Pharmacy 483
Institutional and Healthcare Systems

Home Care Programs
Jeff Purcell Pharm.D.
jbp@u.washington.edu

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, 51 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: 51 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

IV Access Devices

PICC-Peripherally Inserted Central Catheter
Syringe Pump

Home Infusion Systems

- Proprietary private
- Internal hospital based
- HMO based