"The ResQPOD® is the only impedance threshold device on the market."

ResQPOD®

Perfusion on Demand

New and Revolutionary Aid to CPR

ResQPOD® Impedance Threshold Device

The ResQPOD is an impedance threshold device (ITD) that provides Perfusion on Demand (POD) by regulating pressures in the thorax during states of hypotension.

Animal and clinical studies* have shown that during CPR, the ResQPOD:

- Doubles blood flow to the heart
- Increases blood flow to the brain by 50%
- Doubles systolic blood pressure
- Increases survival rates
- Increases the likelihood of successful defibrillation
- Provides benefit in all arrest rhythms
- Circulates drugs more effectively

The American Heart Association (AHA), in their 2005 guidelines, designated the impedance threshold device (e.g., ResQPOD) a Class IIa recommendation for increasing blood flow and immediate survival rates in patients in cardiac arrest. It is the most highly recommended CPR adjunct in the new guidelines and carries a higher recommendation than any medication used to increase circulation in adults in cardiac arrest. The ResQPOD is the only impedance threshold device on the market.

The ResQPOD is easy to use. It provides a unique way to increase circulation during CPR by refilling the heart after each chest compression. In addition, timing assist lights on the ResQPOD provide guidance on the proper compression and ventilation rates.

How It Works

The ResQPOD prevents unnecessary air from entering the chest during CPR. As the chest wall recoils, the vacuum (negative pressure) in the thorax is greater. This enhanced vacuum pulls more blood back to the heart, doubling blood flow during CPR. Studies have shown that this mechanism increases cardiac output, blood pressure and survival rates. Patient ventilation and exhalation are not restricted in any way.

Perfusion on Demand

INCREASED BLOOD FLOW TO THE HEART AND BRAIN

ADVANCED CIRCULATORY SYSTEMS, INC. ResQPOD®

"in partnership saving lives"

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