

Institutional Pharmacy Advance Practice Experience Transcript

Student name _____

Preceptor Name _____

UM Professional Ability-Based Outcomes	Course Objectives	Required Activities /Additional Evidence
1a. Collect and organize patient data, medical records, interviews, and psychomotor evaluations	<i>Demonstrate ability in a variety of patient care settings to obtain medication histories, review chart material, participate in rounding, conduct discharge interviews and perform other functions which will have an effect on the therapy employed in patient care; Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Home Meds/MAR Review <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management
1b. Evaluate and interpret patient data	<i>Demonstrate ability in a variety of patient care settings to obtain medication histories, review chart material, participate in rounding, conduct discharge interviews and perform other functions which will have an effect on the therapy employed in patient care; Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Home Meds/MAR Review <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management
1d. Apply knowledge of specified drugs and drug classes	<i>Evaluate potentially toxic drug ingestion and communicate with both patients and other health care professionals concerning signs and symptoms, general supportive care, and specific treatment; Demonstrate knowledge of the information sources on parenteral drug therapy; Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Drug Overdose Exercise <input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management
1e. Apply knowledge of specific physiologic systems	<i>Evaluate potentially toxic drug ingestion and communicate with both patients and other health care professionals concerning signs and symptoms, general supportive care, and specific treatment; Demonstrate knowledge of the information sources on parenteral drug therapy; Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Drug Overdose Exercise <input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management
1f. Apply knowledge of specific disease pathology and comorbid conditions	<i>Evaluate potentially toxic drug ingestion and communicate with both patients and other health care professionals concerning signs and symptoms, general supportive care, and specific treatment; Demonstrate knowledge of the information sources on parenteral drug therapy; Demonstrate the ability to effectively</i>	<input type="checkbox"/> Drug Overdose Exercise <input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management

	<i>understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	
2a. Apply understanding of indications for pharmacologic and non-pharmacologic therapy	<i>Demonstrate knowledge of the appropriate indications, manufacturer, administration, and monitoring parameters for parenteral nutrition, lipids, and enteral nutrition</i>	<input type="checkbox"/> Parenteral Nutrition Management
2b. Apply clinical reasoning skills in drug product selection, chemical entity, dosage formulation based on principles of pharmaceuticals, medicinal and natural product chemistry	<i>Demonstrate knowledge of the appropriate indications, manufacturer, administration, and monitoring parameters for parenteral nutrition, lipids, and enteral nutrition; Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Case Presentation <input type="checkbox"/> Institutional Medication Management
2c. Develop appropriate dosing regimens, which reflect application of knowledge of pharmaceutical calculations, initial dose, dose titration, and dosage adjustments	<i>Demonstrate knowledge of the appropriate indications, manufacturer, administration, and monitoring parameters for parenteral nutrition, lipids, and enteral nutrition; Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Pharmacokinetics
2d. Prepare accurate patient-specific pharmaceutical agents, dosage forms and delivery systems	<i>Demonstrate sterile technique in the manufacture of intravenous admixtures and extemporaneous sterile preparations; Demonstrate knowledge of the necessary policies, procedures and techniques required to repackage manufactured pharmaceuticals and to research and prepare an extemporaneous or bulk basis special formulations for use within the hospital; Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Aseptic Technique/Intravenous Admixture <input type="checkbox"/> Pharmacokinetics <input type="checkbox"/> Order Management / Appropriate Storage Exercise
2e. Develop rational plans for monitoring therapeutic outcomes	<i>Demonstrate knowledge of the appropriate indications, manufacturer, administration, and monitoring parameters for parenteral nutrition, lipids, and enteral nutrition; Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Parenteral Nutrition Management <input type="checkbox"/> Pharmacokinetics <input type="checkbox"/> Institutional Medication Management
2f. Develop rational plans for monitoring and managing adverse events	<i>Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Pharmacokinetics
2g. Develop plans for anticipating, avoiding, and resolving drug interactions, drug-drug interactions, drug-food interactions, drug-disease interactions, drug-	<i>Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Pharmacokinetics

