

Marshall University School of Pharmacy
PHAR 881 – General Medicine APPE Suggested Activities-Readings List

The general medicine APPE provides students experience in a clinical, acute care / institutional, team-based environment. Students will be expected to utilize abilities learned throughout the pharmacy curriculum in order achieve the goals of the rotation. These tasks include collecting patient-specific information, evaluating and monitoring drug therapy, educating patients or caregivers, responding to drug information inquiries, and functioning effectively within a health care team. Learning will be accomplished through a variety of ways including but not limited to team rounding, written projects, oral presentations, and other pharmacy related tasks.

Suggested Activities:

1. Disease State Management (DSM) / Medication Therapy Management (MTM) activities (patient teaching in individual or group settings, health care team in-services, related documentation, etc.)
2. Comprehensively monitor (therapeutic drug monitoring) at least 5 patients for pharmacy services.
3. Perform targeted drug monitoring to avoid drug related problems.
4. Complete pharmacokinetic drug monitoring and documentation.
5. Complete at least 3 SOAP or other style notes (regarding pharmacy interventions) for patients (reviewed by preceptor).
6. Counsel at least 3 patients concerning their disease states(s) and associated treatment (OTC and Rx)
7. Document interventions in the appropriate manner for the rotation site.
8. Communicate with other health care providers (nurses, PA's, ANRP's, MD's, DO's, etc.) concerning identified drug-related problems.
9. Efficiently answer drug information questions from patients or the health care team and formally document responses. Formal responses should be reviewed with the preceptor prior to communication with other professionals.
10. Attend a Pharmacy and Therapeutics meeting and complete a 1 page reflective summary of the experience.
11. Complete patient case discussions with the preceptor.

Additional Activities as Directed by the Preceptor and as Time allows:

Daily Tasks:

1. Multidisciplinary rounding with health care practitioners (as available).
2. Monitor, work up, and present to preceptor assessment and care plan for assigned patients.
3. Have student complete a weight based dosing for a pediatric, obese, or other patient type.
4. Complete pharmacokinetic drug monitoring as required.
5. Complete review of antibiotic utilization as required by medicine service and present results to preceptor.
6. Quizzes on student's pharmacotherapy knowledge.

Periodic Tasks (as opportunities arise):

1. Participate in an MUE / DUE.

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2. Prepare and present at least one (1) drug monograph.
3. Assist preceptor in preparing an article for publication.
4. Create and reference a therapeutic drug pathway or protocol.
5. Have the student complete a newsletter article for the site on a topic of interest.
6. Participate in the development or revision of a departmental or institutional policy.
7. Student can develop a patient education brochure / leaflet (e.g. food-drug interactions).
8. Participate in a home visit with a home health provider and complete a 1 page reflective summary of the experience.
9. Case/ Topic Discussions and Journal Club: student should prepare to present on or discuss topics or journal article.

SUGGESTED DISCUSSION TOPICS IN GENERAL MEDICINE

Diseases/Therapeutics

Antibiotic stewardship	Gastrointestinal disorders
Acid/base disorder	Gastrointestinal prophylaxis
Acute asthma exacerbation	Geriatric syndromes & special problems
Acute coronary syndrome	Hepatic disease/failure
Anemia	Hypertension
Anticoagulation therapy	Infectious diseases
Atrial fibrillation	Metabolic support
Beers criteria	Medication reconciliation & discharge counseling
Cerebral vascular accidents	Myocardial infarction (MI)
Cellulitis	Neurologic disorders
Chronic heart failure (CHF)	Oncology/hematology
Chronic obstructive pulmonary disease (COPD)	Pain management
Cirrhosis/liver failure	Palliative care/comfort care
Coronary artery disease (CAD)	Pharmacokinetic/pharmacodynamic alterations
Delirium/dementia	Polypharmacy
Diabetes	Pneumonia
Drug-drug, drug-food, & drug-lab interactions	Renal failure, acute and chronic
Dyslipidemia	Sepsis
Evaluating medication regimens in the older adult	Sickle cell disorder
Fluids/electrolyte imbalances & supplementation	Surgical prophylaxis
	Urinary tract infections (UTIs)
	Venous thromboembolism (VTE)

10. Have student analyze, document, and submit an adverse reaction to MedWatch or VAERS.
11. Have patient investigate and document a medication error.
12. Conduct a mock Board of Pharmacy inspection.
13. Participate in a mock Joint Commission pharmacy inspection and write a one page reflective summary of the experience.

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14. Site-specific project. Have the student work on a site-specific project that will benefit the practice site. Identify the needs of the practice site with the student and brainstorm ideas that will help solve problems or enhance care.

Suggested Readings:

**It is advantageous for students to have access to the following references during this rotation:

- Pharmacotherapy book / reference
- General drug information reference
- General medicine book / reference
- Physical assessment book / reference
- Laboratory interpretation book / reference
- Pharmacokinetics book / reference
- Adverse drug reaction book / reference