

# Prehospital Algorithm for Refractory VF/VT

Persistent VF/VT after three (3) Shocks



ECLS Eligible?

- Witnessed arrest
- Age 18 - 75 years
- Mechanical CPR can occur during transport
- Transport to SMH/RGH < 20 minutes



YES to ALL



NO to ANY of the above



- Perform vector change (A/P placement) prior to mechanical compression device
- Apply mechanical compression device prior to transport if not already placed
- Initiate transport to SMH or RGH ED
- Defibrillate every 2-3 minutes
- IV/IO access to upper extremities, no IV/IO access to legs
- Epi 1 mg every five minutes for three doses then stop
- Amiodarone 300 mg once, then stop
- No Calcium or Sodium Bicarbonate unless suspected hyperkalemia



Usual cardiac arrest care +

- Perform vector change (A/P placement)
- Limit Epi to 3 doses



When enroute, notify SMH/RGH Medical Control of "ECLS Alert" and provide MIST report



If ROSC, treat per protocol, notify Medical Control and continue transport

# ECLS Pre-Arrival Notification

## Call to SMH or RGH Medical Control

\_\_\_\_\_ Calling for an **ECLS Alert**  
EMS Agency

ETA \_\_\_\_\_  
minutes

\_\_\_\_\_ year old \_\_\_\_\_ patient in refractory Vfib arrest  
Age Gender

Treatments include: \_\_\_\_\_ shocks, \_\_\_\_\_ medication  
Number Name

Patient Name & DOB (if available): \_\_\_\_\_