

**Kenosha County  
Administrative Proposal Form**

**1. Proposal Overview**

Division: Administration Department: Sheriff

Proposal Summary (attach explanation and required documents):

The Firehouse Subs Public Safety Foundation has awarded Kenosha County Sheriff's Department Ten (10) ResQPump ACD-CPR Devices and required accessories valued at up to \$15,130. The equipment will be purchased by the Foundation on the department's behalf and delivered at no cost. The ResQCPRTM System is a CPR adjunct consisting of two synergistic devices—the ResQPOD® ITD 16 and the ResQPUMP® ACD-CPR Device. Used together, these devices improve blood flow to the brain and vital organs, and have been shown to increase the likelihood of survival.

Dept./Division Head Signature: \_\_\_\_\_

Date: 4/15/2024

Print Name: CAPTAIN TONY GONZALEZ

**2. Department Head Review**

Comments:

Recommendation: Approval ☒ Non-Approval ☐

Department Head Signature: \_\_\_\_\_

Date: 04-15-24

Print Name: David W. Zoerner

**3. Finance Division Review**

Comments:

Recommendation: Approval ☒ Non-Approval ☐

Finance Signature: \_\_\_\_\_

Date: 4/17/24

Print Name: \_\_\_\_\_

**4. County Executive Review**

Comments:

Action: Approval ☒ Non-Approval ☐

Executive Signature: \_\_\_\_\_

Date: 4/17/2024

Print Name: \_\_\_\_\_



## BOARD OF SUPERVISORS

RESOLUTION NO. \_\_\_\_\_

**Subject: Firehouse Subs Public Safety Foundation Equipment Grant for the Purchase of Ten ResQPump ACD-CPR Devices & Accessories**

Original <input checked="" type="checkbox"/>	Corrected <input type="checkbox"/>	2 <sup>nd</sup> Correction <input type="checkbox"/>	Resubmitted <input type="checkbox"/>
Date Submitted:		Date Resubmitted	
Submitted By: <b>Judiciary &amp; Law Enf. Committee &amp; Finance/ Admin Committee</b>			
Fiscal Note Attached: X		Legal Note Attached <input type="checkbox"/>	
Prepared By: <i>Tony Gonzalez</i>		Signature: <i>[Signature]</i>	

WHEREAS, Kenosha County has been awarded an equipment grant through the Firehouse Subs Foundation for the purchase of ten ResQPump ACD-CPR Devices and necessary accessories with an overall value of \$15,130, and

WHEREAS, the foundation will arrange for the procurement and delivery of the devices, having no financial impact to the Kenosha County Sheriff Budget, and

