

Unit XVI Ethical and legal issues in neuro nursing:

- Brain death & organ transplantation
- Euthanasia
- Negligence & malpractice
- Nosocomial infections: incidence, prevention and management

Unit XVII Rehabilitation:

- Concept of rehabilitation
- Principles of Rehabilitating patients in acute care setting, and following stroke, head injury and degenerative disorders of brain.

Unit XVIII Drugs used in neurology:

- Mechanism of action, drug reactions and interactions, abuse and nursing implications of neuro transmitters, Osmotic diuretics, cholinergic, anticholinergic, anticonvulsants, antiplatelets.

Unit XIX Quality assurance in neurological nursing:

- Standards of neurological nursing practice
- Continuing education in neurological nursing

CLINICAL NURSING II – ONCOLOGICAL NURSING

PLACEMENT: 2ND YEAR

HOURS OF INSTRUCTION: Theory 150 hours + Practical 800 hours = 950 hours

PURPOSE: This course is designed for an advanced course of study for developing expertise and an in depth understanding in the field of oncological nursing.

SPECIFIC OBJECTIVES:

At the end of the course the students will be able to:

1. Describe the concept of cancer, difference between normal cell & cancer cell, its growth and appearance, cell structure, biological differences and genetic difference.
2. Apply nursing process in providing comprehensive care to medical and surgical oncology patient.
3. Demonstrate skill in administering/assisting with various therapies like chemotherapy, teletherapy, brachytherapy and selectron therapy.
4. Appreciate general principles of management of cancer patients
5. Practice as advance practitioner in the field of oncological nursing
6. Demonstrate empathetic approach for management of cancer patients.
7. Describe nursing management of oncological emergencies.

8. Appreciate the role of advance practitioner in oncological nursing
9. To appreciate the ethical and legal issues in oncological nursing practice
10. Identify the need and areas of in service education in oncological nursing
11. Identify areas of research in the field of oncological nursing
12. Describe the design of oncology units

CONTENT OUTLINE

Unit I Introduction:

- Concept of cancer, epidemiology, etiology & risk factors
- Nature of cancer
- Difference between normal cell and cancer cell
- Introduction to Oncological nursing and general principles of management
- Barrier nursing, universal precautions
- Medical, surgical & nursing management of Cancer patients

Unit II Diagnostic evaluation of cancer patients – indications, procedure, pre and post procedure care of patients:

- TNM classification
- Physical examination
- Blood investigations, hematological, biochemical, enzyme studies, tumor markers
- Biopsies
- Radiological studies – X ray, MRI, ultrasonography,
- Positron emission tomography
- Endoscopies

Unit III Prevention, control and rehabilitation of cancer patients

- Primary prevention - Early Detection
- Secondary prevention
- Rehabilitation

Unit IV Psychological Dimensions of cancer patients

- Psychological aspects of cancer patients
- Issues in counseling of cancer patients
- Counseling of cancer patients and families

Unit V Skin cancer – causes, pathophysiology, diagnosis, clinical features and management of:

- Basal cell carcinoma
- Squamous cell carcinoma
- Malignant melanomas

Unit VI Head, Neck and oral cancers - causes, pathophysiology, diagnosis, clinical features and management of:

- Cancer of Larynx
- Cancer of oral cavity
- Cancer of oropharynx & nasopharynx
- Cancer of Brain & Spinal cord.
- Cancer of Thyroid & Parathyroid

Unit VII Cancer lungs & cancer Breast- causes, pathophysiology, diagnosis, clinical features and management

Unit VIII Cancer of Gastro-intestinal tract - causes, pathophysiology, diagnosis, clinical features and management of:

- Cancer of Stomach, Oesophagus, Colon, Liver and Pancreas

Unit IX Cancer of male genito- urinary system - causes, pathophysiology, diagnosis, clinical features and management of:

- Cancer of Kidney, Ureters, Bladder, Prostate and Adrenal Gland

Unit X Cancer of Female Reproductive organs - causes, pathophysiology, diagnosis, clinical features and management of:

- Ca uterus, ovary, cervix, vagina and vulva

Unit XI Cancer of Bone - causes, pathophysiology, diagnosis, clinical features and management of:

- Osteosarcoms, Sarcoma, Chondroma, Osteoblastoma

Unit XII Cancer of blood and blood forming organs - causes, pathophysiology, diagnosis, clinical features and management of:

- Leukemia, Multiple Myeloma, Lymphoma

Unit XIII Childhood cancers - causes, pathophysiology, diagnosis, clinical features and management of:

- Wilms' tumor, nephroblastoma, neuroblastoma, rhabdoyosarcoma, hepatoblastoma, retinoblastoma, hemangioma

Unit XIV Oncological emergencies - causes, pathophysiology, diagnosis, clinical features and management of:

- superior vena cava syndrome, DIC, spinal cord compression, septicemia and shock, hypercalcemia

Unit XV Cancer Therapies – definition, purposes, indications, contr indications, complications, pre and post procedure care:

- Surgery
- Chemotherapy,
- Radiation therapy teletherapy, brachy therapy and selectron therapy
- Stem cell/ bone marrow transplantation
- Immunotherapy
- Gene therapy

- Blood and blood component therapy
- Other alternative and complementary therapies

Unit XVI Pain & palliative care

- Pharmaco therapy, non pharmacotherapy
- Pain management
- Palliative care
- Home care
- Hospice care

Unit XVII Advance nursing procedures – definition, purposes, procedure, nursing implications and complications

- Administration of chemotherapeutic drugs
- Blood transfusion
- Steroid enema
- Ostomy care
- Abdomnal and pleural aspiration
- Lumbar puncture

Unit XVIII Drugs in oncology - mechanism of action, dosages, drug reactions and interactions, and nursing implications of:

- Antiemetics
- Analgesics and antipyretics
- Antibiotics
- Steroids
- Stem cell stimulating agents
- Immuno suppressants
- Bisantrane group drugs
- Chemotherapeutic agents