

Author(s):

Date:

Question: Guidance performance feedback devices compared to No device in BLS and ALS training

Setting:

Bibliography:

Quality assessment							N <sub>o</sub> of patients		Effect		Quality	Importance
N <sub>o</sub> of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	guidance performance feedback devices	No device	Relative (95% CI)	Absolute (95% CI)		
Adequate Chest Compression Rate (assessed with: Number of participants able to perform chest compression to recommended rate)												
6	randomised trials	serious 12	not serious	not serious	not serious		378/645 (58.6%)	139/423 (32.9%)	<b>OR 4.88</b> (3.56 to 6.64)	376 more per 1000 (from 307 more to 436 more)	12	IMPORTANT
Adequate chest compression rate- no of compressions - not reported												
-	-	-	-	-	-	-	-	see comment	not estimable	see comment	-	IMPORTANT
Adequate chest compression rate - measured rate (assessed with: Mean compression rate)												
4	randomised trials	serious 12	not serious	not serious	not serious				-	mean <b>7.39 fewer</b> (10.27 fewer to 4.52 fewer)	12	IMPORTANT
Chest Compression Depth (assessed with: Number of participants able to perform chest compression to recommended depth)												
4	randomised trials	serious 12	not serious	not serious	not serious		260/408 (63.7%)	164/312 (52.6%)	<b>OR 1.99</b> (1.44 to 2.74)	162 more per 1000 (from 89 more to 227 more)	12	IMPORTANT
Chest Compression depth (CC) (assessed with: Number of compressions with adequate depth)												
1	randomised trials						14086/20025 (70.3%)	9616/21190 (45.4%)	<b>OR 2.85</b> (2.74 to 2.97)	249 more per 1000 (from 241 more to 258 more)		IMPORTANT
Chest Compression depth (mean) (assessed with: Measured chest compression mean)												
5	randomised trials	serious 12		not serious	not serious				-	mean <b>4.16 more</b> (2.94 more to 5.39 more)	12	IMPORTANT
Overall Compression Correct - not reported												
-	-	-	-	-	-	-	-	see comment	not estimable	see comment	-	IMPORTANT
Hand Placement (assessed with: Number of participants with correct hand placement)												
2	randomised trials	serious 12	serious 3	not serious	not serious	all plausible residual confounding would suggest spurious effect, while no effect was observed	52/152 (34.2%)	83/151 (55.0%)	<b>OR 0.43</b> (0.27 to 0.69)	205 fewer per 1000 (from 92 fewer to 302 fewer)	123	IMPORTANT
Chest Recoil - not measured												
-	-	-	-	-	-	-	-	see comment	not estimable	see comment	-	IMPORTANT
Hands off Time - not measured												

-	-	-	-	-	-	-	-	see comment	not estimable	see comment	-	IMPORTANT
Ventilation Volume - not measured												
-	-	-	-	-	-	-	-	see comment	not estimable	see comment	-	IMPORTANT

MD - mean difference, RR - relative risk

1. Studies did not describe adequate method of concealment of group allocation of participants.
2. Studies did not describe method of randomisation
3. One large study with 223 participants and one small study of 40 participants