

MSc Medical Pharmacology

Vision:-

- At the end of the course the students should be versed with the basic principles of Pharmacology and is up to date with the recent advances.
- Who shall have acquired the basic skills in teaching of the medical and paramedical professionals.

Mission:-

- *At the end of the training the student shall be able to:*
 - Demonstrate sufficient understanding of the concerned speciality.
 - Develop skills in using proper educational methods and techniques.

Programme outcome:-

- During training of M.Sc. students, emphasis is placed on obtaining a knowledge of pharmacology and its principles, as well as being experienced in selected experimental techniques commonly used in pharmacology.
- At the end of the course the students should be versed with the basic principles of Pharmacology and is up to date with the recent advances.
- To think critically about scientific issues and to develop a knowledge-base in pharmacology. Graduates must be able to formulate hypotheses in a specific area of pharmacological research and test them through active research.

Programme specific outcome:-

- *At the end of the course the student should be able to Possess a sound knowledge of the subject in the following areas:*
 - Basic principles of pharmacology
 - Clinical pharmacology (including clinical pharmacokinetics, individualization of drug therapy, drug use in special categories, adverse drug reactions and drug-drug interactions)
 - Systemic pharmacology
 - Research methodology (animal as well as clinical)
 - Biostatistics
 - Commonly used laboratory techniques, analytical methods and instrumentation
 - Teaching technology
 - Methods of Communication and medical writing
 - Develop the ability for continued self learning so as to update the knowledge of recent advances in the field of Pharmacology and allied fields
 - Be competent to teach and train undergraduate medical students
 - Plan and carry out both laboratory and clinical research with adherence to scientific methodology
 - Use teaching-learning media effectively (E.g. Computer, LCD etc
 - Be able to formulate and conduct problem based teaching/ learning exercises
 - Be capable of various managerial skills eg. Organization of workshops/training programmes etc.