



Advantages of EZ-IO[®]

- Simple to use for both pediatrics and adults
- Establishment of vascular access in any patient in less than 10 seconds
- Stable and secure line for transport
- Drug delivery equivalent to a central line, even in CPR patients
- Relatively painless insertion, equivalent to placement of a peripheral IV without local anesthesia, allowing for use in alert patients
- Can deliver any drug, fluid, or blood products through the IO route
- Decreases scene time

Indications for EZ-IO[®] Use

- Cardiac arrest
- Major trauma
- Patients requiring rapid sequence intubation or sedation for stabilization
- Patients with difficult peripheral venous access who clinically do not require a central line for therapy
 - Diabetics
 - Renal dialysis patients
 - Burn patients
 - IV drug abusers
 - Sickle cell patients
 - Obese patients
 - Cancer patients
 - Dehydrated patients

EZ-IO[®] Use in Alert Patients

- Average pain score upon insertion in alert adults with no local anesthesia is 2.5 on a 0–10 pain scale
- Pain is equivalent to a single stick with a 18–16 gauge peripheral IV due to the patented tip of the needle and speed of insertion
- Once in place, the IO catheter is painless
- Pressure infusion does cause significant discomfort in alert patients
- Initial push after catheter placement of 20–40 mg of 2% Lidocaine in adults effectively blocks the pressure sensors in the intraosseous space
- Lidocaine dosage for alert pediatric patients is 0.5 mg/kg as a slow initial push
- Follow the Lidocaine with a 10 ml saline flush to ensure good flow