PERIPHERAL IV ACCESS/HEPARIN OR SALINE LOCK  
EMMCO WEST ALS GUIDELINE

Criteria:
A. Patient in need of fluid administration for volume expansion or medication administration.

Exclusion Criteria:
A. Patient has a functioning peripheral extremity IV.
B. Patient has an indwelling central venous line and is hemodynamically unstable.

Procedure:
A. See accompanying flowchart

Notes:
1. After 3 attempts at an IV, contact medical command for guidance in non-critical patients.
2. Unless otherwise specified, use Macro drip tubing (10-20 gtt/ml)
3. Unless otherwise specified, order for IV access in adults is peripheral, external jugular, IO.
4. The ALS practitioner may attempt Jugular and IO if unable to access an IV in a Category 1 trauma patient on unstable/critical medical patient.
5. Document fluid type, size of catheter, site, and any complications on Pa PCR

Possible Medical Command Orders:
A. Jugular and IO access are at the discretion of the MC physician for critical or unstable medical patients.
B. Category 2 trauma patient: Jugular and IO access at the discretion of the MC physician.
C. Category 3 trauma patients generally do not need Jugular or IO access if a peripheral IV is not possible.
D. Unless otherwise specified, order for IV access in adults is peripheral, external jugular, IO.
PERIPHERAL IV ACCESS/HEPARIN OR SALINE LOCK  
EMMCO WEST ALS GUIDELINE

Explain the procedure to the patient whenever possible.
Ask about alcohol or betadine allergies.
Select appropriate catheter size
Prepare tape or commercial adhesive devices and other equipment as necessary
Apply tourniquet
Palpate suitable vein, distal to proximal
Cleanse site appropriately
Perform Venipuncture
- Apply traction to vein
- Insert stylett/catheter
- Note flashback
- Advance catheter
- Occlude proximal vein
- Remove stylette

If unsuccessful after 3 attempts
Unstable/critical medical or category 1 trauma patient
Consider EJ
Consider IO
Contact Medical Command

Ensure drip chamber and tubing is filled.
Attach line
Open flow regulator and observe drip chamber for flow
Set flow rate
Observe for swelling, redness, pain

Attach lock
Attach syringe
Withdraw slightly, watch for blood
Flush with heparin/saline
Observe for swelling, redness, pain