Poison Control

Description of Rotation:

A Poison Control rotation involves the managing of toxicity and poisonings via phone calls to a center and research the best treatment for the exposure or ingestion.

Goals of Rotation:

Facilitate student learning and critical thinking skills in a nephrology based practice 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 poisonings.
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. Provide recommendations for medication dose adjustments based upon pharmacokinetic and pharmacodynamic principles.
3. Provide appropriate monitoring parameters for the chosen treatment plan (including efficacy, toxicity, side effects, and potential drug interactions).
4. Effectively communicate the drug treatment plan to the patient with appropriate precautions and expectations.
5. Evaluate patient medication adherence and strategies for improving adherence.
6. Counsel patients on commonly prescribed medications and devices (i.e. blood glucose meters, peak flow meters, inhalers, etc.).
7. Discuss the benefits and limitations of alternative medicine (i.e., herbal therapy, biofeedback, etc.).
8. Provide appropriate follow-up (inpatient/outpatient)
9. Utilize the literature to guide the management of poisonings
10. Demonstrate the knowledge and understanding of common poison management protocols
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. Over-dosages
2. Exposure
3. Snake bites
4. Acid/Base Disorders
5. Alcohol
6. Accidental Ingestions
7. Toxic Inhalants
8. Bites and Stings
9. Carbon Monoxide
10. Obstructions
11. Food-borne illnesses
12. Drug Abuse
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. Observe a Health Care professional perform a full physical examination and assess results
16. Assess the significance of a drug-drug interaction
17. Adjust a drug dose in a patient with renal insufficiency
18. Prepare a written pharmacokinetic consultation
19. Prepare a handout for case presentation
20. Prepare an article for a newsletter or publication
21. Prepare a patient education sheet
22. Prepare a written drug information response in a practice setting
23. Provide an education presentation to pharmacists
24. Provide an education presentation to other health care professionals
25. Lead a Journal Club discussion
26. Participate in a Patient/Medication Safety Review or error reduction program
27. Develop a community-based educational initiative
28. Discuss or Implement, evaluate, and obtain reimbursement for MTM services
29. 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