

Certification Course on Chemotherapy

This certification course in Chemotherapy is designed to prepare registered pharmacists to be specially trained in preparation of chemotherapeutic drugs and management of patients on chemotherapy. Pharmacists/ Clinical pharmacists undergoing this course will be able to function as Pharmacist in chemotherapy mixing unit in hospitals.

Objectives of the Course:

At the end of the course, the participants will be able to;

- Independently prepare chemotherapeutic agents
- Calculate routine doses of chemotherapy drugs using dosing principles
- Follow the safe handling principles of cytotoxic drugs
- Demonstrate skill in extravasation and spill management of chemotherapy drugs
- Understand regimen related side effects and toxicities
- Counsel patients and families on home care and follow up after chemotherapy administration

Eligibility Criteria

- Registered Pharmacist

Course Duration

- One month
Total Hours : 200 Hours

Course Fee

One time nonrefundable fee of Rs 3000/- has to be paid after receiving the selection communication from the hospital

Delivery of Content

The content will be delivered in 4 modules that enables participants to meet the learning objectives through self - directed learning followed by two weeks of intense, guided skill training in chemotherapy unit of the hospital.

Each module will comprise the following:

- Lessons to introduce the module
- Narrated power point presentations
- Demonstrating procedures
- Reading materials
- Quiz/ Test

Module Contents

Module 1 – Overview of Cancer

- Introduction
- Epidemiology
- Etiology
- Cell cycle
- Tumor classification
- Biology of cancer
- Carcinogenesis
- Mechanism of metastasis
- Grading and staging of cancer
- Diagnostic methods in cancer detection
- Treatment modalities available

Module 2 – Chemotherapy in Cancer Treatment

- Introduction to chemotherapy
- Classification of chemotherapeutic drugs
- IV Chemotherapy
- Oral Chemotherapy
- Patient Consent Process
- Patient education
- Ordering, Labelling, Preparing and Dispensing
- Safe handling of cytotoxic drugs
- Handling of laminar hood
- Monitoring after chemotherapy

Module 3– Fundamentals of Chemotherapeutic Drug Administration

- Classification of Central Venous Access Devices
- General guidelines for vascular access care
- Central Venous Access Device care and maintenance
- Complications– Identification & Management

Module 4 – Management of Adverse Events

- Spillage management
- Extravasation
- Complications– Prevention, Identification and Management
- Management of adverse effects and regimen related toxicities
- Warning signs for medical aid
- Chemotherapeutic Drug Disposal

Methods of Evaluation

Theory:

- End of Module Test - 25 marks
- Total - 100marks

Clinical Practice:

- Completion of Log book - 20 marks
- Clinical Evaluation - 5 marks
- Practical Exam - 25 marks
- Total - 50marks

Criteria for Certification in Chemotherapy:

1. 75% marks scored in theory and 80% in practical exam
2. 100% attendance during the course
3. Satisfactory completion of the log book during the course

Application Process

You can mail a CV or Resume to clinicalpharmacy.astermedcity@asterhospital.com



Scan the QR code to get the application form

Last date for the submission of application – July 25, 2023
Commencement of the First Batch – August 1, 2023