

Antineoplastic Therapy and Immunotherapy Course

UPMC Hillman Cancer Center: Virtual via MS Teams

Day One: Wednesday, April 10, 2024

Day Two: Wednesday, April 17, 2024

Day Three: Wednesday, April 24, 2024

Day Four: Wednesday, May 1, 2024

Test Date: Thursday, May 16, 2024

Learning Objectives

After participation in this activity, the learner will be able to:

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

Agenda

Day 1: Wednesday, April 10, 2024

7:30 am	Registration and Microsoft Teams Login	
8:00 am	Welcome and Course Overview	Lynne O'Connor, MSN, RN, OCN
8:20 am	Genetics vs. Genomics	Melissa K. Bourdus, MS, CGC
9:10 am	Antitumor Antibiotics	Brian Miller, PharmD
10:25 am	Break	
10:35 am	Monoclonal Antibodies: Part One	Melissa Bastacky, PharmD, BCOP
11:45 am	Lunch	
12:15 pm	Principles of Antineoplastic Drug Therapy	Ernie Sanchez, PharmD
1:15 pm	Plant Alkaloids	Marissa Lamary, PA-C
2:00 pm	Break	
2:10 pm	Monoclonal Antibodies: Part Two	Melissa Bastacky, PharmD, BCOP
3:20 pm	Error Prevention	Amy DiMaggio, MSN, RN, OCN
4:00 pm	Adjournment	Lynne O'Connor, MSN, RN, OCN

Agenda

Day 2: Wednesday, April 17, 2024

7:30 am	Registration and Microsoft Teams Login	
8:00 am	Welcome and Course Overview	Lynne O'Connor, MSN, RN, OCN
8:10 am	Hormone Therapy: Breast Cancer	Courtney Stetor, MPAS, PA-C
8:40 am	Hormone Therapy: Prostate Cancer	Tom Boyer, PA-C
9:15 am	Growth Factors	Emily Mueseler, MPAS, PA-C
9:45 am	Break	
9:55 am	Cytokines, L Asparaginase, and Vaccine Therapy	Tim George, PharmD, BCOP
10:55 am	CAR-T Therapy	Shrina Duggal, PharmD, BCOP
12:00 pm	Lunch	
12:30 pm	Chemotherapy Protectants	Lynne O'Connor, MSN, RN, OCN
1:00 pm	Understanding Organ Toxicity: Management and Adverse Events of Chemotherapy	Linda Pfeifer, CRNP, RN
2:00 pm	Break	
2:10 pm	Antimetabolites	Tim George, PharmD, BCOP
3:20 pm	Hypersensitivity	Alyssa Owens, MPAS, PA-C
4:00 pm	Adjournment	Lynne O'Connor, MSN, RN, OCN

Agenda

Day 3: Wednesday, April 24, 2024

7:30 am	Registration and Microsoft Teams Login	
8:00 am	Welcome and Course Overview	Lynne O'Connor, MSN, RN, OCN
8:05 am	Antineoplastic Therapy Administration	Markie Rearick, MSN, RN, BMTCN
9:35 am	Tyrosine Kinase Inhibitors: Part One	Amanda Agnew, PharmD, BCOP
10:35 am	Break	
10:45 am	Tyrosine Kinase Inhibitors: Part Two	Jason Steele, PharmD, BCOP
11:45 am	Lunch	
12:30 pm	Alkylating Agents	Trish Seaman, MSN, RN, CMSRN
1:35 pm	Miscellaneous Agents	Tim Brenner, PharmD, BCOP
3:35 pm	Post Class Instructions	Lynne O'Connor, MSN, RN, OCN
3:50 pm	Adjournment	

Agenda

Day 4: Wednesday, May 1, 2024

7:30 am	Registration and Microsoft Teams Login	
8:00 am	Welcome and Course Overview	Lynne O'Connor, MSN, RN, OCN
8:05 am	Extravasation	Nancy Birus, MSN, RN, OCN
8:35 am	Oral Adherence	Nancy Birus, MSN, RN, OCN
9:10 am	Homework Review	Lynne O'Connor, MSN, RN, OCN
9:55 am	Break	
10:05 am	Case Study	Brittini Prosdocimo, MSN, RN, BMTCN
10:40 am	Review/Jeopardy	Amy DiMaggio, MSN, RN, OCN Lynne O'Connor, MSN, RN, OCN Brittini Prosdocimo, MSN, RN, BMTCN
11:45 am	Post Class Instructions	Lynne O'Connor, MSN, RN, OCN
12:00 pm	End of Class/Adjournment	Lynne O'Connor, MSN, RN, OCN

