



DEPARTMENT OF PHARMACOLOGY GOVT. MEDICAL COLLEGE KATHUA

❖ INTRODUCTION

- The document addresses the request made on October 28th, 2024 from Principal Government Medical College Kathua regarding Pharmacology department plan for the future as a vision document.
- The department had already initiated a discussion to determine new strategic planning process and has already taken and complemented measures for achieving student and faculty success, Some of the implement initiatives although modes but a start in the right direction have been.

❖ UNDERGRADUATE TEACHING

- Teaching as per new competency based curriculum has been started. Medical students are often overwhelmed by the large number of drugs. Presently 5th Batch of undergraduate is going on.
- Model based teaching of the injection of medicine by the intradermal, subcutaneous, intramuscular and intravenous routes using aseptic techniques and setting up of an intravenous drip and adjust the drip rate according to required dosage has been started. Proper method of use of metered dose inhalers (MDI), spacers and preparing and administering nebulized drugs.
- After the conventional undergraduate practical's preparation mixture, lotion and animal experiment is often criticised and introduction of useful procedure in its place has been emphasized so the key guidance is that student must be adequately prepared to prescribe drugs when they graduate.
- The department ensured that all graduates must be demonstrably safe prescribers.
- Newer methods like problem based learning (PBL), E-learning and computer assisted learning (CAL) is implemented during the lab, works. The main advantages of such methods are that student; through self-questing and critical thinking learn how to learn.
- PBL in the form of therapeutic problem and E-learning and CAL is the form interactive activities animation, video demonstration, video clips of experts and self assessment exercises, demonstrations of effect of drugs on various parameters would help students to develop important skills such as reasoning and persistence in the self directed search for solutions becoming better problem- solvers.
- Audio-visual aids are provided in the form of demonstration of procedure for parental drugs administration like IV, IM S/C routes and use of inhaler spacers.

- Filling up an adverse drug report (ADR) report as per the pharmaco vigilance guidelines. Critical analysis of drug promotional literature in the terms of pharmacological actions of their ingredients claims of pharmacological companies, rational or irrational fixed dose combination.
- One issue in assessment is standard evaluation and efforts are now made as per new curriculum guidelines where in goals of teaching as well as learning is on basis of knowledge and skills acquired.
- The department has been established and equipment for lab is under process of procurement.

❖ **Presently the sanctioned departmental faculty strength is as under:-**

S.NO	FACULTY	SANCTIONED POSTS	PRESENT STATUS OF FACULTY
1	Professor	1	Dr. Vineeta Sawhney
2	Associate Professor	1	Dr. Sanjeev Gupta
3	Assistant Professor	2	Dr.Sanjay Shah Dr.Kanika Khajuria

❖ **PHARMACOVIGILANCE CENTER**

- Adverse drug reaction center has been approved for the department by the National Pharmacovigilance center Ghaziabad in the month of Feb 2021. Our AMC (ADR monitoring centre) is reporting ADR to the national center. Various sensitization programmes for the reporting of adverse drug reaction for faculty and nursing staff are conducted on regular basis. The department is also celebrating National Pharmaco-vigilance Week (17th to 23rd September) every year.

❖ **INSTITUTIONAL ETHICAL COMMITTEE**

- The Department worked hard in getting the approval and registration of IEC from DHR-ICMR. The department has recently conducted IEC meeting where more than 60 research projects were evaluated.

❖ **RESEARCH WORK**

- The Department has published more than eighteen (18) research papers in indexed journals in last three years.

❖ **POST GRADUATE TEACHING**

- The Department has already have two sanctioned seats of DNB.
- The goal of the department is now to start MD teaching.

RECOMMENDATIONS

POST GRADUATE TEACHING

➤ Post graduates in pharmacology are always important as they play dominant role in patient centered care activity and also in pharmaceutical industry. Developing the skills of post graduate with the use of modern equipments such as quantitative estimation equipment calorimeter , spectrophotometer, HPLC etc. For all these the research Lab should be well equipped.

❖ SERVICES TO THE HOSPITAL

The department should be involved in critical analysis and prescription auditing and reporting of any issues found to be in contravention to established norms of rational drugs therapy.

- Estimation of drugs level
- Pulmonary function test.
- Therapeutic drugs monitoring.
- ADR monitoring in hospitals, drug interaction.
- Publishing drug bulletin
- Involvement in matters like drug procurement, storage, dispensing policy making and quality control.
- Quality control lab is an instrument to check, verify and realize whether a drug conforms to certain specifications.