

Comprehensive Chemotherapy and Biological Therapies Course

This four-day course is designed to address the needs of the nursing and other oncology professionals in relation to chemotherapy and biological therapies. It includes information on current and investigational pharmacotherapy, safe handling, administration of antineoplastic agents, and various issues concerning the management of patients receiving cancer therapy.

This course is NOT a certification course and is not intended to measure competency. Individual institutions are responsible for determining their own requirements for assessing clinical competency.

It is strongly recommended that attendees have taken the Foundations to Practice series prior to completing this course.

All courses are sponsored by UPMC Hillman Cancer Center.

The faculty consists of healthcare professionals with expertise in cancer care at UPMC.

Time and Location:

This course will be held both on the UPMC Shadyside campus in the Shadyside section of Pittsburgh, PA and virtually via Microsoft Teams. Exact location will be provided in the confirmation letter sent one week prior to the class. Registration for live classes begins at 7:30 a.m. and lectures begin promptly at 8:00 a.m. The course concludes at approximately 4:30 p.m. each day.

Who Should Attend:

The course is designed for nurses and other oncology professionals involved in cancer care. Six months of oncology experience and the completion of the Foundations to Practice Series (Pathophysiology of Cancer, Cancer Treatment Modalities, and the Immune System; Overview of Solid Tumors; Symptom Management of Patients with Cancer; Oncology Emergencies and Advanced Cancer Care Issues; and Hematological Malignancies) or other introductory cancer courses are *strongly recommended*.

Some course content is required for nurses working in Interventional Radiology (IR) at UPMC (only). Course registration must be done via HR Direct > Learning and also by notifying the course director at mccllelandr2@upmc.edu and confirming registration for the IR appropriate lectures.

Continuing Education Credit:

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

This certificate confirms that the participant has successfully completed the course and has

the theoretical foundation needed to administer chemotherapy and biotherapy. This is not a certification course; individual institutions are responsible for determining their own requirements based on internal policies for assessing clinical competency in chemotherapy and biotherapy administration.

Registration Information:

All UPMC employees are required to register for educational programs through Learning via HR Direct. A User Guide is available on the Infonet. Manager approval may be required for some programs for some employees. If you receive this notice when enrolling, please notify your manager of your interest in the program. Non-UPMC employees may register for the course by submitting a course registration form to the course director. Registration forms are located on the UPMC Hillman Cancer Center Professional Education Website <https://hillman.upmc.com/health-care-professionals/education/courses>

The registration fee for this individual course live attendance is \$300 and virtual attendance is \$150. If combined with the entire Foundations to Practice series, the cost for the live course is \$250, the virtual course is \$125. The registration fee includes program materials and morning & afternoon refreshments. Tuition is waived for employees of UPMC and UPMC affiliates.

Deadline for registration is one week before the course date.

Confirmation letters are emailed to all registrants approximately one week prior to class. Confirmation letters contain directions to the site and information on parking as well as other details. If you have any questions, need more information, or do not receive confirmation prior to the course, contact Becky McClelland at mccllelandr2@upmc.edu.

Cancellation Policy:

- If you cannot attend any course day for any reason, you need to directly notify the course registrar by calling 412-623-3661 and leaving a voicemail message or by emailing Becky McClelland at mccllelandr2@upmc.edu.
- If Pittsburgh Public Schools are closed due to treacherous road conditions prior to 6 a.m., our courses are cancelled. The course schedule is not changed by school delays.
- For any adverse weather conditions, please use your best judgment.
- For class cancellations, an announcement will be available at 412-623-3661 and an email will be sent to class attendees.

The program sponsors reserve the right to make changes or cancel the program because of unforeseen circumstances.

Personal Accommodations:

Please indicate any personal accommodations you may need for the program, such as sign language interpreter, large print conference materials, Braille conference materials, wheelchair height tables, accessible parking, or other. Please call 412-623-3661 or email mccllelandr2@upmc.edu two weeks prior to the program if you need any personal accommodations in order to participate.

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Objectives

Upon completion of this course, participants will be able to:

- Discuss the expectations related to class content and the participant's professional responsibilities.
- Discuss the roles of chemotherapy and biotherapy in the treatment of cancer.
- Recall the pharmacology of different classes of antineoplastic or supportive therapies.
- Recognize side effects and organ toxicities that patients may experience while receiving antineoplastic or supportive therapies.
- Discuss management strategies for patients receiving antineoplastic or supportive therapies, including the prevention and treatment of toxicities and side effects.
- Describe factors in the safe administration of antineoplastic and supportive therapies.
- Identify interventions to prevent chemotherapy errors.
- Develop a patient care management plan for a patient receiving antineoplastic therapies.
- Identify three resources for oncology healthcare providers to utilize.
- Demonstrate learning has occurred by achieving at least an 80% on final exam.

Course Content

- Alkylating Agents
- Antimetabolites
- Antineoplastic Therapy Administration
- Antitumor Antibiotics
- CAR T Therapy
- Case Study and Comprehensive Review
- Check Point Inhibitors
- Chemo Error Prevention
- Extravasation
- Growth Factors
- Hormonal Therapies
- Hypersensitivity Reactions
- Interferon, Interleukin, L-Asparaginase, and Vaccine Therapy
- Miscellaneous Agents
- Monoclonal Antibodies
- Plant Alkaloids
- Principles of Cancer Drug Therapy
- Professional Resources
- Oral Adherence
- Organ Toxicities
- Tyrosine Kinase Inhibitors