



Vascular Access

Advanced EMT

Paramedic

PROCEDURE

- Assemble IV bag and tubing using sterile technique
- Fill drip chamber and prime IV tubing
- Apply venous constricting tourniquet to patient's arm
- Select appropriate vein and cleanse site
- Stabilize vein with skin traction
- Insert needle with bevel side up, either next to or over the vein
- Advance needle and catheter into the vein until blood appears in the flash chamber
- Holding catheter in place, withdraw needle, tamponading the vein
- Release venous tourniquet
- Connect the end of the extension set to the hub of the catheter
- Open flow regulation clamp and monitor for signs of infiltration
- Tape catheter and extension set securely in fluid
- Adjust flow rate to administer the appropriate volume of fluid
- Dispose of contaminating material in an appropriate receptacle

REFERENCE GRAPHICS

All training skills for the peripheral venous route management



KEY POINTS

- Monitor carefully for infiltration. Extravasation of some medications can cause tissue sloughing
- Consider an IO if the patient is critical and requires urgent access
- Consider large bore veins for rapid administration of fluids as well as vasopressor agents

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