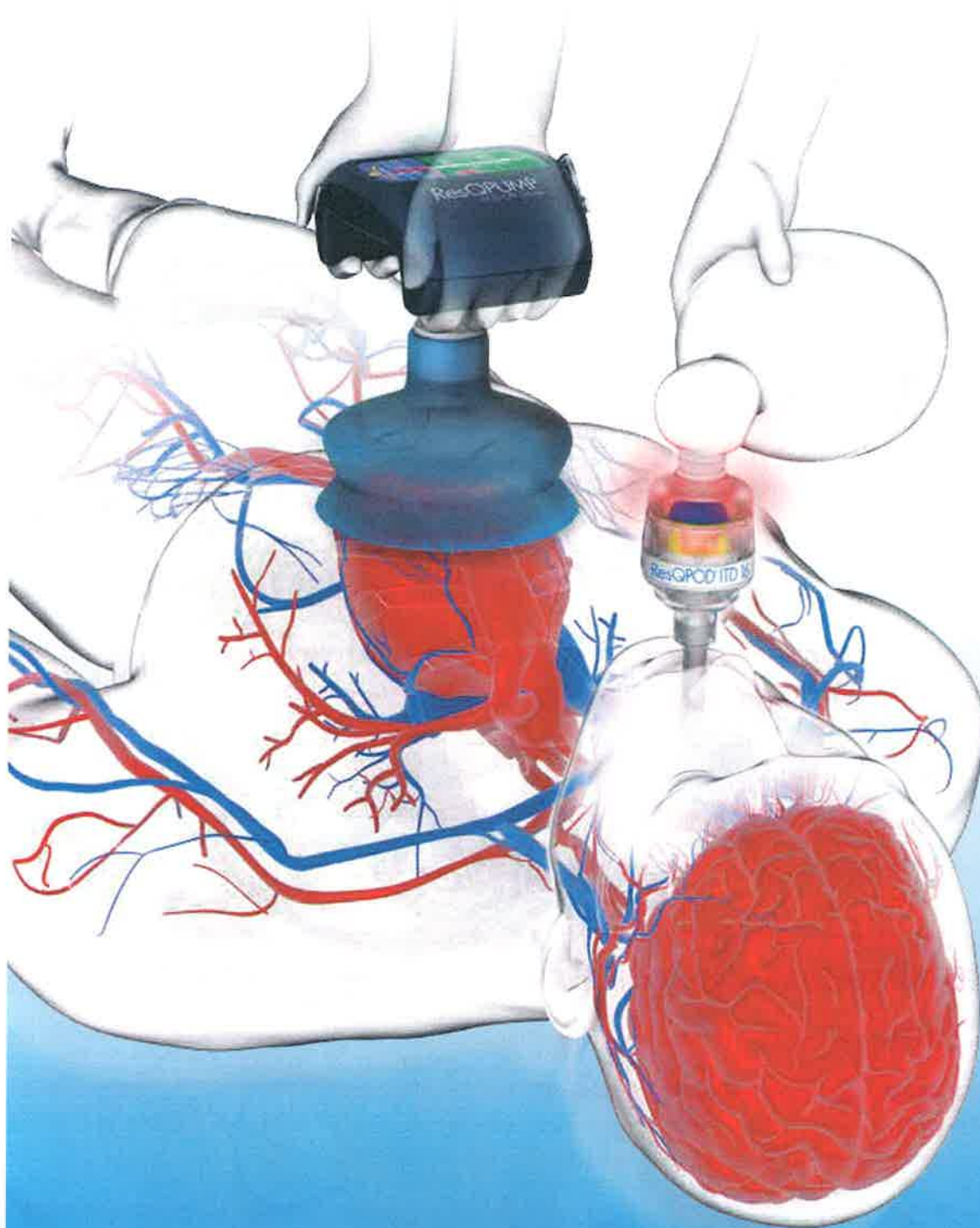
WHEREAS, The ResQCPRTM System is a CPR adjunct consisting of two synergistic devices—the ResQPOD ITD 16 and the ResQPUMP ACD-CPR Device. Used together, these devices improve blood flow to the brain and vital organs, and have been show to increase the likelihood of survival. This equipment will be divided among all divisions of the Sheriff Department to be deployed in an effort to increase the likelihood of saving lives when administering CPR.

NOW, THEREFORE BE IT RESOLVED, that the Kenosha County Board of Supervisors accept the donation of ten ResQPump ACD-CPR Devices and necessary accessories as awarded by the Firehouse Sub Foundation.

Note: This resolution requires NO additional funds from the general fund and will have no increase or decrease to revenues or expenditures.

