

**Author(s):** KN Dainty, T Pellis and S Lin

**Date:**

**Question:** Lidocaine compared to no lidocaine for adults who are in cardiac arrest in any setting

**Settings:** OHCA with VF refractory to 3 shocks

**Bibliography (systematic reviews):** Herlitz 1997, Harrison 1981.

| 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 | Lidocaine                  | no lidocaine      | Relative (95% CI) | Absolute (95% CI) |                  |            |
| Restoration of spontaneous circulation |                       |                   |               |              |             |                      |                            |                   |                   |                   |                  |            |
| 2                                      | observational studies | very serious<br>⊥ | serious 2     | not serious  | not serious | none                 | 117/247<br>(47.4%)         | 54/159<br>(34.0%) | not estimable     | not estimable     | ⊕○○○<br>VERY LOW | IMPORTANT  |
| Survival to hospital discharge         |                       |                   |               |              |             |                      |                            |                   |                   |                   |                  |            |
| 2                                      | observational studies | very serious<br>⊥ | not serious   | not serious  | not serious | none                 | 21/247<br>(8.5%)           | 9/159<br>(5.7%)   | not estimable     | not estimable     | ⊕○○○<br>VERY LOW | CRITICAL   |

MD - mean difference, RR - relative risk

1. No explanation was provided
2. the 2 studies show conflicting results