Review correct **procedure and precautions** for the following routes of **administration**:

- Ear drops
- Enteral feeding tube
- Eye drops
- IM, subcut injections
- IV therapy
- Long-acting (SR, XR) medications
- Medications that cause gastrointestinal irritation such as oral potassium chloride and prednisone
- Rectal Suppository
- Transdermal Patch

Review **monitoring and precautions** related to:

- Medication Allergy
- Drug/Disease Interactions
- Drug/Food Interactions

Review **indications, action of medications, adverse effects, monitoring, precautions, and patient teaching implications** related to:

- **Analgesics, such as**
  - Acetaminophen
  - Hydrocodone and acetaminophen (Vicodin®)
  - Morphine

- **Antibiotics, such as**
  - Amoxicillin
  - Levofloxacin (Levaquin®)

- **Anticoagulants, such as**
  - Heparin
  - Enoxaparin (Lovenox®)
  - Warfarin (Coumadin®)

- **Anticonvulsants, such as** phenytoin (Dliantin®)

- **Bronchodilators, such as** albuterol (Proventil®)
- **Cardiovascular Medications, such as**
  - Atorvastatin (Lipitor®)
  - Beta blocker metoprolol (Lopressor®)
  - Clonidine (Catapres®)
  - Digoxin (Lanoxin®)
  - Diltiazem-SR (Cardizem®-SR)
  - ACE inhibitor enalapril (Vasotec®)

- **Diabetic Medications, such as**
  - 70% NPH insulin 30% regular insulin (Novolin® 70/30)
  - Lispro (Humalog®)
  - Metformin (Glucophage®),

- **Glucocorticosteroids, such as** prednisone

- **Reversal Agents/Antidotes, such as** flumazenil (Romazicon®)

- **Sedatives/Anxiolytics, such as**
  - Long-acting benzodiazepines
  - Lorazepam (Ativan®)
  - Midazolam (Versed®)

Review **IV Therapy monitoring**, such as recognizing infiltration, extravasation, phlebitis.

Review **Calculations, including**

  - IV drip rate
  - Pounds to kilograms
  - Number of tablets, or number of milliliters to obtain ordered dose