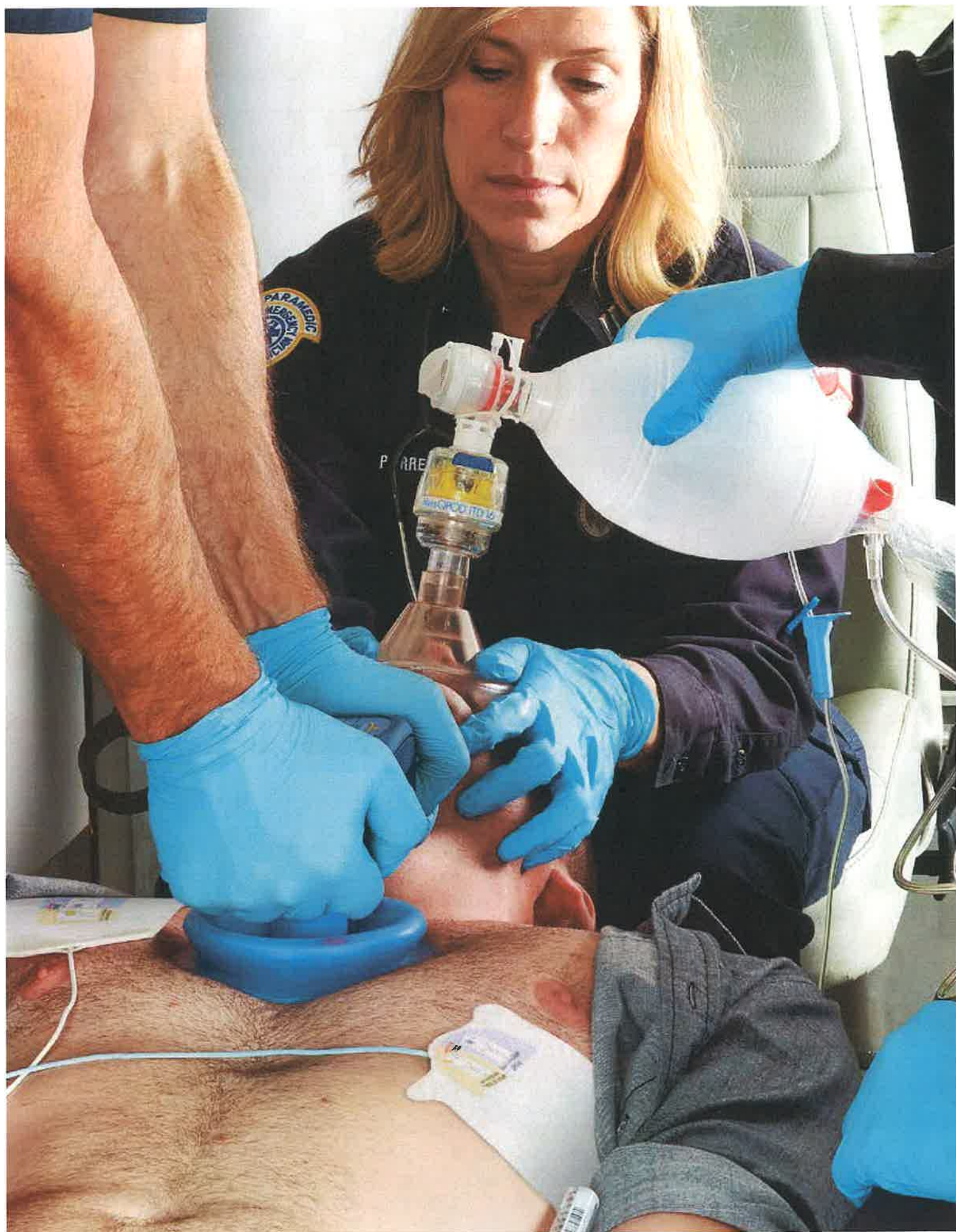
ResQCPR™ System

**ZOLL**®



Better Blood Flow. Improved Survival.









# ResQCPR System

A major clinical study showed a

**49%** increase

in one-year survival from cardiac arrest.<sup>1</sup>

The ResQCPR™ System is a CPR adjunct consisting of two synergistic devices—the ResQPOD® ITD 16 and the ResQPUMP® ACD-CPR Device. Used together, these devices improve blood flow to the brain and vital organs, and have been shown to increase the likelihood of survival.<sup>1,2</sup>

## Better Blood Flow

The ResQCPR System has been shown in a pre-clinical study to provide near-normal blood flow to the brain during cardiac arrest.<sup>3</sup> And, the device combination has been shown in a clinical study to provide near-normal systolic and diastolic blood pressures during cardiac arrest.<sup>4</sup>

## Improved Survival

The ResQCPR System is the **only CPR device with an FDA-approved indication to improve the likelihood of survival.** A multi-center trial that randomized over 1600 patients showed a **49% increase in survival to one year** in adult cardiac arrest patients who received the ResQCPR System.<sup>1</sup>



## "I Woke Up During CPR!"

When Professor Steve Dunn experienced his cardiac arrest in 2008, EMS personnel used the ResQCPR System as part of their resuscitation protocol. Although he did not have a perfusing pulse, Steve woke up repeatedly while ResQCPR was being performed on him. Today, he is a happy and healthy cardiac arrest survivor thanks, in part, to the ResQCPR System.



