

Common Course Outline
RTTT 109
Clinical Education II
3 Credits

The Community College of Baltimore County

Description

Overall Course Objectives

Upon completion of this course the student will be able to:

1. describe equipment used for patient simulation and treatment;
2. discuss the fundamentals of clinical radiation oncology;
3. apply theoretical concepts;
4. describe the parameters if treatment field design;
5. identify components of the treatment prescription;
6. position patient for treatment;
7. take single and double exposure port films;
8. develop and label port films according to department protocol;
9. apply techniques to enhance image details;
10. apply techniques to reduce image distortion;
11. select the most appropriate grid, film and screen;
12. calculate penumbra, magnification factor and percent magnification;
13. critique port films;
14. enter the appropriate monitor units and radiation energy;
15. record all treatment parameters;
16. explain procedure to patient;
17. prepare contrast media.

Major Topics

1. Positioning
2. Topographic Anatomy
3. Lymphatics
4. Radiation Anatomy
5. Treatment Portals
6. Treatment Chart
7. Simulation
8. Port Films
9. Charting
10. Film Critiquing
11. Treatment Delivery
12. Fluoroscopy
13. Tattoos

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

1. Weekly evaluations will be done by the clinical instructor/supervisor
2. One clinical journal review

Date Revised: 12/7/04