Infusion Therapy

**Vascular Access Device Selection Criteria**
*Suggested Choices (Decision Tree)*

**KEY:**

**TYPE OF ACCESS**
- PIV -- Peripheral IV
- PICC -- Peripherally Inserted Central Catheter
- CVC -- Non-tunneled, central venous catheter
- TUN -- Tunneled CVC
- PORT -- Implanted CVC

*IRRITATING MEDICATIONS AND VESICANTS --see list
*ESRD -- End stage renal disease

**CATHETER CHOICE**
*(In order of preference)*
- PICC lines contraindicated for ESRD*, Quadriplegia, Bilateral radical mastectomy

**INFUSION THERAPY**

- **< 10% Dextrose**
- **Isotonic Solutions**
- **Osmolarity <500mOsm/L**
- **Medication-pH 5.0-9.0**
- **Central access not required**

- **>10% Dextrose**
- **Osmolarity > 500mOsm/L**
- **Medication-pH <5.0 or>9.0**
  - See list Irritating Medications
  - **Central access required**

**Vascular Integrity**
- **GOOD**
- **POOR**

**Duration of Therapy**
- **< 7 DAYS**
- **1-4 WEEKS**
- **< 3 MONTHS**
- **> 3 MONTHS**

**PICC lines contraindicated for ESRD**, Quadriplegia, Bilateral radical mastectomy

*Veterans Affairs Medical Center, Spokane  Jan 2006*