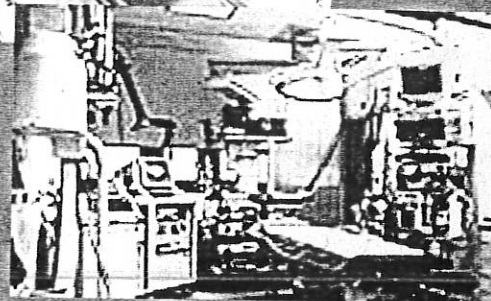
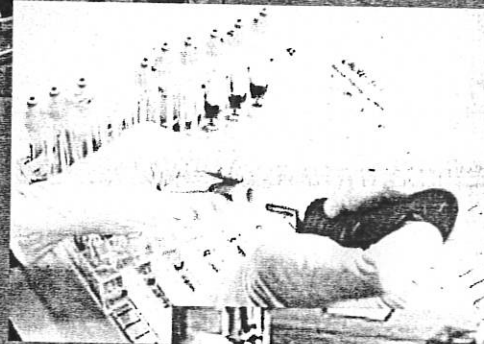


Post Basic Diploma in Oncology Nursing



Indian Nursing Council

Combined Councils Building, Kotla Road, Temple Lane, New Delhi - 110002

Syllabus and Regulations

Post Basic Diploma in Oncology Nursing



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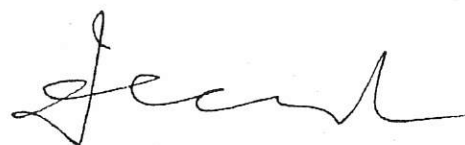
PREFACE

National Health Policy (2002) has highlighted that there is an acute shortage of Nurses trained in Super speciality disciplines for deployment in tertiary care facilities. Policy recognizes the need for establishing training centers for super speciality nurses required for tertiary care institutions.

Cancer has become a major Public Health problem due to increase in the life expectancy and changing life style. There are about 20-25 lakhs cases of Cancer in this country at any given point of time and approximately 7-9 lakh new cases are added every year. Therefore it is significant to train nurses in Oncology nursing. Nurses need to be trained in the area of impact of Cancer genetics, risk analysis and prevention, palliative care, long term survival, Cancer in aged, special counseling, Paediatric Oncology, Chemotherapy and Care patients receiving radiation treatment etc.

In this direction Indian Nursing Council has prepared one year Post Basic Diploma in Oncology Nursing to provide specialized nursing care to the patients in the hospitals and in community.

I take this opportunity to acknowledge the contribution of Sr. Vijaya Puthusserial and other experts in preparing this syllabus. I also acknowledge Ms. K. S. Bharti for designing and formatting the document.



(T. Dileep Kumar)

President
Indian Nursing Council
and Nursing Adviser to
Govt of India

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INTRODUCTION

The health needs of the Indians are fast changing owing to the rapid change in the life style, advanced technology and awareness among the people. Cancer has emerged as a major health problem in India in recent years. It has posed a great concern among the health professionals to meet this challenge. This calls for adequate number of nurses specially trained in oncology nursing who will function as oncology nurse. It is essential for the health care system to meet such needs effectively.

The National Health Policy (NHP) 2002 focuses on the preventive, curative and palliative aspects of care. Since 1983 the NHP has guided the health care system in meeting the needs of the people to a great extent. The policy recognizes "the need for establishing training courses for super-specialty nurses required for tertiary care institutions".

The Post basic Diploma in oncology nursing is designed to prepare specially trained oncology nurses. The outcome of the programme will be to have more nurses prepared as oncology nurses providing competent care at the institutional and community levels.

PHILOSOPHY

INC believes that registered nurses need to be trained in oncology nursing care in clinical and community setting in order to provide competent care to cancer patients and enhance their quality of life.

Expanding role of nurses and advances in technology necessitates additional training to prepare them for effective participation in preventive, promotive, curative, rehabilitative and palliative nursing care

PURPOSE

The purpose of the course is to train nurses to:

1. Provide quality care to patients with an actual or potential diagnosis of cancer.
2. Manage & supervise patient care in clinical and community settings.
3. Teach nurses, allied health professionals, patients and communities in areas related to oncology nursing
4. Conduct research in areas of oncology nursing.

