

# Mechanical Compression Device (MCD)

(Adults Only)

**Applies to:**

E

EMT

P

Paramedic

**Clinical Indications:**

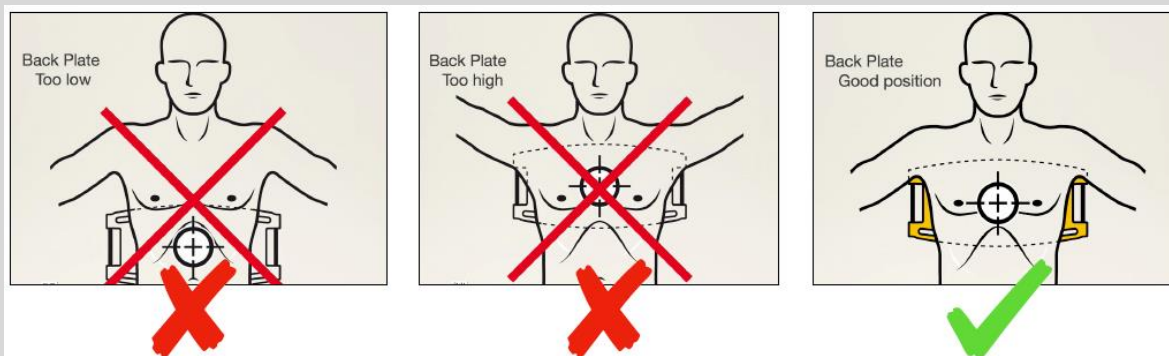
Adult patients in cardiac arrest

**Contraindications:**

1. If it is not possible to position MCD safely or correctly on the patient's chest.
2. Patient is too small: If MCD alerts with three (3) fast signals when lowering the suction cup and you cannot enter the PAUSE mode or ACTIVE mode.
3. Patient too large: If you cannot lock the upper part of MCD to the back plate without compressing the patient's chest.

**Procedure:**

1. Continue CPR while setting up device.
2. Push ON/OFF to start self-test and power up the LUCAS device. The device will be ready and in the ADJUST mode.
3. Pause manual CPR briefly and place BACK PLATE under the patient, immediately below the armpits. Resume CPR.
4. Pull the RELEASE RINGS once to open CLAW LOCKS; let go of rings. Stop manual CPR briefly while attaching the UPPER PART to the BACK PLATE. Listen for "click" sound. Pull up once to assure attachment.
5. Push down the SUCTION CUP. The lower edge of the SUCTION CUP should be immediately above the end of the sternum. Adjust if necessary while in ADJUST mode.



6. Push PAUSE to lock START POSITION. Push ACTIVE (continuous) to start compressions.
7. Attach stabilization strap and follow CPR protocol.

