

DEPARTMENT OF RESPIRATORY MEDICINE

HAMDARD INSTITUTE OF MEDICAL SCIENCES & RESEARCH, NEW DELHI

INHALED DRUGS IN BRONCHIAL ASTHMA

Name of Block	Block 1
Name of Elective	Inhaled Drugs in Bronchial Asthma
Location of hospital lab or research facility	Department of Respiratory Medicine
Name of internal preceptor(s)	Dr. Sumeera Banday, Professor & HOD Dr. Mohd Afaque, Department of Respiratory Medicine
Name of external preceptor (if any)	
Learning objectives of the elective	1. Understand pharmacology and mechanism of inhaled bronchodilators and corticosteroids. 2. Demonstrate correct use of inhaler devices and spacers. 3. Explain stepwise asthma management per GINA 2025 guidelines. 4. Recognize and manage inhaler technique errors. 5. Participate in patient education sessions.
Number of students that can be accommodated in this elective	5 (Five)
Prerequisites for the elective	1. Basic knowledge of Respiratory Medicine and Infectious Diseases 2. Understanding of microbiology and pharmacology principles
Learning resources for students	1. Standard Treatment Guidelines for Asthma (GINA 2025) 2. Review articles and standard respiratory medicine textbooks
List of activities in which the student will participate	1. Demonstration and practice of various inhaler devices (MDI, DPI, nebulizer). 2. Observe OPD and ward cases of asthma and COPD. 3. Participate in inhalation therapy counselling sessions. 4. Review clinical cases for rational inhaler prescribing.
Portfolio entries required	Entry in Logbook Case-based discussion summary
Log book entry required	Yes
Assessment	Participation in daily rounds and discussions Case presentation Viva voce at the end of elective
Other comments	Active participation and punctuality will be part of overall evaluation.

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NEW REGIMEN IN DR-TB

Name of Block	Block 1
Name of Elective	New Regimen in DR-TB
Location of hospital lab or research facility	Department of Respiratory Medicine
Name of internal preceptor(s)	Dr. Sumeera Banday, Professor & HOD Dr. Mohd Afaq, Department of Respiratory Medicine
Name of external preceptor (if any)	
Learning objectives of the elective	1. Describe newer and shorter regimens for DR-TB management. 2. Understand the role and mechanism of newer anti-TB drugs (Bedaquiline, Delamanid, Pretomanid). 3. Discuss patient categorization, drug resistance patterns, and follow-up protocols. 4. Review adverse event monitoring and reporting. 5. Observe case-based management discussions.
Number of students that can be accommodated in this elective	5 (Five)
Prerequisites for the elective	1. Basic knowledge of Respiratory Medicine and Infectious Diseases 2. Understanding of microbiology and pharmacology principles
Learning resources for students	1. WHO Guidelines on Tuberculosis and Drug-resistant TB (2023) 2. National TB Elimination Programme (NTEP) Guidelines, India) 3. Review articles and standard respiratory medicine textbooks
List of activities in which the student will participate	1. Observe outpatient DR-TB cases. 2. Review drug charts and discuss regimen modifications. 3. Participate in NTEP reporting and patient follow-up.. 4. Learn about infection control and MDR-TB counselling.
Portfolio entries required	Entry in Logbook Case-based discussion summary
Log book entry required	Yes
Assessment	Participation in daily rounds and discussions Case presentation Viva voce at the end of elective
Other comments	Active participation and punctuality will be part of overall evaluation.