

Marshall University School of Pharmacy
PHAR 882 – Ambulatory Care / Primary Care APPE Suggested Activities-Readings List

The Ambulatory Care / Primary Care APPE provides students experience in an out-patient care clinically focused practice environment. Students will be expected to utilize abilities learned previously throughout the curriculum in order to perform the following tasks. Students will collect patient-specific information, evaluate and monitor drug therapy, educate patients and caregivers, respond to drug information inquiries and meet general course objectives and site-specific objectives developed by the preceptor.

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. Perform targeted drug monitoring.
3. Counsel patients concerning their disease states(s) and associated treatment (OTC and Rx)
4. Document interventions in the appropriate manner for the rotation site.
5. Communicate with other health care providers (nurses, PA's, ANRP's, MD's, DO's, etc.) concerning identified drug-related problems.
6. Efficiently answer drug information questions from patients or the health care team.
7. Complete patient case discussions with the preceptor.
8. Assist the pharmacist within the practice act guidelines for interns with all administered immunizations, documentation, and billing tasks.

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

Daily Tasks:

1. Multidisciplinary rounding with health care practitioners (as available).
2. Assist in protocol, monitoring parameter, or standing order development as appropriate.
3. Train all new patients started on blood glucose meters and strips.
4. Train all new patients started on inhalers.
5. Have students offer to review all blood glucose logs for patients picking up diabetes related medications.
6. Compound or reconstitute any medications for patients as appropriate. Have the student double check any calculations.
7. Have student complete a weight based dosing for a pediatric, obese, or other patient type.
8. Quizzes on student's pharmacotherapy knowledge.
9. Perform items to improve physical assessment skills:
 - a. Diabetic foot filament tests and lower extremity screenings
 - b. Blood pressure screenings
 - c. Edema screenings
 - d. Assessment for bruising and bleeding in anticoagulation patients
 - e. Assessment of vitals
 - f. Pain assessment
 - g. DVT screenings (hot, swollen, etc.)

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h. Assessment of medication side effects such as nystagmus, dyskinesia, etc..

Periodic Tasks (as opportunities arise):

1. Complete a Targeted Intervention Program (TIP).
2. Complete a Comprehensive Medication Review (CMR) or formal Medication Therapy Management (MTM) case.
3. Complete a Medicare Plan Comparison for a patient and discuss. Understand the health care plan comparison and plan selections and be able to explain to patients.
4. Discuss ways and perform tasks when applicable to increase patient adherence
5. Student may perform a new drug update for pharmacists or professionals on staff.
6. Student can perform health observances related activities (consult National Health Observances Calendar). Develop one intervention or topic to educate patients on during the rotation in relation to this health observance.
7. Have the student complete a newsletter article for the site on a topic of interest.
8. Student can develop a patient education brochure / leaflet.
9. Case/ Topic Discussions and Journal Club: student should prepare to present on or discuss topics or journal article.
10. Have student submit an adverse reaction to MedWatch or VAERS.
11. Have the student develop a disease state flip chart for patient education.
12. 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:

1. AFib/Stroke prevention Guidelines
<http://stroke.ahajournals.org/content/early/2012/08/02/STR.0b013e318266722a.full.pdf>
2. American Diabetes Association (ADA) Guidelines (January 2015 Update)
http://professional.diabetes.org/admin/UserFiles/0%20-%20Sean/Documents/January%20Supplement%20Combined_Final.pdf
3. Asthma (EPR-3) Guidelines:
<http://www.nhlbi.nih.gov/health-pro/guidelines/current/asthma-guidelines>
4. ATP-III Lipid Management Guidelines
5. <https://circ.ahajournals.org/content/early/2013/11/11/01.cir.0000437738.63853.7a>
6. Cardiovascular Health/Risk Reduction in Children & Adolescents
<http://www.nhlbi.nih.gov/health-pro/guidelines/current/cardiovascular-health-pediatric-guidelines>
7. COPD Gold Guidelines:
<http://www.goldcopd.org/Guidelines/guidelines-resources.html>
8. DCCT Trial
<http://diabetes.niddk.nih.gov/dm/pubs/control/>
9. JNC-VIII Guidelines for the management of HTN:

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<http://jama.jamanetwork.com/article.aspx?articleid=1791497>

10. Rheumatoid Arthritis (RA) Guidelines

[http://www.rheumatology.org/Practice/Clinical/Guidelines/Rheumatoid_Arthritis_\(Members_Only\)/](http://www.rheumatology.org/Practice/Clinical/Guidelines/Rheumatoid_Arthritis_(Members_Only)/)