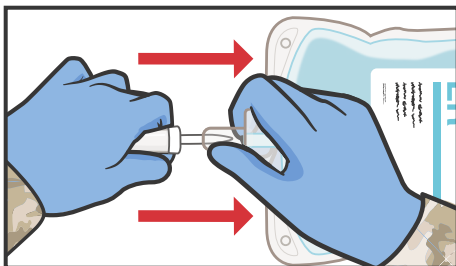


# STERNAL INTRAOSSEOUS (FAST1® IO)

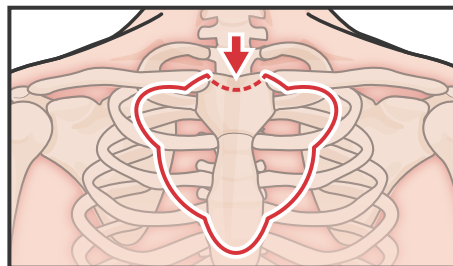


**CONSIDER** body substance isolation.  
**NOTE:** If a Combat Lifesaver is available, direct them to assist.

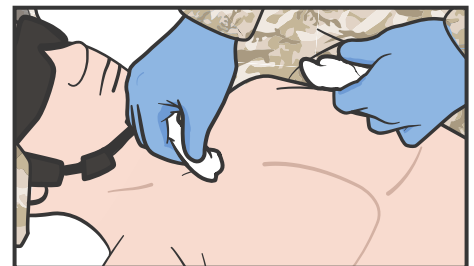
**01 GATHER, PREPARE, and INSPECT** equipment.



**02 SPIKE** intravenous (IV) bag and properly prepare IV tubing.



**03 LOCATE** suprasternal notch landmark.



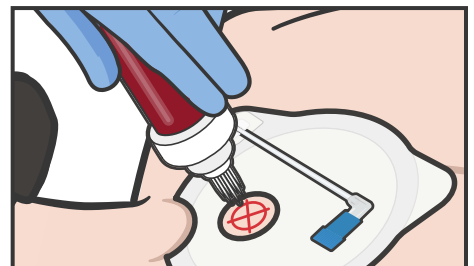
**04 CLEAN** site with alcohol or povidone-iodine pad.



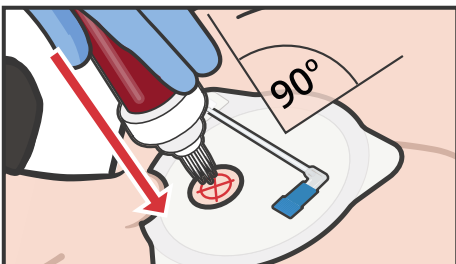
**05 REMOVE** top half of target patch backing first, place target patch at the landmark, and remove bottom half of the target patch backing.



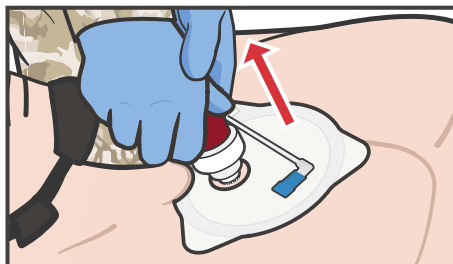
**06 RECHECK** the location of the target patch by verifying that the target zone is on the midline over the manubrium.



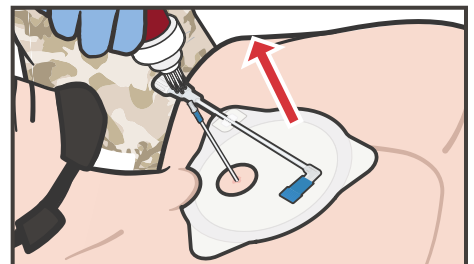
**07 REMOVE** the cap from the FAST1 device and place the bone needle cluster into the target zone of the target patch.



