

DEPARTMENT OF PHARMACOLOGY

Page 1: OVERVIEW/PHARMACOLOGY

Pharmacology is the scientific study of drugs used for the treatment of diseases in human beings. Pharmacology is one of the foundation course of all medical sciences. Our Evidence based clinical Medicine is based on Pharmacology. It connects science, medicine, and health, and creates a framework for understanding how the drugs acts on human body. This understanding enables students to think rationally as to which drug need to be given to the right patient, in right dose, for appropriate duration. contributing to the development of the core skills of a competent doctor.

Pharmacology department is a recently developed department in Government Medical College, Nandurbar which at present is conducting lectures as per the recent CBME curriculum The department is at present getting equipped to fulfill students need and make them well trained medical professionals.

Curriculum:

As per the MUHS Nashik, Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. (Vol. 1; page nos. 136-159)

Goal:

- 1) The broad goal of teaching pharmacology to undergraduate students is to inculcate in them a rational and scientific basis of therapeutics.

Educational Objectives:

(a) Knowledge

At the end of the course, the student shall be able to -

- i. describe the pharmacokinetics and pharmacodynamics of essential and commonly used drugs
- ii. list the indications, contraindications, interactions and adverse reactions of commonly used drugs

- iii. indicate the use of appropriate drug in a particular disease with consideration of its cost, efficacy and safety for - individual needs, and mass therapy under national health programmes
- iv describe the pharmacokinetic basis, clinical presentation, diagnosis and management of common poisonings
- v .Integrate the list the drugs of addiction and recommend the management
- vi. Classify environmental and occupational pollutants and state the management issues
- vii. Explain pharmacological basis of prescribing drugs in special medical situations such as pregnancy, lactation, infancy and old age
- vii explain the concept of rational drug therapy in clinical pharmacology
- viii state the principles underlying the concept of `Essential Drugs`
- ix evaluate the ethics and modalities involved in the development and introduction of new drugs

(b) Skills

At the end of the course, the student shall be able to -

- i. prescribe drugs for common ailments
- ii. identify adverse reactions and interactions of commonly used drugs
- iii. interpret the data of experiments designed for the study of effects of drugs and bioassays which are observed during the study
- iv. scan information on common pharmaceutical preparations and critically evaluate drug formulations

- v. be well-conversant with the principles of pharmacy and dispense the medications giving proper instructions

(c) Integration

Practical knowledge of rational use of drugs in clinical practice will be acquired through integrated teaching vertically with pre-clinical & clinical subjects and horizontally with other para-clinical subjects.

Page 2: FACULTY-

Head of the Department: Dr. Pravin Lohar

Sr. No.	Name	Post	Qualification	E mail ID
1	Dr. Pravin lohar	Professor & HOD	MBBS, MD	drpslohar@rediffmail.com
2	Dr. Razvi Syed Ubaid	Associate professor	MBBS, MD	razvisyedubaid@yahoo.co.in
3	Dr. Imran Teli	Associate professor	MBBS, MD	drimranteli@yahoo.co.in
4	Dr Mayur Pawar	Assistant professor	MBBS, MD	mayur86pawar@gmail.com
5	Dr Ananya Chakravorty	Tutor	MBBS, MD	jhilikmail@gmail.com
6	Dr Bharat D Choudhary	Tutor	MBBS,DCH	dr.bharat20dec@gmail.com
7	Dr Aboli Bhandari	Tutor	MBBS,DDV	abolib10@gmail.com
8	Dr Purval Vaidhya	Tutor	MBBS	purval16@gmail.com

List of non-teaching staff:

Sr. No.	Post	Name

1	Laboratory technician/assistant	Shri Valmik Chavan
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Page 3: Duties and Responsibilities -

Professor in physiology:

- 1) To teach UG & PG students in subject.
- 2) To take tutorial classes.
- 3) To arrange teaching program of department in consultation with Dean.
- 4) To guide & conduct research in the subject.
- 5) To be in charge as HOD.
- 6) To do any other work that may be assigned to him by Dean.

Associate Professor in pharmacology:

- 1) To look after the work of pharmacology
- 2) To be responsible for lecture, demonstration & practical classes in the subject & any other departmental work assigned by professor & Dean.
- 3) To take part in research work & also to help professor in supervision of department work, store & verification.
- 4) To perform any other duties so may be allotted by the professor & Dean in the interest of departmental work.

Assistant professor in pharmacology

- 1) To assist the professor in teaching the subject.
- 2) To conduct tutorials and demonstrations.
- 3) To arrange and supervise the practical in the department.
- 4) To prepare specimens for museum tutorials, practicals etc. when required.
- 5) To assist professor in research.
- 6) To be responsible for the stores and laboratories under his charge.

7) To do after duties assigned by the professor or dean of the college.

