

Course Description

This program is designed for transplant and cellular therapy oncology nurses preparing for the Oncology Nursing Certification Corporation BMTCN Exam. The review follows the 2022 BMTCN content outline. Concepts include foundations of transplant, transplant process and infusion, early and late transplant management and education, quality of life and professional performance. This is not an introductory program but a comprehensive review of TCT oncology practice.

Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge and confidence necessary to pass the certification exam.

Agenda

Sign-in begins at 7:30 am. The day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

8:00 am to 4:30 pm

Eligibility Criteria for Initial Certification

Application and Testing Process | Study Recourses | Test-Taking Tips

Basic Concepts of Transplantation

Cell Lineage and Function | Immune System and Function | Goals of Therapy | Indication for Transplant

Types of Transplants and Cellular Therapies

Autologous | Allogenic | Immune Effector Cells

Sources of Stem Cells

Peripheral Blood | Bone Marrow | Umbilical Cord Blood

Recipient Suitability & Evaluation

Eligibility Education | Caregiver Education | Donor Selection, Care and Education

Stem-Cell Procurement

Mobilization | Processing Procedure | Storage of Cellular Product

Preparative Regimens

Intensity of Therapy | Chemotherapy | Radiation Therapy | Biotherapy | Immunotherapy | Targeted Therapies

Stem-Cell Infusion

Fresh and Cryopreserved | Infusion Management | Hematologic ABO Incompatibilities

Types of GVHD

Toxicity and Grading Scales

Common Symptoms to Manage GVHD | Early Post-Transplant Management

Immunosuppressive Therapy | Infection Prevention and Management of Sepsis | Hematologic | Immune Reconstitution | Nutritional Support | Acute System-Specific Complications | Graft Rejection and Failure

Late Post-Transplant Management and Education

GVHD | System-Specific Late Effects | Infection Prevention | Disease Relapse | Malignancy | Follow-Up Care/Visits

Quality of Life

Navigation and Coordination of Care | Psychosocial | Ethical and Legal Consideration

Evaluation

Accreditation

RN/LPN/LVN/Other: 7 Contact Hours

Includes 1 Pharmacology Contact Hour

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

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