COURSE DESCRIPTION

The course is designed to prepare registered nurses (GNM or B.Sc) with specialized knowledge, skills and attitude in providing advance quality care to cancer patients, their families and communities at primary, secondary, and tertiary levels of care.

GUIDELINES FOR STARTING THE POST BASIC DIPLOMA IN ONCOLOGY NURSING

THE PROGRAMME MAY BE OFFERED AT

- A) The Government (State/Center/Autonomous) nursing teaching institution offering diploma or degree programmes in nursing having parent/ affiliated Government Hospital having medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

Or

- B) Other non-Govt. nursing teaching institution offering diploma or degree programmes in nursing having parent Hospital having medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

Or

- C) Regional Cancer centers/Cancer Hospitals having minimum 100 beds, with medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

RECOGNITION PROCEDURE

1. Any institution which wishes to start post basic diploma in neonatal nursing should obtain the No Objection/Essentiality certificate from the State government. The institutions which are already recognized by INC for offering diploma/degree programmes in nursing are exempted for obtaining the No Objection/Essentiality certificate.

2. The Indian Nursing council on receipt of the proposal from the Institution to start nursing program (School/College), will undertake the inspection to assess suitability with regard to physical infrastructure, clinical facility and teaching faculty in order to give permission to start the programme.
3. After the receipt of the permission to start the nursing programme from Indian Nursing Council, the institution shall obtain the approval from the State Nursing Council and Examination Board/University.
4. Institution will admit the students only after taking approval of State Nursing Council and Examination Board/University.
5. The Indian Nursing Council will conduct inspection for two consecutive years for continuation of the permission to conduct the programme.

STAFFING

1. Full time teaching faculty in the ratio of 1:5

Minimum number of teaching faculty should be 2 (two)

Qualification: 1. M.Sc Nursing with medical surgical/Oncology nursing Specialty

2. Post basic diploma in Oncology Nursing

Experience: Minimum 3 years

2. *Guest faculty:* multi-disciplinary in related specialties

BUDGET

There should be budgetary provision for staff salary, honorarium for part time teachers, clerical assistance, library and contingency expenditure for the programme in the overall budget of the institution.

PHYSICAL FACILITIES

1. *Class room:* 1

2. *Nursing Laboratory:* 1
3. *Library:* Permission to use medical/hospital library having current nursing textbooks & journals in pediatric and neonatal nursing.
4. *Teaching Aids:* Facilities for the use of
 - Overhead projector
 - Slide Projector
 - TV with VCR/VCP, DVD player, DVD's, CD's Video cassettes
 - LCD projector
 - Computer
 - Internet facility
 - Equipment for demonstration of skills(Simulators/models, os-tomy bags and equipments, manikins etc)
5. *Office facilities:*
 - Services of typist, peon, safai karamchari
 - Facilities for office, equipment and supplies, such as
 - Stationary
 - Computer with printer
 - Xerox machine/Risograph
 - Telephone and fax

CLINICAL FACILITIES

Minimum Bed strength

Government/Non Govt hospitals having 250-500 beds with minimum 30 oncology beds, medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

Regional cancer Centres/ 100 bedded oncology hospitals having medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

ADMISSION TERMS AND CONDITIONS

The student seeking admission to this course should:

1. Be a registered nurse (R.N & R.M) or equivalent
 2. Possess a minimum of one year experience as a staff nurse.
 3. Nurses from other countries must obtain an equivalence certificate from INC before admission.
 4. Be physically fit.
 5. No. of seats –
 - Hospital which is having 250-500 beds (30 bedded cancer units) no. of seats = 5-10
 - Hospital having more than 500 beds (50 bedded cancer units) no. of seats = 10-15
- Regional cancer Centres/ 100 bedded oncology hospitals=10-20 seats

ORGANIZATION OF THE COURSE

I. DURATION: Duration of the course is one academic year.

II. DISTRIBUTION OF THE COURSE:

1. Teaching: Theory & Clinical practice	42 weeks
2. Internship	4 weeks
3. Examination (including preparation)	2 weeks
4. Vacation	2 weeks
5. Public holidays	2 weeks
	<u>52 weeks</u>

III. COURSE OBJECTIVES:

General Objective

At the end of the course the student will be able to develop an understanding of philosophy, principles, and standards of oncology nursing practice, management and education in oncology nursing. Further more, this course will enable them to develop skills and attitude in providing competent oncology nursing care.

