Advanced Inpatient Experience Objectives

Upon completion of the advanced inpatient experience, the student will be able to demonstrate:

1. **Problem Solving Skills**
   
a. Data collection – develop a systematic approach to gather, organize, and prioritize pertinent data through:
      
i. Utilizing current and past medical records, patient interviewing, and interaction with other health professionals to obtain any or all of the following information:
          1. History & Physical
          2. Medication use (past and current)
          3. Progress notes
          4. Lab values
          5. Tests/procedures
          6. Culture/sensitivity data
      
ii. Performing any relevant physical assessments not otherwise available

b. Development of a problem list – develop a systematic approach to identify and prioritize each of the patient’s problems, including the following drug-related problems:
      
i. A problem of the patient is not being treated or is not maximally being treated
   
ii. A medication the patient is receiving is not indicated or is contraindicated
   
iii. A problem of the patient is being caused by one of his/her medications
   
iv. The patient is not being properly monitored with respect to his/her drug therapy (efficacy, toxicity, pharmacokinetics)
   
v. A drug interaction or potential drug interaction exists
   
vi. A drug dose or duration of therapy is inappropriate (especially in the presence of hepatic or renal impairment)
   
vii. A drug is interfering with or masking the manifestation of a disease or altering the interpretation of a lab test
   
viii. A medication is being administered utilizing an inefficient route or dosage form
   
ix. The patient has a medication regimen that is leading to non-compliance

c. Development of a Sound Therapeutic Plan
   
i. Develop a therapeutic plan that includes:
      
       1. Therapy
a. Non-pharmacological
b. Pharmacological

2. Goal or endpoint of therapy
3. Monitoring parameters

ii. Demonstrate the ability to analyze treatment options (both prescription and non-prescription) for each problem, while taking into account the following:
   1. Pathophysiology of the disorder
   2. Etiology (especially drug-related causes) of the disorder
   3. Guidelines of treatment/standard of care
   4. Pertinent evaluation of the available literature
   5. Benefit of therapy versus risk
   6. Cost of treatment
   7. Institutional formulary

iii. For each therapeutic option, be able to discuss:
   1. Pharmacology
   2. Dosing
   3. Pharmacokinetics
   4. Routes of administration and/or dosage forms
   5. Contraindications/precautions
   6. Adverse drug reactions
   7. Interactions (drugs, dietary supplements, food, laboratory)
   8. Monitoring parameters for efficacy and toxicity
   9. Other relevant clinical issues related to the medication

   d. Reassess the patient problem list daily and adjust the therapeutic plan as necessary

2. Drug Information Skills
   a. Use the most appropriate resources to respond to drug information questions from patients and health professionals in an accurate and timely manner

3. Additional Activities to be Completed
   a. Students are expected to complete at least one project that should result in a written report and/or verbal presentation. Examples include:
      i. Case presentation
      ii. Journal club
iii. Healthcare professional educational in-service

4. Communication Skills
   a. Develop the ability to effectively communicate, both in writing and verbally, with the patient as well as with health professionals; specific examples include, but are not limited to:
      i. Medication education and patient discharge counseling
      ii. Patient interviewing
      iii. Concise education on selected pharmacotherapeutic topics to health professionals
      iv. Informal case presentations on a routine basis
      v. Formal response to drug information questions
      vi. Complete documentation of interventions made
      vii. Effective communication with the healthcare team, including:
           1. Conveying the therapeutic plan
           2. Calling attention to unrecognized patient problems

5. Professionalism
   a. Conduct him/herself in a professional and ethical manner when interacting with patients and health professionals by always:
      i. Demonstrating the ability to initiate, organize, and complete projects and assignments in an accurate and timely manner
      ii. Demonstrating the ability to establish effective relationships with patients and other health professionals
      iii. Arriving on time and prepared for all rotation activities
      iv. Effectively utilizing his/her time
      v. Expressing an appropriate degree of empathy for patients and their families
      vi. Maintaining protected health information in a confidential manner
      vii. Developing the philosophy of a team approach to patient care
      viii. Developing habits consistent with life-long learning