

Mechanical Compression Device (MCD)

(For Adults Only)

P1	Airway	E1	Compressions (round 1)	E2	Metronome, Defibrillator set-up
	<ol style="list-style-type: none"> 1. Defibrillate immediately if VT/VF 2. Set up BVM & connect to Oxygen/ETCO2 3. Provide cadence and count for EMT 4. Provide high quality 1-person BVM breaths every 10 compressions 5. Charge defibrillator at 16th breath 		Chest Compressions		<ol style="list-style-type: none"> 1. Activate metronome at 110bpm 2. Cut shirt 3. Attach defibrillator pads 4. Can start set up of MCD if compressions aren't compromised.

P1	Rhythm Check, Defibrillation	E1	Rhythm Check (round 1) <10 secs	E2	Pulse Check
	<ol style="list-style-type: none"> 1. ETCO2 and Rhythm Check 2. If indicated (VT/VF), clear and defibrillate patient. If not indicated, dump charge 		Pulse Check		<ol style="list-style-type: none"> 1. Pulse Check 2. Prepare to start high quality compressions

P1	Airway	E1	Compressions (round 2)	E2	Chest Compressions
	<ol style="list-style-type: none"> 1. Provide high quality 1-person BVM breaths every 10 compressions 2. Provide cadence and count for compressor 3. Charge defibrillator at 16th breath 		Set up and Lay Out MCD within 2 minutes		<ol style="list-style-type: none"> 1. Continuous chest compressions 2. Push hard (> 2 inches) and fast (110/min) 3. Continue using metronome to ensure proper rate 4. Change compressor every 2 minutes (Limit changes/pulse checks to < 5 seconds)

P1	Rhythm Check, Defibrillation	E1	Rhythm Check (round 2) <10 secs	E2	Pulse Check, MCD application
	<ol style="list-style-type: none"> 1. ETCO2 and Rhythm Check 2. If indicated (VT/VF), clear and defibrillate patient. If not indicated, dump charge 3. Slide Back Plate underneath patient 		Pulse Check, MCD application		<ol style="list-style-type: none"> 1. Pulse Check 2. After shock applied (or decision not to shock), grasp patient's shoulder and support head with E2 to lift the upper torso for paramedic to slide Back Plate underneath patient

P1	Airway	E1	Compressions (round 3)	E2	Continue to set up MCD within 2 minutes
	<ol style="list-style-type: none"> 1. Provide high quality 1-person BVM breaths every 10 compressions 2. Provide cadence and count for compressor 3. Charge defibrillator at 16th breath 		Chest Compressions		<ol style="list-style-type: none"> 1. If not completed, finish setting up and laying out MCD 2. Attach the first claw of the Mechanical Device to the Back Plate

P1	Rhythm Check, Defibrillation	E1	Rhythm Check (round 3) <10 secs	E2	Pulse Check, MCD application
	<ol style="list-style-type: none"> 1. ETCO2 and Rhythm Check 2. If indicated (VT/VF), clear and defibrillate patient. If not indicated, dump charge 		Finish Applying and Turn On MCD Device		<ol style="list-style-type: none"> 1. Pulse Check 2. After shock applied (or decision not to shock), assist E1 in applying and turning on MCD device 3. Mark plunger location with permanent marker