

## Brochure for Options II



Wake Forest University Comprehensive Cancer Center Cancer  
(CCCWFU)

**Cancer Chemotherapy and Biotherapy Course  
(3 Didactic Days and 5 Day Clinical Practicum)**

### **General Course Information**

Intended to complement the ONS Chemotherapy and Biotherapy Course and by design focus on the ambulatory infusion nurse's learning needs.

### **Continuing Education Credit**

CCCWFU will award 49 contact hours to nurses who attend this program in its entirety. The Section on Hematology and Oncology, Comprehensive Cancer Center of Wake Forest University is an approved provider of continuing nursing education by the North Carolina Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

### **Additional Information:**

The 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. A certificate of completion will be awarded to participants who achieve an average passing score of 80 or above and successfully completed skills within the clinical practicum.

### **Course Fee:**

\$750.

The course fee includes all course materials, Continuing Nursing Education Credits, and lunch on didactic days.

### **Target Audience and Prerequisite**

Attendees must have successfully completed the ONS Chemotherapy and Biotherapy Course with updated provider card. This course content is appropriate for nurses who are new to chemotherapy administration, as well as for those who want a comprehensive review.

Acceptance into the five-day clinical practicum is contingent on meeting the following established criteria:

- Completed copy of the Nurse Sponsor Agreement
- A copy of the participant's nursing license from his/her state of employment.
- A certificate of professional liability insurance, in an amount no less than \$1 million per occurrence and \$3 million in the aggregate/year.
- Completed and signed copy of immunization record

### **Course Objectives**

Upon completion of the course, the participant will be able to:

- Discuss the mode of action, preparation, route of administration, side effects, and special precautions of the chemotherapy and biotherapy agents.

- Describe NIOSH Alert recommendations, OSHA Hazard Communication Standard and ASHP Guidelines on handling hazardous drugs (HDs)
- Understand proper technique when working with HDs in Biological Safety Cabinets.
- Discuss the proper use of close system devices for preparation and administration of HDs
- Describe the use of an HD spill kit and the precautions required when cleaning a spill
- Determine strategies to disinfect and decontaminate work surfaces
- Identify appropriate practices for safe handling of bodily fluids of patients receiving hazardous drugs.
- Discuss internal and external central venous catheters: types, indications, management, and complications.
- Review the criteria for management of common complications of central venous catheters.
- Discuss the major psychosocial issues relating to cancer and cancer treatment.
- Calculate drug dosages and cumulative doses based on the patient's weight or body surface area.
- Identify patient compliance issues with oral medications and its impact on the oncology patient.
- Define health care illiteracy.
- Review key components for developing patient education materials.
- Identify the role of the nurse in clinical trials.
- Discuss the economics as related to chemotherapeutic and biotherapeutic agents
- Describe history and rationale behind bone marrow transplant and stem cell transplant..
- List the complications that can occur during and after a bone marrow transplant and stem cell transplant..

### **Program Schedule**

1. Drug calculations
  - A. Body surface area
  - B. Drug dose calculation (based on bsa, auc and kg/mg)
  - C. Drug dose modification
  - D. Practice calculations
2. Antineoplastic agents: the specifics
  - A. Mechanism of action
  - B. Preparation and administration
  - C. Side effect
  - D. Special precautions
3. Central venous catheters: nursing implications
  - A. Internal central venous catheters
  - B. External central venous catheters
4. Psychosocial aspects
5. Safe handling during preparation and administration
  - A. Personal protective equipment
  - B. Closed system devices
  - C. Strategies to disinfect and decontaminate work surfaces
  - D. Proper technique when working with HDs in Biological Safety Cabinets.
  - E. Aseptic technique
6. Introduction to clinical trials

7. Promise and pitfalls of oral cancer treatments
8. Blood and bone marrow transplant

Test 1 – Drug Calculation, Central Venous Catheters, Clinical Trials, and Safe Handling

Test 2 – Drug side effect and special precautions

Test 3 - Final Exam

Clinical Practicum will be evaluated by Pass/Fail. Each participant will be paired with a preceptor in each of the following clinical areas: outpatient infusion, inpatient chemotherapy team, central venous catheter care, and clinical coordinating. Participants will have the opportunity to prepare chemotherapy/biotherapy agents.

**Program Location**

Outpatient Comprehensive Cancer Center  
Wake Forest University Baptist Medical Center

**Program Faculty**

Lisa Hodges, RN, BSN, OCN  
Director of Nursing Education and Research

**Registration**

**Registration is limited to 10 participants per course. Return completed registration no later than 3 weeks prior to the course so that adequate quantity of course materials may be ordered.**

**For additional information contact:**

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