



**INDICATIONS:**

- Treatment option for patients with severe signs/symptoms of poor perfusion or cardiac ischemia and
  - Supraventricular tachycardia.
  - Ventricular tachycardia.

**PROCEDURE:**

- Explain the procedure if the patient is conscious.
- Ventilate the patient if ventilation assistance is necessary.
- Apply pads to chest or in anterior-posterior position.
  - Pediatric patients (Base Hospital Contact and Order Required): Modern biphasic wave generating defibrillators will sense when infant or child size pads are attached and adjust cardioversion and defibrillation energy accordingly. Follow pad manufacturer's directions for age and weight restrictions. If none listed:
    - Use infant-sized pads for patients younger than 1 year or less than 10 Kg
    - Use child-sized pads for children (1-14 years-old) or over an estimated weight of 10 Kg.
      - The anterior-posterior placement should be used if the child's chest is too small to safely accommodate pads.
- Activate defibrillator and place in SYNCHRONIZED or CARDIOVERSION mode.
- Adjust monitor gain to provide maximal tracing on screen, adjusting gain or leads to ensure synchronization on the QRS complex. Verify synchronization on monitor R wave prior to proceeding.
- Set defibrillator energy level to manufacturer's recommended cardioversion energy.
- Clear all personnel from patient contact. Call out, "All Clear" and assure that there is no patient contact.
- Activate the CHARGE button.
- Depress the SHOCK button to deliver synchronized shock.
- Reassess vital signs, rhythm and signs/symptoms of cardiac ischemia or poor perfusion.
- If no conversion and continued unstable tachycardia; using above procedure, repeat one cardioversion shock using manufacturer's recommended cardioversion energy.
- Document number of cardioversion and/or defibrillation attempts made.
- If no conversion or as needed, contact Base Hospital for further medical direction.

**NOTE:**

- If the "synch mode" does not function, disengage the "sync" mode and defibrillate at manufacturer's recommended defibrillation energy.