Selected Bibliography

LUCAS® Chest Compression System

March 2018

Randomized controlled clinical trials

**LINC trial suite**


**PARAMEDIC trial suite**


**Other**


Pre-hospital studies with comparison groups


Maule Y. The aid of mechanical CPR; better compressions, but more importantly – more compressions… (translated from French language; Assistance Cardiaque Externe; Masser mieux, mais surtout masser plus…). Urgence Pratique. 2011;106:47-48.


Pre-hospital patient series


In-hospital studies with comparison groups


In-hospital patient series


PCI/ECMO studies with comparison groups


PCI/ECMO patient series


**Case reports**


Rudolph S, Barnung S. Case Report: Survival after drowning with cardiac arrest and mild hypothermia. ISRN Cardiology. 2011; ID 895625.


Safety studies with comparison group


Safety patient series


Organ donation studies


**Experimental studies**


**Manikin studies**


**Reviews and miscellaneous articles**


Dissertations


There are different generations (i.e. versions) of the LUCAS Chest Compression System. The first generation was driven by compressed air, whereas the later generations are driven by battery. Although all LUCAS versions are similar in most respects and deliver chest compressions according to the AHA and ERC guidelines, they differ somewhat in mechanical design and usability. The differences need to be considered when extrapolating clinical and animal data from the different versions.

The LUCAS 3 device is for use as an adjunct to manual CPR when effective manual CPR is not possible (e.g., transport, extended CPR, fatigue, insufficient personnel).

Physio-Control is now part of Stryker.

For further information, please contact Physio-Control at 800.442.1142 (U.S.), 800.895.5896 (Canada) or visit our website at www.physio-control.com