

Southern Illinois Regional EMS System

II-2 MONITORING THE PATENCY OF IV'S

1. Purpose:
 - 1.1. To establish guidelines to monitor the patency of a peripheral, central, or intraosseous IV to provide a route for replacement of fluids, electrolytes, blood products, or to provide a lifeline for administration of medications. Necessary equipment should be readily available in the event an IV must be discontinued and another IV established.
2. Equipment needed:
 - 2.1. Gloves and full face protection.
 - 2.2. Intravenous canula:
 - 2.2.1. Hollow needle:
 - 2.2.1.1. Including those attached to a syringe and the “butterfly” type.
 - 2.2.2. Indwelling plastic catheter over a hollow needle (Angiocath).
 - 2.2.3. Indwelling plastic catheter inserted either through a hollow needle or over a guide wire which is previously introduced through a needle.
 - 2.2.4. Bone marrow needle.
 - 2.3. IV fluids.
 - 2.4. Infusion set.
 - 2.5. Extension set.
 - 2.6. Antiseptic cleansing solution.
 - 2.7. Sterile dressing.
 - 2.8. IV securing devise, either:
 - 2.8.1. Adhesive tape cut into strips.
 - 2.8.2. Commercial IV securing device.
 - 2.9. Bottle of 1% Xylocaine without Epinephrine.
 - 2.10 18 gauge needle to puncture the skin.
 - 2.11 Tourniquet, may use:
 - 2.11.1. Soft rubber tubing.
 - 2.11.2. Flat latex tourniquet.
 - 2.11.3. Commercial tourniquet.
 - 2.11.4. Blood pressure cuff.