Course Exam

UPMC Employees:

You will take course exam on your business unit as specified by your manager. The electronic test will be taken virtually in HR Direct - Learning on Thursday, May 1, 2024. The following information must be provided to course director by [Wednesday, April 24, 2024 \(Day 3\) via email to Lynne O'Connor at OConnorLJ@upmc.edu](mailto:OConnorLJ@upmc.edu)

- Name of exam proctor and contact information
- Test date (if other than scheduled test date)

Non-UPMC Attendees:

You will complete a paper test at your business unit as directed by your manager on the same day as the UPMC employees. The following information must be provided to course director by [Wednesday, April 24, 2024 \(Day 3\) via email to Lynne O'Connor at OConnorLJ@upmc.edu](mailto:OConnorLJ@upmc.edu)

- Name of exam proctor and contact information
- Test date (if other than scheduled test date)

Faculty Listing

*Amanda Agnew, PharmD, BCPS,
BCOP
Clinical Oncology Pharmacist
UPMC Hillman Cancer Center*

*Melissa Bastacky, PharmD, BCOP
Clinical Pharmacy Specialist
UPMC Hillman Cancer Center*

*Nancy Birus, MSN, RN, OCN
Clinical Education Specialist
UPMC Hillman Cancer Center*

*Melissa K. Bourdus, MS, CGC
Genetics Counselor
Special Genetic Counsel
UPMC Magee-Womens Hospital*

*Tom G. Boyer, PA-C
Physician Assistant
University of Pittsburgh Physicians*

*Tim Brenner, PharmD, BCOP
Clinical Pharmacy Specialist
UPMC Hillman Cancer Center*

*Amy DiMaggio, MSN, RN, OCN
Clinical Education Specialist
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*Shrina Duggal, PharmD, BCOP
Lead Clinical Oncology Pharmacist
UPMC Hillman Cancer Center*

*Timothy George, PharmD, BCOP
Clinical Pharmacy Specialist
UPMC Hillman Cancer Center*

*Marissa Lamary, PA-C
Physician Assistant
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UPMC Shadyside*

*Brian Miller, PharmD
Manager, Investigational Drug Services
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*Emily Mueseler, MPAS, PA-C
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*Lynne O'Connor, MSN, RN, OCN
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*Alyssa Owens, MPAS, PA-C
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*Linda Pfeifer, CRNP, RN
Nurse Practitioner
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*Brittini Prosdocimo, MSN, RN, BMTCN
Advanced Clinical Education Specialist
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*Markie Rearick, MSN, RN, BMTCN
Clinical Education Specialist
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*Ernest M. Sanchez, Pharm.D.
Lead Pharmacist of Oncology
Operations, Department of
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*Trish Seaman, MSN, RN, CMSRN
Nurse Educator, Central PA
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*Jason Steele, PharmD, BCOP
Oncology Clinical Pharmacist
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*Courtney Stetor, MPAS PA-C
Physician Assistant
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Contact Hours

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.

The University of Pittsburgh has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 25.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

The maximum number of hours awarded for this Continuing Nursing Education activity is 25.25 contact hours.

To receive 25.25 Contact Hours, the learner must sign into each class day via Microsoft Teams, attend all four class days, and pass the exam with an 80% or greater. Following test completion, the learner will complete the evaluation on the CCE site and claim credit.

Disclosure of Conflicts of Interest

All individuals in a position to control the content of this education activity are required to disclose all relevant financial relationships with any proprietary entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The following information was provided:

Amanda Agnew, Nancy Birus, Melissa K. Bourdius, Thomas G. Boyer, Timothy Brenner, Amy DiMaggio, Marissa Lamary, Emily Mueseler, Lynne O'Connor, Alyssa Owens, Linda Pfeifer, Markie Rearick, Brittni Prosdocimo, Ernest Sanchez, Trish Seaman, Courtney Stetor, and the planning committee for this activity did not have any relevant financial relationships with a commercial interest.

The following information was disclosed:

Melissa Bastacky: Stockholder: CVS Health

Shrina Duggal: Consultant Up ToDate; CE Speakers Bureau: Astellas, Pfizer, Incyte

Timothy George: Stockholder: Syros Pharmaceuticals, Valneva

Brian Miller: Grant/Research Support: F-Star Therapeutics, HiberCell Inc., Istari Oncology, Inc

Jason Steele: Stockholder: Abbvie