

**1**

Find & Mark penetration site.

**Primary Site for Intraosseous Injection Proximal Tibia.**

**Infants 0-6 years old:** 1cm medially and 1cm distally to the tibial tuberosity.

**Pediatrics 6-12 years old:** 1-2cm medially and 1-2cm distally to the tibial tuberosity.

**2**

Choose the desired depth of penetration.

**3**

Position the BIG with one hand to the site and pull out the Safety Latch with the other hand.

**4**

Trigger the BIG at 90° to the surface.

**5**

Remove the BIG.

**6**

Pull out the stylet trocar.

**7**

Fix the cannula with the Safety Latch.

**8**

Connect Infusion Set with a Stopcock to standard IV set.

If there is a need, 2 - 5 cc of bone marrow can be aspirated into a heparin-coated syringe for laboratory sampling.

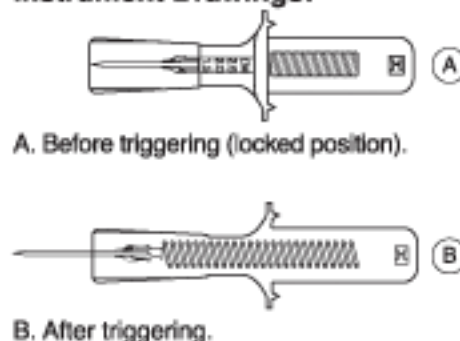
**9**

Adjust flow or inject drugs and fluids.

Optimal flow maintains by high pressure up to 300 mmHg to the infusion bag.



**Instrument Drawings:**



A. Before triggering (locked position).

B. After triggering.

**Recommended Penetration Depth:  
Pediatric (Red 18G)**

	<i>Proximal Tibia</i>
Infants 0 to 3 years of age	0.5 - 0.7 cm
Pediatrics 3 to 6 years of age	1.0 - 1.5 cm
Pediatrics 6 to 12 years of age	1.5cm

**B.I.G.<sup>TM</sup> for pediatrics is intended for children from 0-12 years**

**WARNING:**

1. Intraosseous infusion is an emergency alternative to be utilized until standard or conventional venous access can be obtained. It is not recommended for use for longer than a 24 hour period.

2. The sale of this device is restricted to sale by or on the order of a physician.

3. When using the B.I.G.<sup>TM</sup> device the possibility of air embolization may exist.

4. The safety of the B.I.G.<sup>TM</sup> in patients with osteoporosis, Osgood Schlatter disease or other proximal tibia bone pathologies or deformities that may blur or obscure landmarks has not been proven.

**CAUTION:**

1. B.I.G.<sup>TM</sup> tip must be directed away from the joint space and epiphisealplate.

2. The B.I.G.<sup>TM</sup> device is supplied sterile and is not for re-use.

**CONTRAINDICATIONS:**

1. Contraindications for placement of the B.I.G.<sup>TM</sup> include skin infection, fracture at insertion site, compromised extremity, burns, scarring, etc.