

Department of Pharmacy Practice Quality manual

Introduction

The Department of Pharmacy Practice in the College of Pharmacy at the University of Tabuk is the main department on which the Pharm.D. Program is based. The department creates the appropriate climate for the practice of clinical training during the student's academic career as well as in the internship year. In order for the graduate to be an effective member in the health care provided to patients, as he is one of the most important members of the medical team who has ample scientific yield and practical experience with regard to medicines and their correct uses. As well as in developing the appropriate treatment plan for each patient.

This is achieved through the application of a structured and distinctive academic program in education with a special focus on clinical training in the following areas: drug information, institutional training in pharmacy practice, internal medicine, intensive care, emergency medicine, cardiology, scientific research and its results, infectious diseases, Pharmacokinetics, effectiveness of medication, first aid in emergency situations, training in community pharmacies.

Vision

The Department of Pharmacy Practice looks forward to achieving excellence in pharmacy education and scientific research in the field of patient care and community service in accordance with international standards.

Mission

Contribute to the preparation of a distinguished graduate by teaching updated courses and distinguished training for students of the Pharm D program, as well as conducting applied scientific research that serves the community.

Objectives

The Department of Clinical Pharmacy at the Faculty of Pharmacy at the University of Tabuk seeks to provide its graduate with the necessary knowledge and skills in order to:

1. Providing the community with human cadres of pharmacists who have a degree of Doctor of Pharmacy (Pharm. D) at a high level of competence, who are able to practice the profession of pharmacy in its various aspects in

governmental and private hospitals, public pharmacies and various pharmaceutical companies.

2. Preparing and qualifying graduates who have full awareness of the basic rules for starting, continuing, changing or stopping treatment with a comprehensive understanding of the pharmacokinetic foundations sufficient to improve the treatment plan for each disease.
3. Upgrading the level of graduates to interact efficiently with the medical and patient team in various work conditions.
4. Developing the graduate's sense of creativity in searching for and interpreting information related to medicine, using the pharmaceutical and medical sciences and their applications on various disease cases.
5. Participating in community service in cooperation with the relevant authorities in the fields of drug control to reduce the misuse of medicines, detection and treatment of toxins, and the exchange of scientific information.
6. Conducting scientific research and studies concerned with the development and discovery of pharmaceutical preparations and compounds, with a focus on the exploitation of local natural resources.
7. Contributing to the field of scientific publishing and awareness of the damages and complications resulting from the random uses of medicines and medical drugs through different versions.

Course Distribution of Pharmacy Practice Department (PDPP)

Course title / code	Code	Year	Credits
Orientation to Pharmacy	PDPP0211	2/1	2 (2+0)
Introductory Pharmacy Practice Experience 1	PDPP0321	3/2	3 (1+2)
Introductory Pharmacy Practice Experience 2	PDPP0422	4/1	3 (1+2)
Pharmacy Practice Experience	PDPP0423	4/2	2 (1+1)
Therapeutics-1	PDPP0431	4/1	5 (3+2)
Therapeutics-2	PDPP0432	4/2	5 (3+2)
Pharmacy Law and Ethics	PDPP0441	4/2	2 (2+0)
Clinical Pharmacokinetics	PDPP0451	4/2	2 (1+1)
Advanced Pharmacy Practice Experience	PDPP0524	5/1	2(1+1)
Advanced Therapeutics1	PDPP0533	5/1	5 (3+2)
Advanced Therapeutics 2	PDPP0534	5/2	5 (3+2)
Pharmacoepidemiology & Pharmacoeconomics	PDPP0561	5/1	2 (2+0)
Applied Drug Information	PDPP0562	5/2	2 (1+1)
Hospital Pharmacy	PDPP0563	5/2	2 (2+0)
Pharmacy Administration and Marketing	PDPP0564	5/2	2 (2+0)
Nutrition	PDPP0571	5/1	1 (1+0)
Applied Nutrition	PDPP0572	5/2	3 (2+1)
Elective courses			
Community pharmacy management	PDPP0 403	4 th	2 (2+0)
Applied Pharmacokinetics	PDPP 0501	5 th	2 (2+0)
Ambulatory Pharmaceutical Care Clinic	PDPP0502	5 th	2 (2+0)
Advanced Clinical Skills	PDPP0503	5 th	2 (2+0)
Total			48

The operational plan of the Pharmacy Practice Department

The faculty members of the department, in cooperation with the rest of the college and university departments and the concerned parties, implement the plan of the Department of Pharmacy Practice as follows

