

ELECTIVES – PHARMACOLOGY

1

Name of Block	Block I
Name of Elective	Clinical Pharmacology and Pharmacotherapy of bronchial asthma
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College, Thrissur
Name of internal preceptor(s)	Dr Gopesh V
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none">1. Visit Pulmonary medicine OP / Asthma clinic /ward/ICU– See cases and note down the management including the drugs used with dose and route2. To classify and enumerate the drugs used in the treatment of bronchial asthma3. To describe the clinical pharmacology of the above drugs- mechanism of action, drug interactions, adverse drug reactions4. To learn the current GINA guidelines for management of bronchial asthma5. To learn ‘P treatment’ of acute bronchial asthma6. To learn the information to be communicated regarding the use of various devices and drugs in a patient with bronchial asthma7. Pharmacovigilance: ADR reporting, Causality assessment, Uploading
Number of students that can be accommodated in this elective	4 - 6
Prerequisites for elective	Pharmacology of drugs used in the treatment of bronchial asthma
Learning resources for students	1. Essentials of Medical Pharmacology: K.D Tripathi

	<ol style="list-style-type: none"> 2. Harrison's Principles of Internal Medicine: 21st edition 3. Current GINA Guidelines for management of bronchial asthma
List of activities of student participation	<ol style="list-style-type: none"> 1. Read and discuss the drugs used in the treatment of Bronchial Asthma 2. Present the given topic regarding the management of Bronchial asthma in a small group and participate in active discussion
Portfolio entries required	Documentation of presentation done
Log book entry required	Day to day activities must be recorded in the log book & signed by preceptor
Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activity 2. Performance of assigned task and presentation of topic
Other comments	

2

Name of block	Block I
Name of Elective	Anti Retroviral Therapy{ART}
Location	Department of Pharmacology
Name of internal preceptor	Dr Ushabhayi C
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives	<ol style="list-style-type: none"> 1. Visit ART clinic – note down the treatment regimens 2. To classify and enumerate the drugs used in the treatment of Human immunodeficiency virus infection 3. To describe the clinical pharmacology of commonly used ART drugs- mechanism of action, drug interactions, adverse drug reactions 4. To describe the principles of ART according to the current National Aids Control Organisation guidelines

	<ol style="list-style-type: none"> 5. To describe the current treatment regimens for ART according to NACO 6. To learn and describe Post exposure prophylaxis against HIV 7. To learn about prevention and treatment of opportunistic infections in HIV infected patients 8. To learn about Monitoring of ART patients 9. To learn about ART in Pregnancy and breast feeding 10. To learn about ART in HIV- Tuberculosis co infected patients 11. To learn about Infant ARV Prophylaxis 12. To learn the information to be communicated regarding the treatment to the patient 13. Pharmacovigilance: ADR reporting, Causality assessment, Uploading
No of students that can be accommodated in this elective	4 - 6
Prerequisites	Pharmacology of drugs used in the Treatment of HIV
Learning resources for students	<ol style="list-style-type: none"> 1. Essentials of Medical Pharmacology Tripathi 2. National AIDS control organisation: National guidelines for HIV care and treatment 2021
List of activities	<ol style="list-style-type: none"> 1. Read and discuss the drugs used in the treatment of Human immunodeficiency virus infection 2. Present the given topic regarding ART in the small group and participate in active discussion
Portfolio entries required	Documentation of presentation done
Log book entry required	Day to day activities must be recorded in the log book & signed by preceptor

Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activities 2. Performance of assigned task and presentation of topic
Other comments	

3

Name of Block	Block I
Name of Elective	Clinical pharmacology and pharmacotherapy of Epilepsy
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College Thrissur
Name of internal preceptor(s)	Dr Binoy E B
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none"> 1. Visit Medicine/ Neurology OP/Ward/ICU- See cases and note down the drugs used with dose and route in different types of Epilepsy 2. To classify and enumerate the drugs used in the treatment of Epilepsy. 3. To describe the clinical pharmacology of the above drugs- mechanism of action, drug interactions, adverse drug reactions 4. To learn the current guidelines for management of Epilepsy including Status Epilepticus 5. Select and describe the treatment of different types of epilepsy. 6. To learn the information to be communicated regarding the treatment to the patient 7. Pharmacovigilance:

	ADR reporting, Causality assessment, Uploading
Number of students that can be accommodated in this elective	4 - 6
Prerequisites for elective	Thorough knowledge about the drugs for treatment of Epilepsy and Status Epilepticus Current guidelines for management of Epilepsy and Status Epilepticus
Learning resources for students	<ol style="list-style-type: none"> 1. Essentials of Medical Pharmacology Tripathi 2. Davidson's principles and practice of Medicine. 3. Guidelines for management of Epilepsy and Status Epilepticus
List of activities of student participation	<ol style="list-style-type: none"> 1. Read and discuss the drugs used in the treatment of Epilepsy 2. Prepare and present the pharmacotherapy of Epilepsy and Status epilepticus and discuss the same in a small group 3. Write current guidelines for management of Epilepsy and Status Epilepticus
Portfolio entries required	Documentation of presentation done
Log book entry required	Day today activities must be recorded in the log book & signed by preceptor
Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activities 2. Performance of assigned task and presentation of topic
Other comments	

For second half

1.

Name of Block	Block I
Name of Elective	Clinical pharmacology and pharmacotherapy Hypertension
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College Thrissur
Name of internal preceptor(s)	Dr Sasmi MB
Name of external preceptor(s) if applicable	Dr K B Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none">1. Visit Medicine OP/ Ward/ICU- See cases and note down the drugs used including dose and route2. Criteria for diagnosing Hypertension3. Management goals4. Classification of drugs5. Drug selection in various types of HTN6. To counsel patients about non-pharmacological management of HTN7. Relevant investigations8. Management of hypertensive emergency9. Pharmacovigilance: ADR reporting, Causality assessment, Uploading
Number of students that can be accommodated in this elective	4 - 6
Learning resources for students	<ol style="list-style-type: none">1. Essentials of Medical Pharmacology Tripathi2. Davidson's principles and practice of Medicine3. Current JNC guidelines for management of Hypertension

Assignments	Find the 'P' drug for the given case and write a proper prescription
List of activities of student participation	<ol style="list-style-type: none"> 1. Read and discuss the drugs used in the treatment of Hypertension 2. Prepare and present the pharmacotherapy of Hypertension and discuss the same in a small group 3. Find the 'P' drug for the given case and write a proper prescription
Portfolio entries required	Documentation of presentation done
Log book entry required	Day today activities must be recorded in the log book & signed by preceptor
Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activities 2. Performance of assigned task and presentation of topic
Other comments	

2.

Name of Block	Block I
Name of Elective	Clinical pharmacology and pharmacotherapy of Angina & Myocardial infarction
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College Thrissur
Name of internal preceptor(s)	Dr Firoz Thaha
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none"> 1. Visit Medicine OP/ Cardiology OP/Ward/ICU- See cases and note down the management with drugs used including dose and route

	<ol style="list-style-type: none"> 2. To learn the clinical pharmacology of different classes of drugs used in the management of angina and myocardial infarction 3. To learn the guidelines for management of angina and myocardial infarction 4. To learn the required information to be communicated regarding the management and the drugs to a patient with angina or myocardial infarction 5. Pharmacovigilance: ADR reporting, Causality assessment, Uploading
Number of students that can be accommodated in this elective	4 - 6
Prerequisites for elective	<ol style="list-style-type: none"> 1. Thorough knowledge about drugs for treatment of angina and myocardial infarction, 2. Current guidelines for management of angina and myocardial infarction
Learning resources for students	<ol style="list-style-type: none"> 1. Essentials of Medical Pharmacology Tripathi 2. Davidson's principles and practice of Medicine. 3. Guidelines for management of angina & MI
List of activities of student participation	<ol style="list-style-type: none"> 1. Prepare and present the pharmacotherapy of angina and myocardial infarction and discuss in a small group 2. Write the current guidelines for management of angina and myocardial infarction
Portfolio entries required	Documentation of presentation done
Log book entry required	Day today activities must be recorded in the log book & signed by preceptor
Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activities 2. Performance of assigned task and presentation of topic
Other comments	

3.

