip strength/ medical research council (MRC), 6 min walk test (6 MWD), functional independence measure (FIM), length of ICU/ hospital stay, length of mechanical ventilation, 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)		
<b>MRC score</b>												
3	randomised trials	serious	not serious	serious	serious	none	182	184	-	MD 0.96 lower (from 4.13 lower to 2.21 higher)	⊕○○○ Very low	CRITICAL
<b>6 MWD</b>												
2	randomised trials	not serious	serious	serious	serious	none	84	89	-	MD 10.5 m higher (from 63.45 lower to 84.46 higher)	⊕○○○ Very low	CRITICAL
<b>FIM</b>												
1	randomised trials	not serious	not serious	serious	serious	none	58	57	-	MD 3 higher (from 5.42 lower to 11.42 higher)	⊕⊕○○ Low	CRITICAL
<b>Length of ICU stay</b>												
4	randomised trials	serious	not serious	serious	serious	none	142	135	-	MD 0.36 day higher (from 1.79 lower to 2.51 higher)	⊕○○○ Very low	CRITICAL
<b>Length of hospital stay</b>												
4	randomised trials	not serious	not serious	serious	serious	none	142	135	-	MD 0.74 day higher (from 3.68 lower to 5.15 higher)	⊕⊕○○ Low	CRITICAL
<b>Length of mechanical ventilation</b>												
4	randomised trials	serious	not serious	serious	serious	none	274	257	-	MD 0.14 day higher (from 1.03 lower to 1.31 higher)	⊕○○○ Very low	CRITICAL
<b>Adverse events</b>												
3	randomised trials	serious	not serious	serious	very serious	none	9/216 (4.2%)	12/200 (6.0%)	RR 0.70 (0.30 to 1.63)	18 fewer per 1,000 (from 42 fewer to 38 more)	⊕○○○ Very low	CRITICAL

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

**CQ17-3 (GRADE)**

**P: Patients in intensive care units**

**I: Neuromuscular electrical stimulation**

**C: Not provide neuromuscular electrical stimulation**

**O: ICU-AW at ICU discharge, MRC score at ICU discharge, length of mechanical ventilation, mortality (hospital), length of 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)		
<b>ICU-AW at ICU discharge</b>												
1	randomised trials	serious	not serious	not serious	very serious	none	3/12 (25.0%)	4/16 (25.0%)	<b>RR 1.00</b> (0.27 to 3.66)	<b>0 fewer per 1,000</b> (from 183 fewer to 665 more)	⊕○○○ Very low	CRITICAL
<b>MRC score at ICU discharge</b>												
1	randomised trials	serious	not serious	not serious	very serious	none	12	16	-	<b>MD 1.00 higher</b> (from 4.19 lower to 6.19 higher)	⊕○○○ Very low	CRITICAL
<b>Length of mechanical ventilation</b>												
7	randomised trials	serious	not serious	not serious	very serious	none	132	130	-	<b>MD 1.56 day lower</b> (from 3.12 lower to 0.01 higher)	⊕○○○ Very low	CRITICAL
<b>Mortality (Hospital)</b>												
5	randomised trials	serious	not serious	not serious	very serious	none	39/127 (30.7%)	40/124 (32.3%)	<b>RR 0.88</b> (0.46 to 1.68)	<b>39 fewer per 1,000</b> (from 174 fewer to 219 more)	⊕○○○ Very low	CRITICAL
<b>Length of ICU stay</b>												
5	randomised trials	serious	serious	not serious	very serious	none	99	113	-	<b>MD 3.23 day higher</b> (from 3.35 lower to 9.81 higher)	⊕○○○ Very low	CRITICAL

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