

Peoria Heights Fire Department to adopt groundbreaking ResQCPR System to improve survival from Sudden Cardiac Arrest

Peoria Heights, Illinois—Every day, sudden cardiac arrest (SCA), the leading cause of death in the United States, takes the lives of over 1,000 men and women.¹ Nationally, survival rates are dismal, with fewer than 10% of patients surviving out-of-hospital cardiac arrest in most communities.¹ In the Peoria area, Advanced Medical Transport has raised the odds for survival much (almost double the national average) higher, through its revolutionary and award-winning “Race to the Top” program.

Through a grant from AMT, **Peoria Heights Fire Department** will adopt a new medical device combination, the [ResQCPR™ System](#) from ZOLL® Medical Corporation, which was shown in a study to improve survival to one year from out-of-hospital, non-traumatic cardiac arrest by 49% when compared to treatment with conventional cardiopulmonary resuscitation (CPR).² In 2018 trials in the City of Peoria, the system exceeded expectations in saving local lives from SCA.

AMT, the village’s nationally accredited ambulance provider, purchased and donated the equipment for the fire department which will be maintained and replaced, as needed by AMT, at no cost to taxpayers or the department. In recent weeks, teams from the fire department and AMT have been training together on the use of this device. In 2018, AMT managed out-of-hospital cardiac arrests in the Peoria area.

The ResQCPR System provides intrathoracic pressure regulation (IPR) therapy, which non-invasively improves circulation to vital organs without the use of pharmaceutical or other agents during CPR by enhancing the negative pressure or vacuum in the victim’s chest.

The ResQCPR System is a combination of two medical devices that are used together during CPR:

- the ResQPUMP® ACD-CPR Device and the ResQPOD® ITD.
- The ResQPUMP is a hand-held pumping device with a suction cup that is placed on the chest during CPR to perform active compression-decompression CPR (ACD-CPR).
- It is the only CPR device that allows the rescuer to deliver up to 10 kg of lifting force.
- The ResQPOD ITD 16 is an impedance threshold device (ITD) that prevents the influx of unnecessary air through the open airway during CPR.
- When used together, these devices create an enhanced vacuum in the chest that improves blood flow to vital organs during states of low blood flow, such as cardiac arrest.

Advanced Medical Transport (AMT) is the premier provider of emergency and scheduled ambulance services in Central and Western Illinois. AMT is a private, not-for-profit organization governed by a community-based board of directors. Our comprehensive team of healthcare professionals combine outstanding healthcare transportation with pre-hospital medical care that answers 60,000 calls each year in communities we serve.

About ZOLL Medical Corporation

ZOLL Medical Corporation, an Asahi Kasei Group Company, develops and markets medical devices and software solutions that help advance emergency care and save lives, while increasing clinical and operational efficiencies. With products for defibrillation and monitoring, circulation and CPR feedback, data management, therapeutic temperature management, and ventilation, ZOLL provides a comprehensive set of technologies that help clinicians, EMS and fire professionals, and lay rescuers treat victims needing resuscitation and acute critical care. For more information, visit www.zoll.com.

American Heart Association

²ResQCPR System Summary of Safety and Effectiveness Data approved by Food & Drug Administration 2015

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