Name of Block	Block I
Name of Elective	Drug therapy of Tuberculosis
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College Thrissur
Name of internal preceptor(s)	Dr Haseena K A
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none"> 1. Visit TB clinic/Ward- See cases and note down the management 2. To enumerate the first line anti TB drugs 3. Define MDR TB& XDR TB 4. To prescribe for a case of newly diagnosed TB 5. Monitor the adverse effects of anti tubercular drugs 6. Pharmacovigilance: ADR reporting, Causality assessment, Uploading
Number of students that can be accommodated in this elective	4 - 6
Prerequisites for elective	Thorough knowledge of the pharmacology of drugs used in the treatment of TB
Learning resources for students	<ol style="list-style-type: none"> 1. Essentials of Medical Pharmacology Tripathi 2. Davidson's principles and practice of Medicine. 3. NTEP guidelines
List of activities of student participation	Students will be divided into groups and can do a presentation of the different aspects of treatment of Tuberculosis as project.
Portfolio entries required	Documentation of presentation done
Log book entry required	Day today activities must be recorded in the log book & signed by preceptor
Assessment	<ol style="list-style-type: none"> 1. Attendance; day to day participation in departmental activities

	2. Performance of assigned task and presentation of topic
Other comments	

4.

Name of Block	Block I
Name of Elective	Management of Diabetes Mellitus
Location of hospital lab/research facility	Department of Pharmacology, Govt Medical College, Thrissur
Name of internal preceptor(s)	Dr Preetha Jose
Name of external preceptor(s) if applicable	Dr KB Sanalkumar
Learning objectives of electives	<ol style="list-style-type: none"> 1. Visit Medicine OP/ diabetic clinic/ Ward/ICU- See cases and note down the management with drugs used including dose and route 2. Criteria for diagnosing diabetes mellitus 3. Management goals 4. Relevant investigations 5. To classify and enumerate the drugs used in the treatment of Diabetes Mellitus 6. To describe the clinical pharmacology of the above drugs- mechanism of action, drug interactions, adverse drug reactions 7. To learn the current guidelines for management of Diabetes Mellitus 8. Drug selection in various types of diabetes mellitus 9. To describe the management of Diabetes Mellitus – Type I and II, Diabetic ketoacidosis, hyperosmolar nonketotic coma, Hypoglycemia

	<p>10. To learn the information to be communicated regarding the disease and the treatment to the patient. To counsel patients about non- pharmacological management of diabetes mellitus</p> <p>11. Pharmacovigilance: ADR reporting, Causality assessment, Uploading</p>
Number of students that can be accommodated in this elective	4 - 6
Prerequisites for elective	Pharmacology of drugs used in the Treatment of Diabetes Mellitus
Learning resources for students	<p>1. Essentials of Medical Pharmacology Tripathi</p> <p>2. Davidson's principles and practice of Medicine.</p> <p>3. Current ADA Guidelines for management of Diabetes Mellitus</p>
List of activities of student participation	<p>1. Read and discuss the drugs used in the treatment of Diabetes Mellitus</p> <p>2. Present the given topic regarding Diabetes Mellitus in the small group and participate in active discussion</p>
Portfolio entries required	Documentation of presentation done
Log book entry required	Day to day activities must be recorded in the log book & signed by preceptor
Assessment	<p>1. Attendance; day to day participation in departmental activities</p> <p>2. Performance of assigned task and presentation of topic</p>
Other comments	