Specific Objectives:

At the end of the course the student will be able to

1. Describe the concepts, principles and standards of oncology nursing practice.
2. Assess the physiological, physical, psychological, social & spiritual problems of cancer patients and their families.
3. Describe the principles of radiotherapy, chemotherapy, biotherapy and surgery.
4. Apply nursing process in caring for patients with cancers of different organs.

- Hours distribution for theory and practice
42 weeks × 40 hours/week
= 1680 hours
- Block classes
4 weeks × 40 hours/week
= 160 hours
- Integrated theory & clinical practice
38 weeks × 40 hours/week
= 1520 hours
 - (Theory 400 hrs)* Theory 6 hours /week
38 weeks × 6 hours/week
= 240 hours
 - Clinical experience 34 hours/weeks
38 weeks × 34 hours/week
= 1280 hours
- Internship:
4 weeks × 40 hours
= 160 hours

V. CLINICAL EXPERIENCE

Areas of clinical experience required_ - 38 weeks

1. Medical Oncology ward/ICU including Bone marrow Transplantation Unit	8	Weeks
2. Surgical Oncology ward/ICU	8	"
3. Operation Theatre	2	"
4. Radiotherapy Unit	4	"
5. Chemotherapy Unit	4	"
6. Out Patient Department & Pain Clinic	4	"
7. Community Oncology	2	"
8. Pediatric Oncology-ward, ICU	2	"
9. Palliative Care Ward	2	"
10. Hospice	2	"

VI. EXAMINATION SCHEME

	Int. Ass. Marks	Ext. Ass. Marks	Total marks	Duration (in hours)
A. Theory				
Paper I- Clinical Nursing I	50	150	200	3
Paper II- Clinical Nursing II	50	150	200	3
Paper III- Supervision & Management, Clinical Teaching, Elementary Research & Statistics	50	150	200	3
B. Practical				
Clinical Nursing (teaching & supervision to be integrated)	100	100	200	
Grand Total	250	550	800	

C. Conditions for Admission to Examination

The Student:

1. Has attended not less than 75% of the theoretical instruction hours in each subject during the year.
2. Has done not less than 75% of the clinical practical hours. However, students should make up 100% of attendance for integrated practice experience and internship in term of hours and activities before awarding the certificate.

VII. EXAMINATION

The examination to be conducted by the State Nursing Registration Council/State Nursing Examination Board/University recognized by the Indian Nursing Council.

VIII. STANDARD OF PASSING

1. In order to pass a candidate should obtain at least 50% marks separately in internal Assessment and external examination in each of the theory practical and papers.
2. a) Less than 60% is Second division,
b) 60 % and above and below 75% is First division,
c) 75 % and above is Distinction.
3. Students will be given opportunity of maximum of 3 attempts for passing

IX. CERTIFICATION

TITLE - Post Basic Diploma In Oncology nursing.

- B. A diploma is awarded upon successful completion of the prescribed study programme, which will state that
- i) Candidate has completed the prescribed course of Oncology Nursing.
 - ii) Candidate has completed prescribed clinical experience.
 - iii) Candidate has passed the prescribed examination.

CLINICAL NURSING - I

(Including Foundation Courses)

Description:

This course is developed to help the student to recognize the etiology, pathophysiology, symptomatology, diagnostic measures and management of patients with malignant conditions affecting various systems. The course will further help the graduates to acquire knowledge and skill in providing comprehensive nursing care to such patients and attempts to explore and expand nursing knowledge through nursing research.