## Unique Device Synergy— Improved Likelihood of Survival

The ResQCPR System consists of two synergistic devices – the ResQPOD impedance threshold device (ITD) 16 and the ResQPUMP Active Compression-Decompression CPR (ACD-CPR) Device. The ResQPOD regulates airflow during the chest wall recoil phase of CPR to enhance the vacuum in the patient's chest. This results in more blood being returned to the heart (preload) and a lowering of intracranial pressure (ICP).<sup>2</sup> The ResQPUMP further increases blood return by actively re-expanding the chest to further enhance negative pressure. It is the only device FDA-approved for delivering ACD-CPR with a lifting force of up to 10 kg.



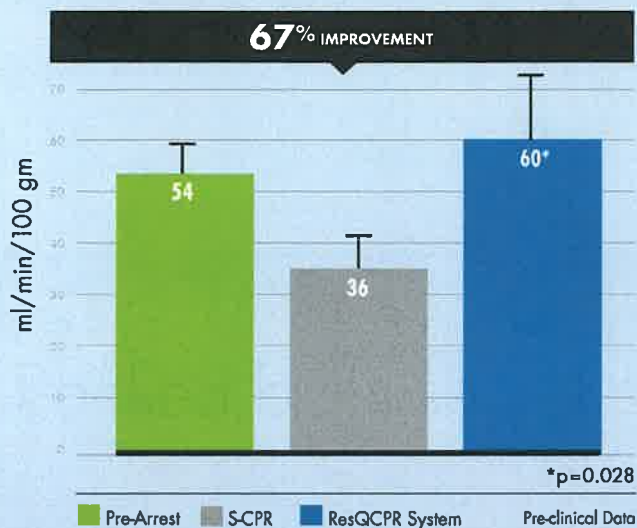
*The synergistic combination of ACD-CPR with an ITD enhances the vacuum in the chest, resulting in increased preload and cardiac output, as well as lowered intracranial pressure. The net result is better hemodynamics and vital organ blood flow than either device provides individually.*



# Backed by Research

The combination of ACD-CPR with an ITD (ResQCPR) has been studied in 5 clinical trials and more than 35 pre-clinical studies. A summary of data from three of these studies is provided below.

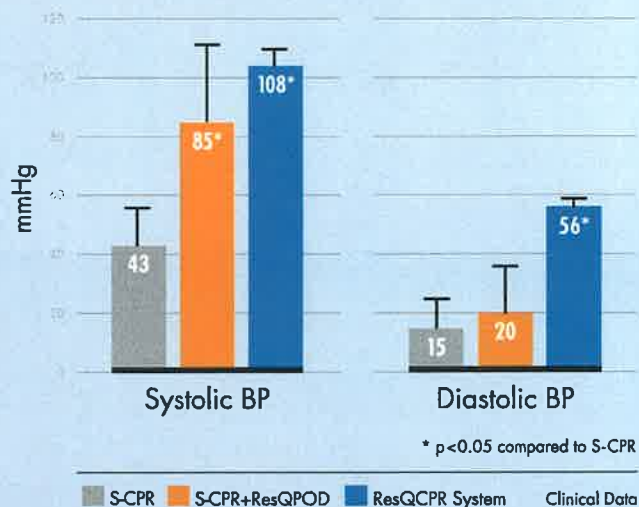
## Near-Normal Blood Flow to the Brain with ResQCPR



S-CPR: standard CPR

<sup>3</sup>Voelckel, et al. *Pediatr Res.* 2002;51:523-527.

