

# Impedance Threshold Device (ResQPod)

## Procedure

Douglas County KS EMS System

March 2022

**Approved Provider:** EMR, EMT, AEMT, Paramedic

**Reference Protocols:** [CAPE](#)

### **Indications**

- Cardiac arrest patients that are above 13 years old and weigh at least 100 LBS

### **Contraindications**

- Pulsatile patient
- Known CHF or Aortic stenosis
- Any pediatric patient under 13 years old

### **Technique**

- Apply the ResQPod ITD to the BVM, endotracheal or ETCA tube at the earliest possible opportunity in adult cardiac arrest following initial tube confirmation procedures.
- Use a bag-valve (BV) ventilator to provide ventilation.
- Place ETCO<sub>2</sub>, colorimetric or capnography detector, between ResQPod and bag-valve (BV) ventilation source.
- Use one handed squeeze for one second (until chest rises) to ventilate.
- Use ventilation timing lights when ventilating with ET/Combitube asynchronous with compressions.
- Avoid unnecessary delays or interruptions in CPR unless absolutely necessary.
- Clear fluids or secretions from the ResQPOD by shaking it or blowing it out using the ventilation source.
- Immediately remove the ResQPod ITD if any Return Of Spontaneous Circulation (ROSC)

### **Complications**

- None in the adult patient suffering from presumed nontraumatic cardiac arrest.

### **Documentation**

- Accurately document application of ResQPod ITD on EPCR flowchart.