Objectives:

On completion of the course, graduates will be able to:

- a. Apply the knowledge of basic sciences related to oncology nursing in various clinical settings.
- b. Explain the properties of cancer cell, etiology, prevention, screening and early detection of cancer.
- c. Recognize and assist in the diagnostic measures in various malignant conditions.
- d. Identify the role of nurse in various therapies used for patients with oncological disorders
- e. Apply nursing process in providing comprehensive care to cancer patients.
- f. Recognise the nutritional problems of cancer patients and their management.
- g. Communicate effectively with patients and families of cancer patients

Subject	Hours	Content
Unit I	10	Psychology <input type="checkbox"/> Review <ul style="list-style-type: none"> • Individual differences • Learning, Motivation, attention & perception • Emotions • Human behavior & needs in crisis • Stress & coping in crisis situations • Leadership • Communication and IPR • Counselling • Attitudes and humanizing care
Unit II	10	Sociology <input type="checkbox"/> Review <ul style="list-style-type: none"> • Social organization & community resources • Leadership roles in community, • Family and family relationships • Socio cultural influences
Unit III	10	Microbiology <input type="checkbox"/> Review <ul style="list-style-type: none"> • Immunity • Infection • Principles of asepsis, Sterilization & disinfection

Subject	Hours	Content
		<ul style="list-style-type: none"> • Diagnostic tests in Microbiology & related nurses' responsibility • Standard safety measures & biomedical waste management
Unit IV	20	Applied Anatomy & Physiology <ul style="list-style-type: none"> <input type="checkbox"/> Review <ul style="list-style-type: none"> • Cell structure and physiology <ul style="list-style-type: none"> – Normal cells – Malignant cells • Neurological system • Respiratory system • Blood and lymphatics • Cardiovascular system • Gastro intestinal system • Endocrine system • Musculoskeletal system • Genitourinary system • Reproductive system • Sensory organs
Unit V	10	Pharmacology <ul style="list-style-type: none"> <input type="checkbox"/> Review <ul style="list-style-type: none"> • Pharmacokinetics • Analgesics • Sedatives and Narcotics • Antibiotics, antiseptics

Subject	Hours	Content
		<ul style="list-style-type: none"> • Drug reaction & toxicity • Drugs used in cancer chemotherapy • Blood and blood components • Principles of drug administration, role of nurses and care of drugs
Unit VI	10	<input type="checkbox"/> Communication Skills & IPR <ul style="list-style-type: none"> • Process & methods • Establishing & maintaining good IPR & communication with family, staff and colleagues • Multidisciplinary team & role of nurses • Breaking bad news <input type="checkbox"/> Guidance & Counseling
Unit VII	5	<input type="checkbox"/> Principles of Radiation physics <ul style="list-style-type: none"> • Nature of Radioactivity • Radio active elements • Radio biology • Types and sources • Principles of Radiation protection
Unit VIII	15	<input type="checkbox"/> Introduction to oncology nursing: <ul style="list-style-type: none"> • Biology of Cancer • Etiology of Cancer • Epidemiology of Cancer

Subject	Hours	Content
		<ul style="list-style-type: none"> • Warning signs • Pathogenesis of cancer • Staging of tumors • Cancer Prevention, Screening and • Early detection and Nurses' role • Standards of oncology nursing practice Principle of cancer management • Role and responsibilities of oncology nurses • Cancer care settings and role of nurses in different settings • Nursing Process
Unit IX	10	<input type="checkbox"/> Techniques of Diagnosis <ul style="list-style-type: none"> • Fine needle Aspiration Cytology (FNAC) • Biopsies • Endoscopy • Laproscopy • Histopathology • Cytology • Computed Tomography • MRI • Radio Nuclide Imaging • Ultra Sound • Functional And Metabolic Imaging

Subject	Hours	Content
		<ul style="list-style-type: none"> • Using radio isotopes • Pap smear • Mammography <p>Nurses responsibilities in diagnostic measures</p>
Unit X	20	<p>❑ Radiotherapy:</p> <ul style="list-style-type: none"> • Principles and techniques of radiotherapy • Radiotherapy- Brachytherapy - LDR, HDR, Interstitial Implantation • Teletherapy/ Treatment planning/ Simulation • Adverse effects and their management <p>Nurse's role</p> <p>❑ Chemotherapy:</p> <ul style="list-style-type: none"> • Principles & classification of chemotherapeutics • Safe handling & administration • Side effects, Complications & management • Future directions and advances <p>Nurse's role</p>