No	Activities	Objectives	Action	Person in charge	Duration
1	Teaching essential courses related to drug therapy and management of the treatment plan for patients	Providing students with the basic concepts of initiating and continuing, changing or stopping treatment and therapeutic applications that help in reviewing and following up the treatment plan for patients and interpreting results and laboratory measurements	Teaching Therapeutics Courses and Advanced Therapeutics courses	Faculty members	Fourth and Fifth Year students (1 st and 2 nd semesters)
		Fundamentals of drug pharmacokinetics and pharmacoeconomics	Teaching courses such as Clinical pharmacokinetics and pharmacoeconomics courses	Faculty members	
2	Teaching courses and activities related to practicing the pharmacy profession, providing pharmaceutical care to the patient and communication with the medical team	Providing students with the necessary skills for clinical practice, such as identifying medication errors, drug interactions, adverse drug effects, and responding to drug inquiries	Teaching courses such as Introductory Pharmacy Practice, Advanced Pharmacy Practice and Applied Drug information	Faculty members	Third to Fifth year students (1st and 2nd semesters)
		Familiarize students with the laws regulating the practice of the pharmacy profession, the pharmacist's code of ethics, and pharmaceutical marketing skills	Teaching courses of Pharmacy Law and Ethics, Pharmacy Administration and Marketing	Faculty members	Fourth and fifth Year (2nd semester)
			Pharmacy Field Training Pharmacy Field Training (1, 2, and 3) and Internship rotations	Faculty members	Fourth to Sixth year students

			Research projects	Faculty members	Fifth year students
3	Develop communication skills, time-management and community services	Cooperating with other departments in the college, university and training sites to achieve the Pharm D's mission	Pharmacy Field Training (1, 2, and 3) and Internship rotations	Faculty members	Third to sixth year students

Research plan for the Department of Pharmacy Practice

Members of the Department of Pharmacy Practice conduct a number of scientific research as an essential part of their activities and the focus is on research that addresses major health problems and develop strategies to mitigate these problems. Clinical pharmacy research activities focus on improving patient outcomes through improvements in drug selection and use. The Department of Pharmaceutical Practice has a research plan based on several axes:

First: Providing pharmaceutical care, following up on the treatment plan, and offering drug alternatives

Secondly. Medication management and patient adherence to and belief in medication and its impact on improving health outcomes

Third. Studying the effect of clinical pharmacists in hospitals on reducing problems related to drug prescribing and abuse and its impact on patient safety.

Research plan for the Department of Pharmacy Practice

#	Topics	Time frame	Funding	Person in charge	Outcomes
1	Provide pharmaceutical care and follow pharmacotherapy plan in Military Hospital and public hospitals	2017/2018 To 2022/2023	Research project from the university Or department	Faculty members with cooperation with Ministry of health hospitals	Research publications, conferences and awards
2	'Pharmacovigilance' detection, assessment and prevention of drug- related problems in clinics	2017/2018 To 2023/2022	Research project from the university Or department	Faculty members with cooperation with Ministry of Health hospitals	Research publications, conferences and awards
3	Investigation of drug utilization and medication adherence in patients with chronic diseases	2017/2018 To 2022/2023	Research project from the university Or department	Faculty members with cooperation with Ministry of health hospitals	Research publications, conferences and awards
4	Study the effect of clinical pharmacists' interventions on health-related quality of life of patients	2017/2018 To 2022/2023	Research project from the university Or department	Faculty members with cooperation with Ministry of health hospitals	Research publications, conferences and awards

Organizational Structure of the Department of Pharmacy Practice

Head of the Department	Dr. Yasser Mohammed Freij Al-Atawi Assistant professor of Pharmacy Practice
Staff members	Dr. Mostafa Abdelrahman Sayed Assistant professor of Pharmacy Practice
	Dr. Ahmed Mohsen Elsaid Hamdan Assistant professor
	Dr. Palanisamy A. Siddha chettiar Assistant professor
	Dr. Vinoth Prabhu Veeramani Assistant professor
	Dr. Hanan M. Abdurahman Alsharif Assistant professor
	Dr. Hoda Abdualziz Mohammad Salem Associate professor
	Dr. Kousalya Prabaha Kaliyamoorthy Gopal Assistant professor
	Mr. Ali Abdulmalek Alzibiani Demonstrator
	Mr. Abdullah Fawaz Alsharif Demonstrator
	Mr. Raed Ibrahim Abdulrahman Algozi Demonstrator
	Mr. Faisal Fahd Alnefaie Demonstrator
	Ms. Wafa Ahmed. Marai Alatawi Demonstrator
	Ms. Walaa Saad Mohammed Abu rukbah Demonstrator
	Ms. khaznah Hassan Alkaseb Demonstrator