



Madison County EMS

New 5-15-09



ResQPOD Guideline

The ResQPOD® is an impedance threshold device that prevents unnecessary air from entering the chest during the decompression phase of CPR. When air is prevented from rushing into the lungs as the chest wall recoils, the vacuum (negative pressure) in the thorax profoundly increases preload. Combined with efficient CPR allowing good chest recoil, the ResQPOD doubles the amount of blood flow to the heart and brain.

Indications

1. Cardiopulmonary arrest in patients 12 years or older

Contraindications

1. Traumatic Cardiopulmonary arrest
2. Patients under 12 years of age

Procedure

1. Confirm absence of pulse and begin CPR immediately. Assure that chest wall recoils completely after each compression.
2. Using the ResQPOD on a facemask:
 1. Connect ResQPOD to the facemask.
 2. Connect ventilation source (BVM) to top of ResQPOD.
 3. **Establish and maintain a tight face seal with mask throughout chest compressions. Use a two-handed technique or head strap.**
 4. Do not use the ResQPOD's timing lights during CPR utilizing a facemask for ventilation.
 5. Follow the appropriate ACLS algorithm.
 6. Prepare for endotracheal intubation when clinically feasible and appropriate.
3. Using the ResQPOD on an endotracheal tube, Combitube, King Airway, or LMA:
 1. Endotracheal intubation is the preferred method of managing the airway when using the ResQPOD.
 2. Place advanced airway, confirm placement, and secure the tube.
 3. Move the ResQPOD from the facemask to the advanced airway and turn on timing assist lights (remove clear tab).
 4. Continue CPR with minimal interruptions:
 - a. Provide continuous (no pauses) chest compressions (approximately 10 per light flash) and ventilate asynchronously over 1 second when light flashes (10/min).
 5. Perform ACLS interventions as appropriate.
 6. If perfusion is restored, remove the ResQPOD and assist ventilations as needed.



Special Considerations

1. Do not delay chest compressions if the ResQPOD is not readily available.
2. If a pulse returns, continue CPR for an additional two minutes. Reassess the patient and discontinue use of the ResQPOD. If the patient re-arrests, resume CPR with the ResQPOD.
3. Always place ETCO₂ detector between the ResQPOD and the ventilation source.