Subject	Hours	Content
		<input type="checkbox"/> Surgery: <ul style="list-style-type: none"> • Principles of surgical oncology • Special surgical techniques • Palliative Surgery • Pre operative & postoperative nursing care • Care of flaps and amputations • Future directions and advances <input type="checkbox"/> Biotherapy: <ul style="list-style-type: none"> • Major biologic response modifiers • Nurses' role in Biotherapy • Monoclonal antibodies & immunomodulating agents
		<input type="checkbox"/> New approaches <ul style="list-style-type: none"> • Gene therapy, Immuno-toxin therapy and Vaccines • AIDS related Malignancies
Unit XI	20	<input type="checkbox"/> Pain management <ul style="list-style-type: none"> • Types and nature of cancer pain • Pathophysiology of pain • Pain threshold <ul style="list-style-type: none"> – Assessment of pain – Principles of cancer pain control • Opioid & Non-opioid analgesic therapy

Subject	Hours	Content
		<ul style="list-style-type: none"> • Patient controlled analgesia (PCA) • Other invasive techniques of pain control • Psychological interventions in pain control • Non pharmacological interventions- Complementary therapies (Music, Massage, Meditation, Relaxation techniques, Biofeed back) • Alternative system of medicines Role of nurses
Unit XII	10	<p>❑ Other symptoms</p> <ul style="list-style-type: none"> • Nausea & vomiting, dysphagia • Dyspepsia & hiccup, dyspnoea • Constipation & diarrhea, intestinal obstruction, cancer cacehexia • Fungating wounds • Anxiety & depression, insomnia • Lymph edema
Unit XIII	5	<p>❑ Cancer Cachexia, Dysphagia,</p> <ul style="list-style-type: none"> • Xerostomia, Mucositis, • Taste alterations, nausea, weight electrolyte imbalances <p>Nurses role in nutritional assessment & management</p>

CLINICAL NURSING - II

Course Description

This course is developed to help the student to acquire knowledge and skill in providing comprehensive nursing care to patients with neoplastic conditions and various oncological emergencies. It further helps them to provide palliative care to oncological patients in various settings.

1. Course Objectives

At the end of the course, the student will be able to:

- a. Describe oncological disorders of various body systems
- b. Provide nursing care to adults and children suffering from various neoplastic conditions using nursing process approach.
- c. Describe the philosophy, concept and various dimensions of Palliative care.
- d. Identify the Psychosocial & Spiritual dimensions in cancer care.
- e. Appreciate the care of death and dying patients and the value of bereavement support.
- f. Appreciate relevance of home and hospice care

Course Content

Unit	Hours	Subject
Unit- I	8	<div><input type="checkbox"/> Tumors of the Brain and Central Nervous System<ul style="list-style-type: none">• Gliomas, pituitary tumors• Meningioma, pineal tumors• Metastasis brain tumor</div>

Subject	Hours	Content
		<ul style="list-style-type: none"> • Nursing Care of patients with brain tumors undergoing radiation therapy / chemotherapy / surgery
Unit- II	08	<p>☐ Head & Neck Cancers</p> <ul style="list-style-type: none"> • Cancers of Nasopharynx, Paranasal sinuses, oral cavity and oropharynx, • Cancers of larynx and hypopharynx • Tumors of salivary, • Orbit & eye • Neck dissections • Reconstructive surgery
		<ul style="list-style-type: none"> • Nursing care of patients undergoing head & neck surgery • Nurses role in rehabilitation
Unit- III	08	<p>☐ Tumors of Lung and Mediastinum</p> <ul style="list-style-type: none"> • Small cell Lung cancer & Non small cell Lung cancer • Neoplasms of the mediastinum and thymic neoplasms
		<ul style="list-style-type: none"> • Nursing care of patients undergoing radiation therapy/ chemotherapy/ surgery • Nursing Implications in intercostals drainage

