

Elective - Prescription Audit – From Bench to Bedside

Name of Block	Block 1
Name of Elective	Prescription Audit – From Bench to Bedside
Location of hospital Lab or research facility	Dayanand Medical College & Hospital, Dept of Microbiology
Name of internal preceptor(s)	Dr Manisha Aggarwal
Name of external preceptor (if applicable)	N/A
Learning objectives of elective	• Understand the principles and importance of prescription audit • Identify common prescribing errors and irrational drug use • Correlate laboratory data & assess prescriptions for correct drug, dose, frequency, and duration • Apply standard treatment guidelines and essential medicines concepts
Number of students that can be accommodated in this elective	4
Prerequisites for elective	• Knowledge of rational drug use • Basic understanding of pharmacology and microbiology • Familiarity with standard treatment guidelines
Learning resources for students	• Standard Treatment Guidelines (STGs) • WHO Guide to Good Prescribing • Institutional antibiogram
List of activities of student participation	Bench-Based Activities • Review of laboratory reports (culture, sensitivity, biochemistry) • Correlation of lab findings with prescribed drugs • Evaluation of antimicrobial therapy based on laboratory evidence Bedside / Clinical Activities • Identification of prescription changes after lab reports
Log book/Portfolio entries required	• Case-based discussions • Presentation of audited prescriptions • Final Presentation • Completion certificate
Assessment	• Attendance • Successful completion of objectives and log book entry of

Logbook – cum- Portfolio

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	day-to-day participation in departmental activity, on the basis of pre/post test • Case presentation • Final presentation
Other comments	Nil

Elective Module - Prescription Audit – From Bench to Bedside

Prescription writing is a core clinical competency that directly affects patient safety, therapeutic outcomes, antimicrobial resistance, and healthcare costs. Prescription audit is a systematic tool used to evaluate the appropriateness, rationality, and safety of prescribing practices.

This elective module, *Prescription Audit – From Bench to Bedside*, aims to familiarize MBBS students with real-world prescriptions, emphasizing the integration of laboratory findings (bench) with clinical decision-making (bedside). The module enables students to identify prescribing errors, evaluate rational drug use, and understand the importance of audit as a quality improvement measure in healthcare.