Page 4: FACILITIES –

The department of pharmacology is at present getting equipped with the of following laboratories-

- 1) Experimental pharmacology cum computer assisted laboratory
- 2) Clinical pharmacology and clinical pharmacy laboratory
- 3) Research laboratory

All the laboratories are provided with adequate infrastructure and equipments to accommodate 25 students.

Equipments:

The department will be having all the necessary equipments as per the NMC norms.

Page 5 : DEPARTMENTAL RESEARCH & PUBLICATIONS –

1) DRUG UTILIZATION STUDY IN INDOOR ADULT ORGANOPHOSPHORUS POISONING PATIENTS AT A TERTIARY CARE HOSPITAL IN CENTRAL INDIA, Bhagwate ST, Chavhan GK, Warbhe RA, Chakravorty A, Dindokar AV PARIPEX-INDIAN JOURNAL OF RESEARCH : Volume-8 | Issue-10 | October-2019

2) Yuwnate AH, Chakravorty A. A study on the evaluation of drug package inserts: a prospective observational study,9(3), 441-445. doi: <http://dx.doi.org/10.18203/2319-2003.ijbcp20200718>

3) Yuwnate AH, Chakravorty A, Phate DS, Drug Utilisation Pattern of Psychotropic Drugs Prescribed in the Outdoor Patient of Psychiatric Department in a Tertiary Care Hospital - A Retrospective Observational Study, jppr.Human, 2020; Vol. 19 (2): 193-200.

4) Yuwnate AH, Chakravorty A, Phate DS Analysis of the package inserts-A Prospective Observational Study
International Journal of Medical Science and Current Research (IJMSCR), Volume 3, Issue 3, Page No: 35-39 May-June 2020.

5) Indian journal of physiology and pharmacology :-Razvi Syed Ubaid, Mudgal kotheekar, Jaju JB, Md Mateenuddin, Effect of ocimum sanctum (OS) leaf extract on hepatotoxicity induced by anti tubercular drugs in rats, indian journal physiol and pharmacol 2003;47(4) 465-470, year 2003.

6) mudgal kotheekar, Razvi Syed Ubaid, Jaju JB, Md Mateenuddin, Effect of antioxidant alpha -tocopherol acetate and sodium selenite on hepatotoxicity induced by anti tubercular drugs in rats, indian journal physiol and pharmacol 2004;48(1) 199-222, year 2004.

7) Drugs induce changes in electrocardiogram, Razvi Syed Ubaid, Baig MS, Chandaliya KC, Gade PR, The antiseptic June 2009, Vol 106.No.6, P:280-285-Year-2009.

8) Drugs and nephrotoxicity:-Razvi Syed Ubaid, Baig MS, Chandaliya KC, Gade PR, The antiseptic June 2010, Vol 107.No.8, P:383-389-Year-2010.

9) Knowledge attitude and practice of pharmacovigilance among prescribers of GMC Aurangabad (kulkarni MD, Baig MS, Chandaliya KC, Sudhakar M, Diofode, Razvi Syed Ubaid, (International journal of pharmacology and therapeutics July 2013, Vol:3.No.3, p:10-18, year -2013.

10) Drug utilisation study of antihypertensive drugs used in treatment of 2nd and 3rd trimester of pregnancy in tertiary care hospital (Dr Shrikant B Lahamate, Razvi Syed Ubaid, Baig MS, Sudhakar M Diofode) International journal of basic and clinical pharmacology-sept 2018 vol 7, issue 9, :1733-1737-year 2018.

11) Drug utility pattern of ulcer agents used in osteoarthritis patients at tertiary care hospital (Razvi Syed Ubaid, Dr Shrikant B Lahamate,) International journal of basic and clinical pharmacology-sept 2019 vol 8, issue 9, :2029-2032-year 2019.

12) Patil PT, Pawar MP, Halasawadekar NR, Shinde MP, Kumbhar AV, Rathod MS. Current pattern of adverse drug reactions to anti-retroviral therapy in an antiretroviral therapy centre attached to a government medical college of Maharashtra, India: A retrospective study. Int J Basic Clin Pharmacol. 2016 Nov;5:2438-43.

13) Rathod MS, Pawar MP, Lone D, Dixit JV, Doibale MK. Immunization Status and Reasons for Partial Immunization in Children Attending Tertiary Care Hospital in Marathwada Region-A cross sectional study. sciences. 2019;23(3):51-7.

14) Pawar MP, Pore SM, Pradhan SN, Burute SR, Bhoi UY, Ramanand SJ. Nevirapine: Most common cause of cutaneous adverse drug reactions in an outpatient department of a tertiary care hospital. Journal of Clinical and Diagnostic Research: JCDR. 2015 Nov;9(11):FC17.