## Near-Normal Blood Pressure with ResQCPR

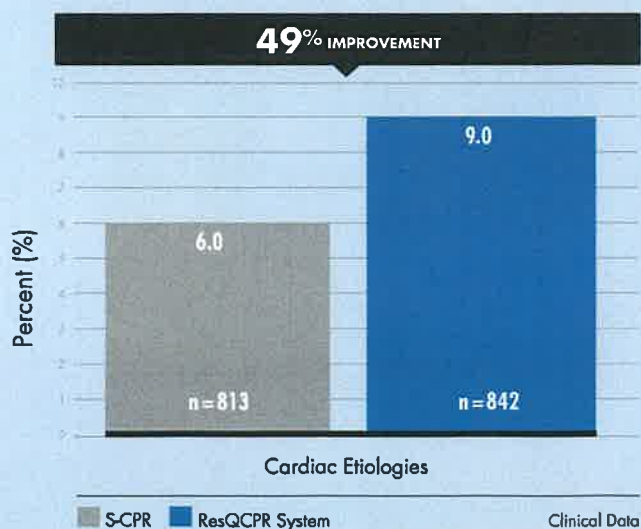


S-CPR: standard CPR

<sup>4</sup>Plaisance, et al. *Circulation.* 2000;101:989-994.

<sup>5</sup>Pirrallo, et al. *Resuscitation.* 2005;66:13-20.

## Increased Survival at One Year with ResQCPR



S-CPR: standard CPR

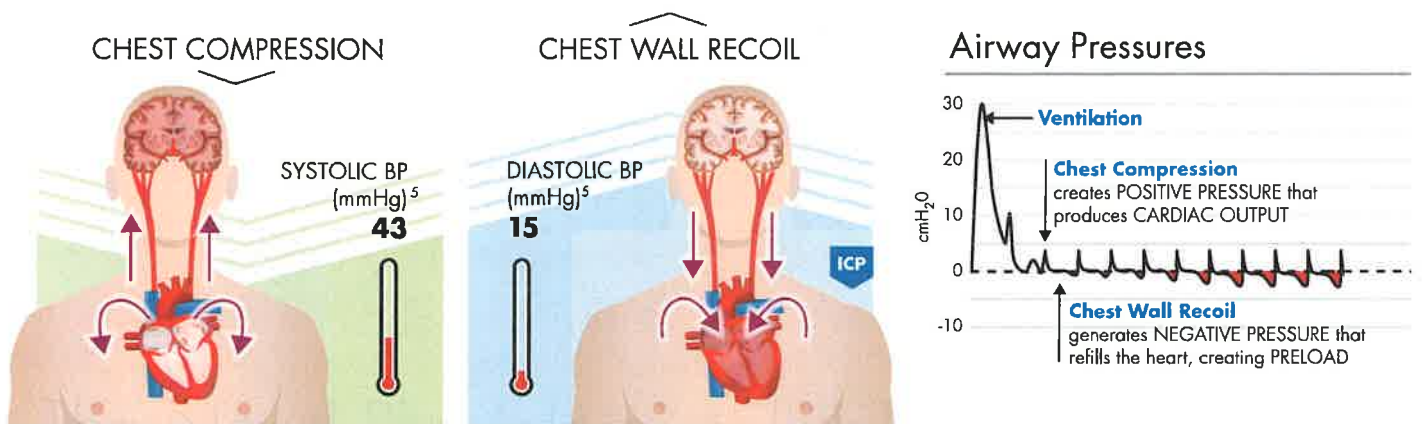
<sup>1</sup>ResQCPR System Summary of Safety and Effectiveness Data submitted to FDA.

Based upon study results, the ResQCPR System could save thousands of lives each year in the US if widely implemented.<sup>6</sup>

