Pharmacy 483
Institutional and Healthcare Systems

Home Care Programs
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Home Care Programs

- Home Infusion Service**
- Home Nursing Service
- Home Respiratory Service
- Home Physical/Occupational Therapy
- Home Hospice Service

Home Infusion Services

- IV Antimicrobials
- IV Fluids
- Total Parenteral Nutrition
- Tube Feedings
- Parenteral Pain Management
- IV Cancer Chemotherapy
IV Antimicrobials Clinical Issues

- Appropriate medication for organism?
- Appropriate dose of medication?
- Appropriate frequency for home?
- Can the patient take oral equivalent?
- Appropriate monitoring available?

Patient: JP, 48 yo male with fever

- Enterococcus faecalis in blood 3/4
- PASV PICC placed in L. arm
- Plan to discharge on Ampicillin 2gm q4h IV
- Problems?
- Solutions?

Patient: 49 yo male with fever

- Med History: many admits for skin abscess
- Social: IVDU x30 years
  Lives with friends
- Bacteremic with MRSA, 6/6 bottles
- Plan: home with Vancomycin 1gm IV q12h x28
- Problems?
- Solutions?
IV Antimicrobials Other Issues

• Acceptable home setting?
• Acceptable patient abilities/habits?
• Acceptable caregiver for help?
• Acceptable IV access?
• Acceptable funding?

IV Fluids Assessment

• Acceptable home setting?
• Acceptable patient abilities/habits?
• Acceptable caregiver for help?
• Acceptable IV access?
• Acceptable funding?

Total Parenteral Nutrition

• Acceptable home setting?
• Acceptable patient abilities/habits?
• Acceptable caregiver for help?
• Acceptable IV access?
• Acceptable funding?
• Acceptable follow-up with physician?
Tube Feeding Assessment
• Acceptable home setting?
• Acceptable patient abilities/habits?
• Acceptable caregiver for help?
• Acceptable access tube?
• Acceptable funding?
• Acceptable mode of administration?

Parenteral Pain Management
• Acceptable home setting?
• Acceptable patient abilities/habits?
• Acceptable caregiver for help?
• Acceptable IV/SC access?
• Acceptable funding?

Home Cancer Chemotherapy
• Acceptable home setting?
• Acceptable patient/care giver abilities?
• Acceptable caregiver for help?
• Acceptable IV access?
• Acceptable funding?
• History of tolerating chemo?
Infusion Pumps

- Multipurpose pump
- TPN Pump
- PCA Pump
- Continuous/bolus

IV Access Devices

- Peripheral Catheter
- PICC - Peripherally Inserted Central Catheter
IV Access Devices

Groshong Catheter

Implanted Ports

ADD-vantage type vials
Syringe Pump

Home Infusion Systems

- Proprietary private
- Internal hospital based
- HMO based