



Author(s):

Date:

Question: 1 min chest compression loop compared to 2 min chest compression loop for adults in cardiac arrest in any setting

Settings:

Bibliography (systematic reviews):

| Quality assessment             |                   |                    |               |                   |             |                      | No of patients               |                              | Effect                           |   | Quality   | Importance |
|--------------------------------|-------------------|--------------------|---------------|-------------------|-------------|----------------------|------------------------------|------------------------------|----------------------------------|---|---|------------|
| No of studies                  | Study design      | Risk of bias       | Inconsistency | Indirectness      | Imprecision | Other considerations | 1 min chest compression loop | 2 min chest compression loop | Relative (95% CI)                | Absolute (95% CI)                                 |   |            |
| Survival to hospital discharge |                   |                    |               |                   |             |                      |                              |                              |                                  |   |   |            |
| 1                              | randomised trials | very serious<br>12 | not serious   | very serious<br>2 | not serious | none                 | 10/97<br>(10.3%)             | 18/105<br>(17.1%)            | <b>OR 0.56</b><br>(0.25 to 1.25) | 68 fewer per 1000<br>(from 34 more to 122 fewer)  | <br>VERY LOW | CRITICAL   |
| ROSC                           |                   |                    |               |                   |             |                      |                              |                              |                                  |   |   |            |
| 1                              | randomised trials | very serious<br>12 | not serious   | very serious<br>2 | not serious | none                 | 49/97<br>(50.5%)             | 56/105<br>(53.3%)            | <b>OR 0.95</b><br>(0.59 to 1.52) | 13 fewer per 1000<br>(from 101 more to 131 fewer) | <br>VERY LOW | IMPORTANT  |

MD – mean difference, RR – relative risk

1. Unblinded
2. Guideline change partway through trial of different question that resulted in difference in loop duration