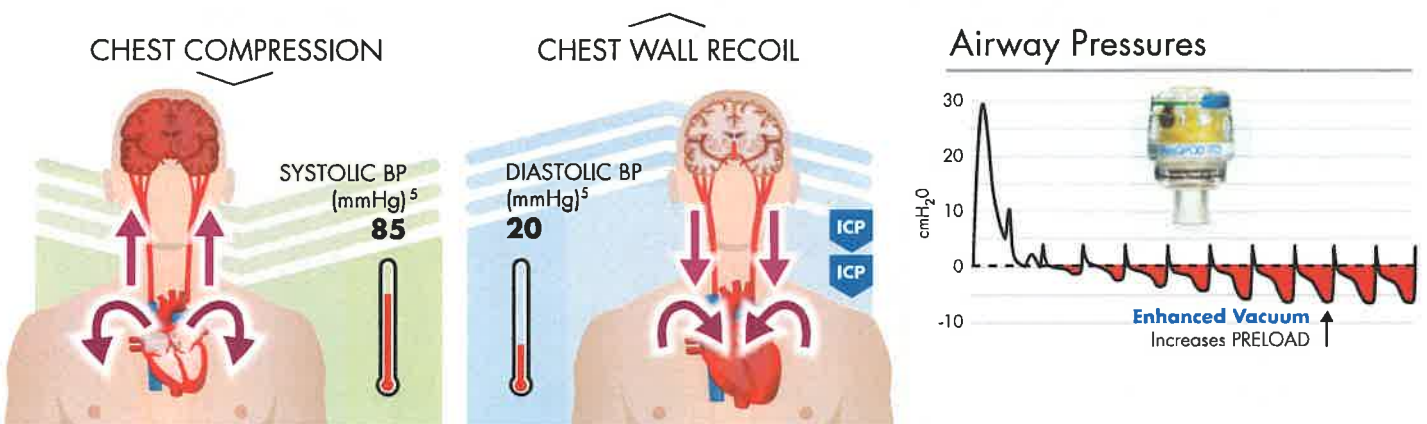
# The Novel Physiology of IPR Therapy

The ResQCPR System is a CPR adjunct of two devices – the ResQPOD ITD 16 and the ResQPUMP ACD-CPR Device. Used together, these devices increase blood flow to the brain and vital organs, and have been shown to increase one-year survival by 49%.<sup>1,2</sup>

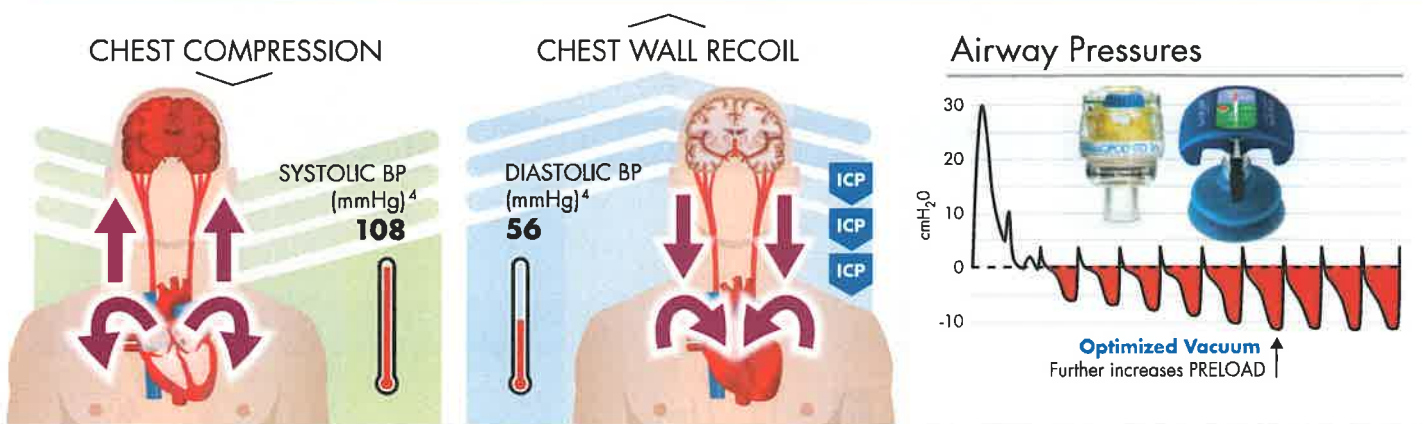
## Conventional CPR – Limited Blood Flow



## CPR with ResQPOD® ITD – More Blood Circulated



## ResQCPR™ System – High Perfusion and Near-Normal Circulation





**Intrathoracic pressure regulation (IPR) therapy** involves enhancing the negative pressure in the chest to optimize blood flow to vital organs when perfusion is compromised. During cardiac arrest, IPR therapy is provided by the ResQPOD ITD and the ResQPUMP ACD-CPR Device. These devices are uniquely designed to leverage the body's own physiology to provide Perfusion on Demand.

