

Subject: **Internship in clinical pharmacy for foreigner students**
Module: **Internship in clinical pharmacy for foreigner students**
Responsible for training: Department of clinical pharmacy
Participants: Foreign students (2nd - 5th years)
Units: 02
Time: 3 credits (Practice: 135 hours)

1. Objective of subject:

After the internship, students will be able to:

- Describe the functions, duties and activity patterns of the Pharmacy Department / the Clinical Pharmacy unit in hospitals in Vietnam
- Describe the drug use in the clinical practices in Vietnamese hospitals: the processes related to prescribing activities and monitoring of drug use, the processes related to drug information
- Describe activities of Drug information and pharmacovigilance center in Vietnam
- Compare the pharmacy system in Vietnam and in the countries of students.

2. Prerequisite subject: No

3. Description of module:

During this internship, foreign students will have chance to understand the pharmacy activities in hospitals, in Drug information and pharmacovigilance center in Vietnam. Students will observe and participate in different activities, not only in pharmacy service but also in the clinical departments to learn the treatment, prescription and how to valid the prescription. Besides, the program include also the seminars in Department of clinical pharmacy where students practice the skill of finding drug information and solving therapeutic problems.

4. Content of module:

No	Content	Duration
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<p>1</p>	<p>Internship in hospitals</p> <p><i>- 1st and 2nd week: In pharmacy service</i></p> <p>+ <i>Observe and learn about the management model and operation of Pharmacy Department</i></p> <ul style="list-style-type: none"> ✓ Understand and make comments on the organization, staffing, functions, duties and activities of the Pharmacy Department in the hospital. ✓ Discover the duties of the different types of staffs in the Pharmacy Department. ✓ Observe the organizing and activities of the Drug and Therapeutic Committee. ✓ Learn about regulations implemented at the hospital (e.g. regulations on managing of psychotropic and narcotic drugs, and regulations on quality guarantee...) ✓ Understand the drug supplies, drug procurement for treatment. ✓ Learn about drug statistics and data management <p>+ <i>Observe and learn about the Drug Store</i></p> <ul style="list-style-type: none"> ✓ Discover the major drug groups in the Drug Store and the storage methods ✓ Observe activities in the Drug Store: storage, drug storage, drug quality control ✓ Understand the role of the pharmacists in the Drug Store ✓ Point out the advantages and disadvantages (if any) of the processes, activities and propose measures to limit the downsides. <p>+ <i>Observe and learn about the section of drug dispensing for inpatients, outpatients</i></p> <ul style="list-style-type: none"> ✓ Describe activities to ensure the supply of adequate and high quality drugs ✓ Learn about the counseling activities for patients after dispensing drugs. 	<p>2- 6 weeks/ hospital</p>
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	<ul style="list-style-type: none"> ✓ Point out the advantages and disadvantages (if any) of the processes , activities and propose measures to limit the downsides + <i>Observe and learn in drug preparation unit and quality control</i> <ul style="list-style-type: none"> ✓ Describe processes and quality control methods to produce some drugs in the hospital + <i>Observe and learn in the hospital pharmacies</i> <ul style="list-style-type: none"> ✓ List the major classes of drugs in hospital pharmacies ✓ Understand the methods of patient management and keeping patients' records. ✓ Discover the role of the pharmacists in hospital pharmacies + <i>Observe and learn in the clinical pharmacy unit.</i> <ul style="list-style-type: none"> ✓ Discover activities in the clinical pharmacy unit (see more in the 4 next weeks below) - <i>From the 3rd week: In clinical departments</i> + <i>Observe and learn about the pattern of diseases and treatment</i> <ul style="list-style-type: none"> ✓ Recognize common diseases in the department, the methods for classifying patients and treatment assignment. ✓ Observe and participate in doctor's examination activities for patients. ✓ Participate in scientific seminars in the department. ✓ Describe the group consultation process for difficult cases or complicated patients ✓ Observe and learn the archive of medical records and patient information + <i>Observe and learn about activities of monitoring adverse drug reactions (ADR)</i> <ul style="list-style-type: none"> ✓ Describe procedures of ADR reporting currently 	
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	<p>performed in the department: participators, processes of identifying, treating and reporting of ADR</p> <ul style="list-style-type: none"> ✓ Point out the advantages and disadvantages (if any) of the processes, activities and propose measures to limit the downsides ✓ Describe the role of pharmacists in the process <p>+ <i>Observe and learn about activities of drugs information in clinical practices</i></p> <ul style="list-style-type: none"> ✓ Describe the methods of updating drugs information: drugs information resources, searching methods,... ✓ The process of acquisition of drug information questions, searching, answering and archiving questions of pharmacists working as clinical pharmacists. <p>+ <i>Observe and learn about activities to ensure the quantity and quality of drugs in the clinical practices</i></p> <ul style="list-style-type: none"> ✓ Describe the planning, ensuring and monitoring of drug quality in clinical practices ✓ Learn about the role of pharmacists in the process <p>+ <i>Observe and learn about activities of drug administration by nurses</i></p> <ul style="list-style-type: none"> ✓ Describe the process of preparing and administrating drugs for patients ✓ Observe and learn about consulting activities for patients: time of using, special precautions, monitoring ADR... ✓ Understand the role of pharmacists in the process <p>+ <i>Describe and participate in analyzing medical records routinely</i></p> <ul style="list-style-type: none"> ✓ Describe and participate in the process of the medical records selection ✓ Describe the priority issues for analysis ✓ Collect information and participate in analyzing some typical medical records. 	
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	✓ Describe and understand the role of pharmacists in the process	
2	Internship in Drug information and pharmacovigilance center - Observe and learn about pharmacovigilance activities in Vietnam - Observe and participate in classification, analyse and stockage of adverse drug reation report - Learn about pharmacovigilance database	1-2 weeks
3	Internship in Department of clinical pharmacy - Learn about the procedure of response to a question of drug information - Practice of using specific references, online drug database - Seminars: Compare the activities of clinical pharmacists and pharmacist in Drug information and pharmacovigilance centre in Vietnam and in country of students.	1-3 weeks

5. Mandatory conditions: Students are required to bring laptop during the internship

6. Evaluation: Each organisation evaluate the students and send the result to Hanoi University of Pharmacy.

7. Criteria for evaluation:

- Level of diligence
- Level of participation in activities
- Skills of finding information
- Level of completion of required work

Each criterion is evaluated according to the following levels: average, good, very good and excellent.