



Family Information Sheet

What is Cardiac Arrest?

Cardiac arrest is a serious medical condition. During cardiac arrest the heart stops beating effectively and is unable to pump oxygenated blood to the brain and the rest of the organs of the body. It usually occurs suddenly and unexpectedly. Death occurs within minutes.

What causes Cardiac Arrest?

The most common underlying reason for patients to die suddenly from cardiac arrest is coronary heart disease. Cardiac arrest can also occur with infection, hemorrhage, or without any identifiable cause.

What is the LUCAS Device?

The LUCAS Device is a chest compression system that delivers safe and effective chest compressions to the individual who has suffered cardiac arrest.

Why LUCAS and not manual CPR?

Studies show LUCAS compressions are able to achieve and sustain a higher blood flow to the brain, the heart, and other vital organs compared to manual compressions. LUCAS facilitates consistent blood flow from the moment it is turned on, helping to improve a patient's chance for a successful outcome. The LUCAS uses standardized chest compressions in accordance with the latest scientific guidelines.

Is it safe for the patient?

Although the mechanical nature of the LUCAS may appear disturbing, studies have shown that LUCAS compressions are safe for the patient, with the same type of side-effects as for manual CPR.



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