FIGURE 1

## Conventional CPR – Limited Blood Flow

Even though high-quality CPR has been shown to increase survival, it only provides 25-40% of normal blood flow to the heart and brain.<sup>2</sup> Limited blood flow is due in part to the open airway. During chest wall recoil, air is drawn in and eliminates the vacuum (negative pressure) that is needed to fill the heart. This limits cardiac output and blood circulated with compressions.



FIGURE 2

## CPR with the ResQPOD ITD – More Blood Circulated

Attached to a facemask or other airway adjunct, the ResQPOD is an impedance threshold device (ITD) that selectively prevents air from entering the lungs during the chest wall recoil phase (except when intended during ventilations). This enhances the vacuum, which pulls more blood back into the heart and lowers intracranial pressure (ICP).<sup>2</sup>



FIGURE 3

## ResQCPR System – High Perfusion and Near-Normal Circulation

The ResQPUMP allows the rescuer to perform active compression-decompression CPR (ACD-CPR), which promotes complete and active chest recoil. It is the only CPR device approved to provide ACD-CPR with 10 kg of lifting force. When the ResQPOD ITD is combined with ACD-CPR, the result is a synergy that provides an even greater vacuum in the chest, lowering ICP and improving preload and cardiac output even further.<sup>2</sup> A multi-center trial that randomized over 1600 patients showed a **49% increase in one-year survival** in patients who received ResQCPR.<sup>1</sup>





## ResQCPR™ System

# Key Features and Benefits

- Only CPR device with an FDA-approved indication for improved likelihood of survival
- Only CPR device FDA-approved to provide ACD-CPR with 10 kg of re-expansion force
- Promotes High Quality CPR by providing guidance on critical ResQCPR quality parameters (e.g. compression and lifting forces, compression and ventilation rates)
- Easy to learn, and simple to use
- Compact, lightweight, and easy to store
- Can be used by both basic and advanced life support personnel
- Ideal first line therapy option that complements automated CPR
- Comprehensive training resources available

1. Adults in cardiac arrest from cardiac etiology. Summary of Safety and Effectiveness Data submitted to FDA, [http://www.accessdata.fda.gov/cdrh\\_docs/pdf11/p110024b.pdf](http://www.accessdata.fda.gov/cdrh_docs/pdf11/p110024b.pdf).
2. Melzger, et al. *Crit Care Med*. 2012;40(6):1851-1856.
3. Voelckel et al. *Pediatr Res*. 2002;51:523-527.
4. Plaisance et al. *Circulation*. 2000;101:989-994.
5. Pirralo, et al. *Resuscitation*. 2005;66:13-20.
6. Calculated based upon survival benefit applied to existing national survival outcomes in Cardiac Arrest Registry to Enhance Survival (CARES); [www.myCARES.net](http://www.myCARES.net).
7. Andreka et al. *Curr Opin Crit Care*. 2006;12:198-203.

## Products and Accessories

PRODUCT	ORDER #
 <p>ResQCPR System includes: ResQPUMP ACD-CPR Device (1 ea) ResQPOD ITD 16 (2 ea)</p>	12-0825-000
 <p>ResQPOD ITD 16 Replacement Component</p>	12-0822-000
 <p>ResQPUMP ACD-CPR Device Replacement Component</p>	12-0823-000
 <p>Replacement Suction Cup</p>	12-0586-000
 <p>ResQCPR Carrying Case</p>	12-0935-000

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800-804-4356  
[www.zoll.com](http://www.zoll.com)

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# ZOLL®



**From:** [Nicholas Brooks](#)  
**Sent:** Wednesday, April 10, 2024 1:11 PM  
**To:** [Angela Khabbaz](#)  
**Subject:** Fw: APPROVED: Q2 2024 Firehouse Subs Public Safety Foundation Grant  
**Attachments:** Donated by-logo for grants (1).jpg; Foundation Logo jpg-RGB (1).jpg; Foundation Logo-VectorCMYK (1).ai; Foundation Logo-VectorCMYK (1).eps; Q2 2024 PSF Press Release Template FINAL.docx; Q2 2024 PSF Social Template FINAL.docx