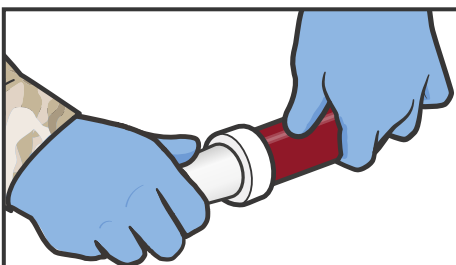
**08 MAINTAIN** the introducer perpendicular to the sternal surface.



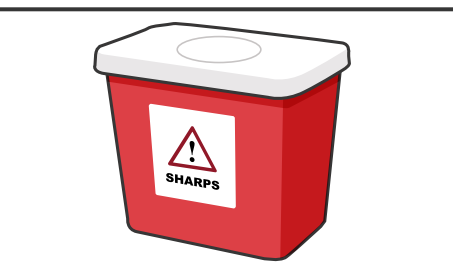
**09 APPLY** increasing pressure along the introducer axis until release is felt and heard.



**10 GENTLY** remove the introducer by pulling straight back.



**11 PUSH** the needles of the introducer into the accompanying sharps foam plug, reattach the sharps protection cap to secure the needles, and dispose of in a sharps container.

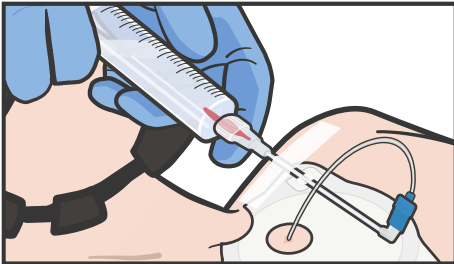


**12 CONNECT** the infusion tube to the right-angle connector on the target patch.

*Continued on next page...*

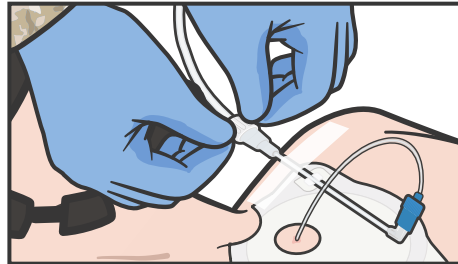
# STERNAL INTRAOSSEOUS (FAST1® IO)

Continued...

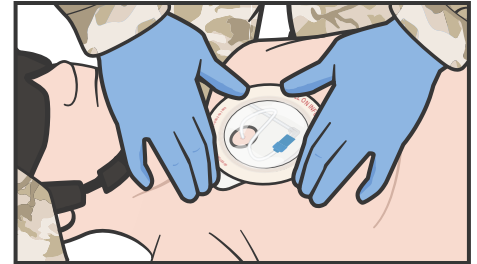


**13 CONNECT** the syringe, aspirate to confirm needle is in the marrow (should see flash of blood-tinged material) and flush the infusion tube with 5 ml of sterile IV solution.

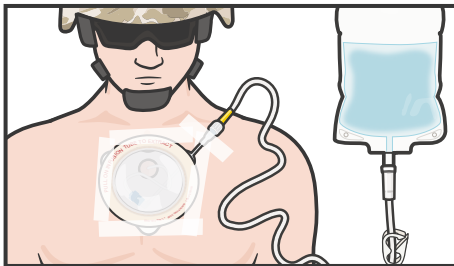
**NOTE:** This is necessary to flush the bone plug or any obstructing tissue.



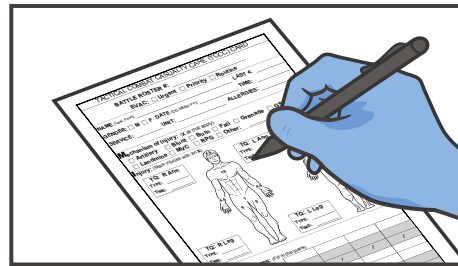
**14 CONNECT** the IV infusion tubing and initiate flow of fluids.



**15 ATTACH** the protective dome to the target patch and secure with tape.



**16 ADMINISTER** IV fluids and/or medications as needed.



**17 DOCUMENT** all findings and treatments on a DD Form 1380 TCCC Casualty Card and attach it to the casualty.