lab interactions, and drug-procedure interactions		
2h. Develop plans for patient education on drug therapy and therapeutic lifestyle changes	<i>Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Pharmacokinetics
2i. Document recommendations and services accurately and comprehensibly	<i>Demonstrate the ability to understand basic applied pharmacokinetic principles as it relates to rational drug therapy by providing consultation regarding drug management of a hospital patient</i>	<input type="checkbox"/> Pharmacokinetics
4a. Appropriately manage resources to maximize economic, clinical and humanistic outcomes for patients, and effectively manage financial, personnel, time, and technology resources	<i>Understand the principles of budgeting, purchasing and inventory control; Become familiar with required departmental reports and demonstrate the ability to prepare such reports; Understand after-hours service policy and demonstrate an ability to formulate alternatives to procedures employed; Demonstrate an understanding of proper filing of drug information materials; Understand how to organize and operate a drug information service including physical accommodations, reference sources, budgeting, responsibilities and documentation of services</i>	<input type="checkbox"/> Order Management / Appropriate Storage Exercise <input type="checkbox"/> Institutional Policy Exercise
4b. Appropriately manage safe, accurate and time-sensitive medication distribution	<i>Understand the policies and procedures and can demonstrate the ability to function in the inpatient distribution system currently employed by the department; Understand why the medication distribution system was chosen for the hospital and can demonstrate knowledge of alternate systems that could be used; Understand the relationship of outpatient pharmacy to pharmacy department and can demonstrate ability to process a variety of prescriptions in this area; Demonstrate sterile technique in the manufacture of intravenous admixtures and extemporaneous sterile preparations; Demonstrate knowledge of the necessary policies, procedures, and techniques required to repackage manufactured pharmaceuticals and to research and prepare an extemporaneous or bulk basis special formulations for use within the hospital</i>	<input type="checkbox"/> Medication Distribution /QA Process <input type="checkbox"/> Continuity of Care Exercise <input type="checkbox"/> Aseptic Technique/Intravenous Admixture
4c. Apply ethics and professional principles to assure efficient utilization of resource management and effective treatment choices	<i>Use good professional judgment and demonstrate ability to cope with a variety of situations</i>	<input type="checkbox"/> Pharmaceutical Industry Exercise
4d. Assure that medication use systems minimize medication errors and optimize patient outcomes	<i>Understand the concepts of quality assurance and can demonstrate using outcomes to improve system processes</i>	<input type="checkbox"/> Medication Distribution /QA Process
4e. Develop proposals for establishing, marketing, and being compensated for medication therapy management and patient care services rendered	<i>Become familiar with required departmental reports and demonstrate the ability to prepare such reports</i>	<input type="checkbox"/> Institutional Policy Exercise
5a. Employ communication styles and techniques appropriate	<i>Demonstrate ability to consult with patients regarding use, cautions and storage of their</i>	<input type="checkbox"/> Discharge Counseling

to the audience	<i>medications; Demonstrate verbal and written communication skills as a necessary means to receive and disseminate drug information; Demonstrate knowledge of how to organize, prepare and disseminate an in-house pharmacy newsletter (for the medical staff and/or nursing service); Demonstrate a positive attitude toward the practice of pharmacy; Communicate effectively and appropriately</i>	
5b. Work effectively within a multidisciplinary/ interdisciplinary environment	<i>Understand the role of the manufacturer's representatives and can formulate policies regarding their activities within the institution; Understand the role of the pharmacy technician in the provision of pharmaceutical services in the hospital and can demonstrate knowledge of the components of a technician-training program; Understand the procedures relative to the administration of medications by nursing service or pharmacy services; Demonstrate ability in a variety of patient care settings to obtain medication histories, review chart material, participate in rounding, conduct discharge interviews and perform other functions which will have an effect on the therapy employed in patient care; Use good professional judgment and demonstrate ability to cope with a variety of situations; Communicate effectively and appropriately; Exercise punctuality and maintain expected attendance</i>	<input type="checkbox"/> Pharmaceutical Industry Exercise <input type="checkbox"/> Technician Training Activity <input type="checkbox"/> Medication Administration Exercise
5c. Include patient and caregiver as integral parts of a treatment plan	<i>Demonstrate ability to consult with patients regarding use, cautions and storage of their prescribed medications</i>	<input type="checkbox"/> Discharge Counseling
8a. Serve as reliable and credible source of drug information	<i>Demonstrate verbal and written communication skills as a necessary means to receive and disseminate drug information</i>	<input type="checkbox"/> Drug Information Question
8b. Effectively educate patients utilizing all appropriate communication modalities (verbal, written, other)	<i>Demonstrate ability to consult with patients regarding use, cautions and storage of their prescribed medications</i>	<input type="checkbox"/> Discharge Counseling
8d. Present effective educational programs and presentations to public and health care profession audiences	<i>Demonstrate the ability to effectively understand and interpret the medical management of a hospitalized patient and communicate via a grand rounds presentation a work-up of the patient, and assessment of the drug therapy decisions</i>	<input type="checkbox"/> Case Presentation
9a. Demonstrate knowledge of the impact of health care systems on pharmacy practice	<i>Understand the basic organization of a hospital and the role of the pharmacy as a department within that hospital; Understand the Joint Commission accreditation process; Understand the relationship of outpatient pharmacy to pharmacy department and can demonstrate ability to process a variety of prescriptions in this area</i>	<input type="checkbox"/> Medication Distribution /QA Process <input type="checkbox"/> The Joint Commission Exercise <input type="checkbox"/> Continuity of Care Exercise
9b. Demonstrate understanding of the influences of legislation on pharmacy practice	<i>Understand the legal requirements for establishing and operating a hospital pharmacy department; Understand the Joint Commission accreditation process</i>	<input type="checkbox"/> The Joint Commission Exercise
11a. Take responsibility for gathering new knowledge	<i>Show initiative</i>	

