

# PHP 594- Hypertension Elective Syllabus

## Course Information

Course Title: Hypertension Longitudinal

Course Number PHP 594

Course Discipline: Pharmacy Practice- Outpatient

Course description: This experience is designed to integrate current pharmacy practice with innovative patient-oriented service, hypertension clinics. Three hypertension clinics are scheduled weekly throughout the state in 3 hour blocks. Community pharmacy settings include independent as well as chain pharmacies. Students are expected to interact with patients and other healthcare providers and complete individualized pharmaceutical care plans documenting resulting interventions. Students are expected to investigate the latest guidelines for the management of hypertension or other cardiovascular risk factors. Students will also complete a variety of drug-information and writing assignments to be used by their specific practice sites. Through out the rotation, students will be expected to journal daily activities to be reviewed by the preceptor.

Meeting day(s): Monday-Friday

Meeting time(s): 8:00 am – 5:00 pm

Prerequisites: Successful completion of all professional didactic course work and sixth year Doctor of Pharmacy program standing

## Instructor information

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## Hypertension Clinic Information

Site	Site Preceptor	Clinic Time	Phone Number
Brooks, Pittman St.	Bridgit Witbeck, RPh MS	Wed 1-4 pm	401-861-4846
Chepachet Pharmacy	Craig Bowen, PharmD	Thurs 1-4 pm	401-568-2536
Brooks, Cranston	Scott Lancelotta, RPh, CDOE	Monday 1-4 pm	401-944-7172

## **Textbooks:**

Required reading      *Drug Information Handbook* for the current year, Lexi-Comp clinical reference is one that is recommended either loaded on to a PDA or as a book reference.

The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: The JNC 7 Report. *JAMA*. 2003;289:2560-2571.

## **Course Goals**

The Hypertension Longitudinal is designed to allow Doctor of Pharmacy students to meet the following course goals:

- To acquire the necessary physical assessment skills to effectively evaluate blood pressure and counsel patients receiving prescription and non-prescription drug products.
- To integrate the necessary pharmacy skills with clinical skills to deliver pharmaceutical care to patients regarding hypertension and other cardiac risk factors.
- To identify, intervene, and resolve potential or actual drug and/or nonpharmacologic therapeutic problems encountered in patients at the hypertension clinic.
- To communicate with health professionals, patients, and caregivers regarding rational drug therapy, wellness, and health promotion.

## **Course Objectives:**

The Hypertension Longitudinal will enable the Doctor of Pharmacy student the ability to:

1. Gather and review subjective patient specific data, in addition to patient profiles if available, such as patient demographic information, chief complaint, history of present illness, past medical history, family history, social history, occupational history, and review of systems by patient/caregiver interview focusing on aspects of cardiovascular disease.
2. Gather and review current and past medication history, including prescription, nonprescription, and herbal or complimentary medications along with drug allergies or intolerances by profile review and patient/caregiver interview.
3. Generate physical assessment data by performing assessment techniques, such as blood pressure and pulse measurement.
4. Gather and review laboratory or other diagnostic tests, where appropriate and allowable, that will effect therapeutic decision making.
5. Assess, design, implement, monitor, evaluate, and recommend modifications in drug and non-drug therapy to insure effective, safe, and economical patient care.
6. Triage patients to other health professionals as appropriate.
7. Monitor and counsel patients regarding the indications, uses, and potential side effects of their medications and related therapy.
8. Recommend, counsel, and monitor patient use of nonprescription and herbal medications, vitamins, and minerals regarding the treatment of hypertension.
9. Provide drug and disease state education on an appropriate level to patients such healthy lifestyles, hypertension risks, and medications.
10. Document pharmaceutical care outcomes using patient binder.

## **Policies**

### **Introduction**

We will meet about 2-3 times a week either as a large group or small group with individual faculty preceptors during your block rotation. Be prepared to discuss your site experiences and bring documented activities to these sessions. You will be graded upon your preparation and participation in-group discussions.

### **Additional information**

You are scheduled to be at your assigned hypertension clinic weekly throughout the semester. During your longitudinal block you will be asked to participate in other activities at the discretion of the preceptor. Time away from the site you are expected to be working on assignments.

A calendar outlining your activities for the rotation has been prepared and it is subject to change over the rotation.

You are expected to interact with patients and other healthcare professionals in a professional manner

Report all activities, cases, and potential interventions and drug information responses to your preceptors. It is your responsibility to keep him or her informed. Also, several assignments require the verification of your preceptor or another pharmacist at the site.

You must be prompt to all activities. Tardiness will not be tolerated.

Projects and assignments are to be done on your own time. With your preceptor's approval, you may work on them during clerkship hours. However, during this time, your first priority is to be available to your site, not to work on projects.

## **Required Assignments**

### **Consultations**

You will be expected to interview patients, obtain their pulse and blood pressure, and provide appropriate counseling regarding their readings. Often times patients seek out other health care information, so don't be surprised if they ask you questions outside of blood pressure, do your best to research the question and provide an answer. Many of the patients like you to keep their information in a patient binder, SOAP your encounter with them for that day. Add patients as you see fit. Also, all encounters are documented anonymously on a data sheet form to keep track on the numbers of patients we see.

### **Written projects**

Throughout the rotation, you will be required to create or update patient information sheets regarding cardiovascular disease and hypertension. You may choose your own topics or simply research and update sheets currently being used. Please research your paper thoroughly, as primary

resources can be very difficult to find when dealing with herbal remedies and community pharmacy issues. Even though you are writing this for lay-people, information should be current and relevant. Please document your references according to the format listed in the clerkship manual and include copies of your articles/citations when turning in your paper. We will return references to you after grading at your request. You must complete a minimum of three sheets for the semester.

You will be required to write one paper that will constitute 10% percentage of your final grade. Each paper will be a 5-10 page paper on a topic related to a hypertension or cardiovascular disease in the community. You may also choose to write one paper on a new drug. You may choose your own topic, after the approval of your faculty preceptor. Please research your paper thoroughly, as primary resources can be very difficult to find when dealing with herbal remedies and community pharmacy issues. Papers should be typed with 12-point font and double-spaced. Please document your references according to the format listed in the clerkship manual and include copies of your articles/citations when turning in your paper. We will return references to you after grading at your request. Any incidence of plagiarism will result in a 0 for the assignment.

#### Trial Summary Analysis

Since you are focusing on HTN and related cardiovascular disease, it is important that you are very familiar with the key trials. You will be expected to write small summaries on major HTN trials for this rotation on 10 major trials, 5 of which will be performed for you. Knowing this information will be beneficial in the clinic as well when teaching HTN to other students.

#### Formal Case Presentation

Each student will be assigned a topic to present on for a final case presentation. You will be required to develop a power point presentation that approximately 20 minutes. Topics should be related to cardiovascular disease. An example will be provided for you.

#### Disease State Discussion

You will be expected to prepare for discussions of a disease state seen frequently at the hypertension clinic. Handouts have been provided for you and many discussions will be followed by corresponding quizzes.

As a group you will be expected to lead a discussion on HTN for other community students. You may break it up into sections and provide handouts if you like.

#### Journal Club

You will be asked to lead a journal club for in-depth analysis. A student will be assigned to lead the other students in journal club at least once during the rotation.