

POLICY: 555.15
TITLE: Tachycardia with Pulses - Pediatric

EFFECTIVE: 02/13/2019
REVIEW: 02/2024
SUPERCEDES:

APPROVAL SIGNATURES ON FILE IN EMS OFFICE

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TACHYCARDIA WITH PULSES - PEDIATRIC

- I. AUTHORITY: Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9
- II. PURPOSE: To serve as the treatment standard for EMRs, EMTs, AEMTs and Paramedics within their scope of practice.
- III. PROTOCOL:

NOTE: Use standard size 3.5-cm pediatric paddles for cardioversion for children less than 10 kg. These should be placed on the anterior chest in a sternal-apical location. If pediatric paddles are not available use adult paddles placed anterior-posterior on the chest wall.

If the defibrillator does not dial down to the indicated energy level use the lowest setting available.

| STANDING ORDERS | | |
|---|---|--|
| ABC | | |
| OXYGEN | | |
| MONITOR | | |
| IV/IO ACCESS | TKO with microdrip tubing and volume control chamber | |
| Sinus Tachycardia QRS less than 0.08 second Heart Rate less than 220 BPM for ages 2 and under Heart Rate less than 180 BPM for ages 2 and older | Supraventricular Tachycardia (SVT) QRS less than 0.08 second Heart Rate greater than 220 BPM for ages 2 and under Heart Rate greater than 180 BPM for ages 2 and older | Ventricular Tachycardia with Pulses QRS greater than 0.08 second Heart Rate greater than 150 beats per minute |
| CONSIDER | If perfusion is diminished or patient is poorly responsive: Fluid bolus 20 mg/kg IV. SYNCHRONIZED Cardioversion 1 J/kg: if no response, repeat at 2 J/kg. if no response, repeat at 4 J/kg. | |
| BASE PHYSICIAN ORDERS | | |
| SVT | | |
| VAGAL MANEUVER | Consider if child has normal perfusion. (Vagal maneuver in infants and children under 6 years old is ice water to face. In children over 6 years use Valsalva.) | |
| ADENOSINE | 0.1 mg/kg rapid IV/IO. (Maximum dose 6 mg.) If no change, repeat 0.2 mg/kg IV/IO. (Maximum dose 12 mg.) | |
| V-TACH | | |
| LIDOCAINE | 1 mg/kg IV/IO. Repeat every 5 minutes to a total of 3 mg/kg. | |