

IV / IO ACCESS

ALL PROVIDERS / EMT

- ❑ Focused history and physical exam
 - Vital sign assessment, blood glucose, oxygen and temperature assessment.
 - Consider IV/IO placement for fluid therapy or medications as needed.

ADULT

PEDIATRIC (<15 years of Age)

NOTE: Pediatric weight based dosing should not exceed Adult dosing.

ADULT AEMT

PEDIATRIC AEMT

- ❑ **IV – Peripheral**
 - Preferred site is usually the hand or forearm except in resuscitation when antecubital is preferred
 - Place the largest gauge catheter possible
 - If unsuccessful in the arm, then try feet or legs
- ❑ **IO - Interosseous**
 - Place the IO in the tibia or humeral head
 - Avoid fractured bones, infection sites, excessive edema or excessive tissue over the site
 - Consider a pressure bag for fluid therapy if an IO is placed
 - **NOTE:** in conscious patients **20-50mg of 2% Lidocaine** should be given SLOWLY through the IO before a fluid bolus, lessen the initial pain of infusion
- ❑ **IV Fluid Therapy**
 - All IV's are set at KVO/TKO unless giving a bolus of fluid
 - Bolus with NS or LR only
 - Refer to the ***Shock and Fluid Therapy Guideline for fluid management***

- ❑ **IV – Peripheral**
 - Preferred site is usually the hand or forearm except in resuscitation when antecubital is preferred
 - Place the largest gauge catheter possible
 - If unsuccessful in the arm, then try feet or legs
- ❑ **IO - Interosseous**
 - Insert the appropriate sized needle for age and weight
 - The approved sites in children are the tibia and proximal humerus
 - Avoid fractured bones, infection sites, excessive edema or excessive tissue over the site
 - Consider a pressure bag or syringe boluses for fluid therapy if an IO is placed
 - **NOTE:** in conscious patients **0.5mg/kg of 2% Lidocaine** should be given SLOWLY through the IO before a fluid bolus, to lessen the initial pain of infusion
- ❑ **IV Fluid Therapy**
 - All IV's are set at KVO/TKO unless giving a bolus of fluid
 - Bolus with NS or LR, 20mL/kg then reassess
 - Refer to the ***Shock and Fluid Therapy Guideline for further fluid management***

ADULT PARAMEDIC

PEDIATRIC PARAMEDIC