HIV/AIDS Care

Description of Rotation:

A HIV rotation provides a comprehensive and in-depth look at the holistic health-care needs of patients infected with Human Immunodeficiency Virus (HIV) from infectious disease, nutrition, and psychosocial needs of the patient.

Goals of Rotation:

Facilitate student learning and critical thinking skills in an HIV/AIDS clinic environment in order to:

1. Understand patient healthcare needs.
2. Apply evidence-based medicine.
3. Enhance and reinforce didactic course work.
4. Develop interpersonal communication skills.
5. Describe the pathophysiology of a patient infected with HIV.
6. Explain monitoring parameters given the particular disease state and the treatment regimen (including efficacy, toxicity, side effects, and potential drug interactions).
7. Provide non-pharmacological treatment for disease states.

Learning Objectives:

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

1. Describe the symptomatology, physical findings, pathophysiology, diagnostic procedures, laboratory tests, primary and alternative pharmacotherapies, and non-pharmacological treatments for disease states encountered during the rotation.
2. Describe and understand the general principle of immunization, including appropriate schedules as well as immunizations required in specific patient populations.
3. Provide recommendations for medication dose adjustments based upon pharmacokinetic and pharmacodynamic principles.
4. Provide appropriate monitoring parameters for the chosen treatment plan (including efficacy, toxicity, side effects, and potential drug interactions).
5. Effectively communicate the drug treatment plan to the patient with appropriate precautions and expectations.
7. Counsel patients on commonly prescribed medications and devices.
8. Develop plans to manage commonly encountered disease states.
9. Discuss the standard protocols which minimize the risk of HIV exposure to healthcare providers.
10. Discuss the benefits and limitations of alternative medicine (i.e., herbal therapy, biofeedback, etc.).
11. Document all appropriate recommendations and interventions.
Activities:

1. Patient interviews and care plans
   a. Medication Therapy Management
   b. 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. Required Readings

Common disease states encountered in this setting (list not inclusive):

1. Infectious Disease
2. Fungal infections
3. Viral Infections
4. Hepatitis
5. TB
6. Nutrition
7. Allergies
8. Guillain-Barré Syndrome
9. Drug Abuse
10. Pneumocystis carinii
11. Eye Health
12. Depression
13. Mood disorders
14. URI
15. Oral Health
16. Immunizations
17. Opportunistic Infections
18. Weight Loss
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. Provide a recommendation and counseling on an OTC product
11. Counsel a patient on their medications
12. Provide a verbal therapeutic plan recommendation to another health-care professional
13. Perform medication reconciliation for patients
14. Interpret diagnostic tests results for patient/caregiver/or preceptor
15. Provide an optimal pain management or palliative care plan for a patient
16. Observe a Health Care professional perform a full physical examination and assess results
17. Make a warfarin dosage adjustment based on patient parameters
18. Recommend empiric antibiotic therapy
19. Recommend antibiotic therapy based upon a culture and sensitivity
20. Assess the significance of a drug-drug interaction
21. Adjust a drug dose in a patient with renal insufficiency
22. Determine monitoring parameters for a patient being treated for an infectious disease
23. Assist in explaining to a patient or caregiver their health-insurance options
24. Prepare a written pharmacokinetic consultation
25. Prepare a handout for case presentation
26. Prepare an article for a newsletter or publication
27. Prepare a patient education sheet
28. Prepare a written drug information response in a practice setting
29. Provide an education presentation to pharmacists
30. Provide an education presentation to other health care professionals
31. Lead a Journal Club discussion
32. Participate in a Patient/Medication Safety Review or error reduction program
33. Develop a community-based educational initiative
34. Discuss or Implement, evaluate, and obtain reimbursement for MTM services
35. 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