

First Aid**EMR****EMT****AEMT****Paramedic**

Intraosseous Infusion (IO) (March 2013)

Item: Invasive medical procedure used to administer fluids or medication through the vascular structures of a bone when intravenous access is not available.
Classification: <ul style="list-style-type: none">• Advanced Life Support procedure• Specified in Basic Scope of Practice• Limited Advanced Life Support procedure for AEMTs for use in pediatric patients
Use and Level: <ul style="list-style-type: none">• Not authorized for EMT• Authorized for Paramedics as part of Basic Scope of Practice and for AEMTs in pediatric patients
Authority: <ul style="list-style-type: none">• Section 100146 (c) (1) (G) of the Paramedic Regulations (Chapter 4, Division 9, Title 22, California Code of Regulations) and Section 100106 (b) (5) of the Advanced EMT Regulations (Chapter 3, Division 9, Title 22, California Code of Regulations).
Training: As specified by local EMS Authority and Director of Emergency Medical Services Authority. .
Equipment: <ul style="list-style-type: none">• No suggestions/recommendations
Medical Direction: Used in accordance with a protocol written and approved by the local EMS agency medical director (HS 1797.220).
Considerations and Recommendations: A device to place the IO needle is recommended over manual needle placement.