



North Carolina College of Emergency Physician's
Standards Procedure (Skill)



Venous Access-Intraosseous-Pediatric

Clinical Indications:



- Life threatening illness or injury in a child ≤ 6 years of age (72 months) after effective ventilation is established.

Procedure:

1. Expose the lower leg.
2. Identify the tibial tubercle (bony prominence below the knee cap) on the proximal tibia. The insertion location will be 1-2 cm (2 finger widths) below this and medially.
3. Prep the site as per peripheral IV site.
4. Holding the intraosseous needle perpendicular to the skin, twist the needle handle with a rotating grinding motion applying controlled downward force until a "pop" or "give" is felt indicating loss of resistance. Do not advance the needle any further.
5. Remove the trocar and attach the IV.
6. Stabilize and secure the needle with a hemostat, 4x4 pads and tape.
7. Document the procedure, time, and result (success) on/with the patient care report (PCR).

Certification Requirements:

- Maintain knowledge of the indications, contraindications, technique, and possible complications of the procedure. Assessment of this knowledge may be accomplished via quality assurance mechanisms, classroom demonstrations, skills stations, or other mechanisms as deemed appropriate by the local EMS System. Assessment should include direct observation at least once per certification cycle.