Description of Rotation:

This rotation is designed to enhance student’s ability to observe and provide comprehensive medication therapy management for acutely ill patients in a hospital or clinic setting.

Goals of Rotation:

Facilitate student learning and critical thinking skills in a hospital or clinic environment in order to:

1. Understand patient health care needs.
2. Apply evidence based medicine.
3. Enhance and reinforce didactic course work.
4. Develop interpersonal communication skills.
5. Adopt and formulate ethics and integrity for practice and career
6. Formulate an understanding of the laws and regulations for the practice site
7. Describe the pathophysiology of common illness
8. Explain monitoring parameters given the particular disease state and the treatment regimen (including efficacy, toxicity, side effects, and potential drug interactions)
9. Provide non-pharmacological treatment for disease states

Learning Objectives:

Upon completion of this rotation the student should be able to:

Activities:

1. Patient interviews and care plans
   a. Medication Reconciliation
   b. Medication Therapy Management
   c. Patient goal setting
2. Case/ disease state presentations and discussions
3. Research drug information question
4. Educational programs
   a. Patients
   b. Medical Staff
   c. Students
5. Newsletter
6. Physical Assessment
7. Define patient goals for each disease state
8. Data collection
9. Medication Misadventures
10. Drug Shortages
11. Required Readings

Common disease states encountered in the hospital setting (*list not inclusive*):

1. Clotting disorders
2. Allergies
3. Obesity
4. Dementia
5. Anxiety Disorders
6. Depression
7. Falls
8. Hearing Impairment
9. Incontinence
10. Palliative Care
11. Psychotic Disorders
12. Pressure Ulcers
13. Fractures
14. Osteoarthritis
15. Osteoporosis
16. Cognitive decline
17. Agitation
18. Sleep disorders
19. Neurologic Disorders
20. Arrhythmias
21. Diabetes /Metabolic Syndrome
22. Dyslipidemia
23. Hypertension
24. Asthma/COPD
25. Thyroid Disorders
26. GERD
27. CHF
28. Anemia
29. Pain Management
30. PAD
31. Nutrition/ Malnutrition
32. Infectious Diseases
33. Seizure Disorder
34. Coronary Artery Disease/Angina
Potential longitudinal activities to accomplish at site:

1. Identify and collect appropriate drug-related monitoring parameters for each assigned patient
2. Maintain an adequate patient data base for each assigned patient
3. Identify and prioritize drug-related problems for each assigned patient
4. Assess the appropriateness of each assigned patient’s drug therapy
5. Construct a detailed pharmacotherapeutic plan for each assigned patient
6. Present all patient data in a concise and meaningful fashion
7. Provides evidence-based regimens and monitoring plans for each patient
8. Obtain and write-up a patient medication history
9. Provide medication information to a unique cultural and socioeconomic diverse patient
10. Counsel a patient on their medications
11. Provide a verbal therapeutic plan recommendation to another health-care professional
12. Perform medication reconciliation for patients
13. Interpret diagnostic tests results for patient/caregiver/or preceptor
14. Take a patient’s blood pressure
15. Take a patient’s pulse
16. Assess a patient’s peripheral edema
17. Take a patient’s respiratory rate
18. Assess a patient’s temperature
19. Provide an optimal pain management or palliative care plan for a patient
20. Observe a Health Care professional perform a full physical examination and assess results
21. Make a warfarin dosage adjustment based on patient parameters
22. Recommend empiric antibiotic therapy
23. Recommend antibiotic therapy based upon a culture and sensitivity
24. Assess the significance of a drug-drug interaction
25. Adjust a drug dose in a patient with renal insufficiency
26. Determine monitoring parameters for a patient being treated for an infectious disease
27. Assist in explaining to a patient or caregiver their health-insurance options
28. Prepare a written pharmacokinetic consultation
29. Prepare a handout for case presentation
30. Prepare an article for a newsletter or publication
31. Prepare a patient education sheet
32. Prepare a written drug information response in a practice setting
33. Provide an education presentation to pharmacists
34. Provide an education presentation to other health care professionals
35. Lead a Journal Club discussion
36. Participate in a Patient/Medication Safety Review or error reduction program
37. Discuss or Implement, evaluate, and obtain reimbursement for MTM services
38. Participate in a discussion of a pharmacist role in ethical issues related to any of the following topics: end of life care, professional behavior, clinical research, and pharmacy current event/hot button issue