

The University of Jordan
Faculty of Medicine
Department of Pharmacology
Therapeutics Course (0503590)
5th year medical Students
2017/2018
Second Semester

Course Co-ordinator: Yacoub M. Irshaid

Department of Pharmacology y.irshaid@ju.edu.jo

Course Description:

Therapeutics is that branch of medicine that deals with the use of drugs for treatment and cure of diseases.

This course will utilize the pathophysiology of diseases and evidence-based medicine for the rational selection of drugs for treatment. The students should also learn the importance of monitoring drug's therapeutic effects and adverse reactions.

Course Goals:

1. Enable the medical student to develop the skills of appropriate selection of drugs to treat disease according to the individual need of the patient, utilizing the pathophysiology of disease and evidence-based medicine.
2. Enable the medical student to select the most effective, least toxic and cost effective drug to treat diseases as feasible as possible.

Course times:

Monday	2:00 – 3:30 pm
Wednesday	1:30 – 3:00 pm

Place:

Hospital Auditorium

Course Content:

General Clinical Topics				
Week	No.	Date	Topic	Instructor
1	1	29/1/2018	Adverse Drug Reactions	Yacoub Irshaid
	2	31/1/2018	Drug Interactions (1)	Yacoub Irshaid
2	3	5/2/2018	Drug Interactions (2)	Yacoub Irshaid
	4	7/2/2018	Therapeutic Drug Monitoring	Yacoub Irshaid
3	5	12/2/2018	Drug Use in the Elderly	Yacoub Irshaid
	6	14/2/2018	Drug use in Neonates, Infants & Children	Yacoub Irshaid
4	7	19/2/2018	Drug Use in Pregnancy & Lactation	Yacoub Irshaid
Systemic Therapeutics Topics				
4	8	21/2/2018	Therapeutic Considerations in Pregnancy and Lactation	Yacoub Irshaid
5	9	26/2/2018	Therapy of Rheumatoid- & Osteo- arthritis	Marwan Odwan
	10	28/2/2018	Therapy of Gout & Hyperuricemia	Yacoub Irshaid
6	11	5/3/2018	Therapy of pain	Omar Shameyeh
	12	7/3/2018	Therapy of Epilepsy (1)	Yacoub Irshaid
7	13	12/3/2018	Therapy of Bronchial Asthma	Firas Hawwary
	14	14/3/2018	Therapy of Epilepsy (2)	Yacoub Irshaid
8	15	19/3/2018	Therapy of Diabetes Mellitus	Yacoub Irshaid
	16	21/3/2018	Therapy of Anemias	Yacoub Irshaid
9	17	26/3/2018	Therapy of Osteoporosis	Yacoub Irshaid
	18	28/3/2018	Antimicrobial Prophylaxis and Selection	Yacoub Irshaid
10	19	2/4/2018	Therapy of Pneumonias	Yacoub Irshaid
	20	4/4/2018	Therapy of Meningitis	Yacoub Irshaid
11	21	9/4/2018	Therapy of Infections in Neutropenic Patients	Yacoub Irshaid
	22	11/4/2018	Therapy of hypertension	Yacoub Irshaid
12	23	16/4/2018	Therapy Ischemic Heart Disease	Yacoub Irshaid
	24	18/4/2018	Therapy of Heart Failure	Yacoub Irshaid
13	25	23/4/2018	Therapy of Dyslipidemias	Yacoub Irshaid
	26	25/4/2018	Therapy of Venous Thromboembolism	Yacoub Irshaid
14	27	30/4/2018	Use of Drugs in Chronic Renal Failure	Yacoub Irshaid
	28	2/5/2018	Use of Drugs in Liver Disease	Yacoub Irshaid

Evaluation:

1. Midterm Examination	40%
2. Short Examination	10%
3. Final Examination	50%

References:

1. Pharmacotherapy, a pathophysiologic approach. DiPiro, Talbert, Yee, Matzke, Wells and Posey. Tenth edition, 2017. McGraw Hill.
2. Pharmacotherapy Handbook. Wells, DiPiro JT, Schwinghammer, DiPiro CV. Ninth edition 2015. McGraw Hill.
3. Koda-Kimble & Young's Applied Therapeutics: The Clinical Use of Drugs. Alldredge, BK, Corelli RL, Ernst ME, Guglielmo BJ, Jacobson PA, Kradjan WA, Williams BR. 10th edition. Lippincott Williams & Wilkins, 2013.
4. Handbook of Applied Therapeutics. Alldredge, BK, Corelli RL, Ernst ME, Guglielmo BJ, Jacobson PA, Kradjan WA, Williams BR. Ninth edition, 2016. Walters Kluwer.
5. Clinical Pharmacy and Therapeutics. Roger Walker and Cate Whittlesea. 5th edition, 2012. Churchill Livingstone Elsevier.