



BLDE (Deemed to be University)

Declared as (Deemed to be University) u/s 3 of UGC Act, 1956

The Constituent College

SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

PHARMACOLOGY POST GRADUATE

1. Demonstrate sound knowledge of general pharmacology principles like pharmacokinetics and pharmacodynamics of drugs, drug interactions and adverse effects.
 2. Study the effects of drugs on various systems in the body and rational drug therapy.
 3. Plan & conduct lecture, practical demonstration, and tutorial classes for students of medical & allied disciplines.
 4. Carry out screening of drugs for their pharmacological and toxicological profile.
 5. Carry out drug related literature search, formulate research projects and undertake the same.
 6. Present research findings in conferences (Oral/Poster sessions), critically review & comment on research papers. Communicate research/ educational papers in peer reviewed journals.
 7. Measure drug levels in blood and other biological fluids using suitable qualitative & quantitative methods and interpret the same in therapeutic/toxicological contest.
 8. Monitor adverse drug reactions. Carry out therapeutic audit & provide drug information service to doctors/public.
 9. Use computer and IT tools for teaching, research& presentation/publication of data.
 10. Preparation of protocols to conduct preclinical and clinical research independently.
 11. Demonstrate knowledge of National Health Policy, National list of essential medicine (NLEM), p- drug –concept and supervise drug management in a hospital.
 12. To function as an active member of Drugs and Therapeutics Committee (DTC).
13. Drug Utilization Review (DUR)
14. Assess emergency situations while carrying out drug trials and institute exigency management till appropriate assistance from clinical side is available.
 15. Plan and carry out both laboratory and clinical research with adherence to ethical principles and ICH – GCP/ GLP guidelines.
 16. Be aware of legal and ethical aspects of drug evaluation.
 17. Be aware of regulatory procedures needed to be carried out prior to the marketing of a new drug in India.
 18. Understand and apply ethical principles involved in animal and human research.
 19. Handle animals to conduct experiments e.g. screening of various drugs
 20. Perform qualitative and quantitative identification and estimation of drugs in different samples of body fluids.
 21. Develop skills as a self-directed learner, recognize continuing educational needs, use appropriate learning resources and be able to critically analyze relevant published literature.
 22. Function as a productive member of a team engaged in research, Medical education &

industry

REGISTRAR

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