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-Brooks #350

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**From:** Firehouse Subs Public Safety Foundation <foundation@firehousesubs.com>  
**Sent:** Tuesday, April 2, 2024 9:25 AM  
**To:** Nicholas Brooks <Nicholas.Brooks@kenoshacounty.org>; Tony Gonzalez <Tony.Gonzalez@kenoshacounty.org>  
**Cc:** Andy Miller <andy.miller@firehousesubs.com>; Patel, Nick <nick.patel@firehousesubs.com>; Firehouse Subs Public Safety Foundation <foundation@firehousesubs.com>  
**Subject:** APPROVED: Q2 2024 Firehouse Subs Public Safety Foundation Grant

**Caution:** This email originated from outside the organization. Do not click links or open attachments unless you recognize and trust the sender.

Dear Nick & Tony,

We are pleased to announce that the Firehouse Subs Public Safety Foundation Board of Directors has awarded the **Kenosha County, on behalf of Kenosha County Sheriff's Department in Kenosha, WI** the requested **Ten ResQPump ACD-CPR Devices & Accessories (Including Freight up to \$90)** valued at up to **\$15,130.00**. If your grant award must be approved by your city council, please add this item to the agenda immediately, and contact us with the meeting date.

**PROCUREMENT:**

We will contact you no later than Friday, May 10, 2024 to initiate the procurement process. There are two possible methods for procurement, to be determined by our Foundation:

- Direct Purchase made by the Foundation  
OR
- Memo of Understanding. NOTE: Our Foundation provides funding via ACH transfer only. We are unable to fund a grant award by paper check.

**Do not make advanced purchases, as failure to adhere to our chosen method will jeopardize your grant award.** If you have any fulfillment questions, please email [Procurementfoundation@firehousesubs.com](mailto:Procurementfoundation@firehousesubs.com).

**PUBLIC RELATIONS (PR) NOTES**

- PR announcements from your organization regarding the grant award are optional. If you choose to share the good news, please use the attached press release template and/or social media post template and send it

back to [Foundation@firehousesubs.com](mailto:Foundation@firehousesubs.com) for review and approval (allowing for 72 hours turnaround time). *Please do not pitch or post before receiving approval from the Foundation team.*

Use of the Firehouse Subs Public Safety Foundation logo:

- We ask that your organization acknowledges the grant by displaying our Foundation logo on granted items/equipment whenever possible. Our Foundation logo is attached for your convenience. Please note that the final artwork will need to be approved by our Foundation via [Foundation@firehousesubs.com](mailto:Foundation@firehousesubs.com) before being displayed.

Did you know?

More than 70% of the funds raised for the Firehouse Subs Public Safety Foundation come from the generosity of Firehouse Subs guests and the restaurant brand? Please consider supporting a Firehouse Subs restaurant near you.

We are very excited to assist your organization and ultimately improve the lifesaving capabilities of your community.

**Firehouse Subs Public Safety Foundation**

12735 Gran Bay Parkway, Suite 150, Jacksonville, FL 32258

[foundation@firehousesubs.com](mailto:Foundation@firehousesubs.com)

[FirehouseSubsFoundation.org](http://FirehouseSubsFoundation.org)

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*Kenosha*



*County*

## **MEMORANDUM**

Communication to Kenosha County Board of Supervisors  
(For Informational Purposes Only)

***COMMUNICATION TO APPEAR ON COUNTY BOARD MEETING AGENDA: 04/16/2024***

***SUBJECT: Firehouse Subs Public Safety Foundation Equipment Grant for the purchase of Ten (10) ResQPump ACD-CPR Devices & Accessories***

***SUBMITTED BY: Captain of Administration Tony Gonzalez***

***TO BE REFERRED TO A COMMITTEE BY CHAIRMAN***

***ADDITIONAL INFORMATION (optional):***