

CLEARFIELD EMS PLACES INTO SERVICE THE LUCSA AUTOMATIC CPR COMPRESSION DEVICES

These devices will allow us to provide more hemodynamic effect to the patient than manual compressions. Human studies have shown that automatic compression devices circulated nearly 25% more blood through the heart and maintained coronary perfusion pressures of 33% higher than trained paramedics achieved by manual compressions. In one human long-term survival study conducted in Richmond, Va., they compared survival rates in 783 patients. 400 patients were treated with manual CPR, 284 patients were treated with an external compression device. There was a 235% improvement in survival to discharge, 88% improvement in survival to hospital admission and 71% improvement in field ROSC.

The automatic compression devices will free up paramedics and allot them to provide ALS care and perform continuous CPR without interruptions and delay to the pulse less patients, thus being compliant with the American Heart Association (AHA) Guidelines, which emphasize the importance of effective, uninterrupted chest compressions during resuscitation. With the help of Clearfield Bank & Trust, Clearfield EMS was able to purchase three devices. Clearfield Bank & Trust understood the importance of this life saving device for our area and the community that both Clearfield Bank & Trust and Clearfield EMS serve.

The benefits to the communities we serve and the neighbors around us will be greatly served with a chest compression device. Equipping our units would enable us to provide the same quality care when we respond on mutual aid. The surrounding communities would also benefit.

This equipment will also add to the safety and efficiency of our crews, allowing them to be strapped in during transport, focusing on patient airway control and drug therapy, less stressed and at minimal risk of injury from performing CPR in a moving ambulance.