Subject	Hours	Content
Unit- IV	08	<input type="checkbox"/> Cancer of the Breast <ul style="list-style-type: none"> • Screening, diagnosis & staging • Clinical features • Primary tumours of the breast • Treatment of Breast cancer • Nursing care of patients undergoing surgery/radiotherapy/Chemotherapy • Nurses' role in rehabilitation
Unit- V	10	<input type="checkbox"/> Gastrointestinal tumor <ul style="list-style-type: none"> • Oesophagus, stomach, liver, Pancreas and rectal cancers • Nursing care of patients undergoing surgery/radiotherapy/Chemotherapy • Care of ostomies
Unit- VI	08	<input type="checkbox"/> Genito urinary cancers <ul style="list-style-type: none"> • Cancers of kidney, ureter bladder, Prostrate, testis & penis • Nursing care of patients undergoing surgery/radiotherapy/Chemotherapy
Unit- VII	08	<input type="checkbox"/> Gynaecologic cancers <ul style="list-style-type: none"> • Cancer of cervix, endometrium, ovary, vulva & vagina.

Subject	Hours	Content
		<ul style="list-style-type: none"> • Nursing care of patients undergoing surgery/radiotherapy/Chemotherapy
Unit- VIII	08	<p>☐ Cancer of Thyroid & Adrenal glands</p> <ul style="list-style-type: none"> • Epidemiology, etiology, pathology, diagnosis & staging and treatment of cancer of Thyroid, parathyroid & Adrenal glands. • Nursing care, of patients undergoing surgery • Nursing implications in Radio iodine therapy
Unit- IX	05	<p>☐ Skin cancers</p> <ul style="list-style-type: none"> • Sarcoma of soft tissue and bone • Basal cell carcinoma • Squamous cell carcinoma • Malignant melanoma • Nursing care of patients undergoing surgery / radiationtherapy / chemotherapy
Unit- X	12	<p>☐ Leukaemia & Lymphoma</p> <ul style="list-style-type: none"> • Acute Leukemia • Chronic Leukemia • Hairy cell Leukemia

Subject	Hours	Content
		<ul style="list-style-type: none"> • Myelodysplastic Syndrome • Hodgkin's and Non-Hodgkin's Lymphoma • Nursing care in all types of leukemia & Lymphoma • Nursing implications in bone marrow depression
Unit- XI	05	<p>❑ Multiple Myeloma</p> <ul style="list-style-type: none"> • Etiology & risk factors • Clinical features, diagnosis & staging • Treatment & Prognosis • Management of complications • Nursing management
Unit- XII	8	<p>❑ Bone Marrow & Stem Cell Transplantation (BMT & PBST)</p> <ul style="list-style-type: none"> • Indications, procedure, principles & process of transplantation • Associated complications and management • Nursing Implications in BMT & PBSCT

Subject	Hours	Content
Unit-XIII	08	<input type="checkbox"/> Bone Cancers & Cancers & Soft tissue Sarcoma <ul style="list-style-type: none"> • Osteosarcoma, Chondrosarcoma • Fibrosarcoma, Ewing's sarcoma, Soft tissue sarcomas • Nursing care of patients undergoing surgery/ radiotherapy/chemotherapy • Nurses role in rehabilitation
Unit- XIV	15	<input type="checkbox"/> Oncological Emergencies <ul style="list-style-type: none"> • Disseminated intravascular coagulation (DIC), hyper calcemia • Malignant pleural effusion • Neoplastic cardiac tamponade & septic shock Spinal cord compression • Superior venacava syndrome. • Metabolic emergency • Surgical emergency • Urological emergency • Nurses role in managing oncologic emergencies
Unit- XV	12	<input type="checkbox"/> Pediatric Malignancies <ul style="list-style-type: none"> • Leukemia, Lymphoma, Neuroblastoma • Wilm's tumor, Soft tissue sarcoma, Retinoblastoma

Subject	Hours	Content
		<ul style="list-style-type: none"> • Nursing Management of children with Paediatric Malignancies
Unit- XVI	10	<p><input type="checkbox"/> Palliative care</p> <ul style="list-style-type: none"> • Definition & Scope, Philosophy • Concept & Elements of Palliative care • Global & Indian perspective of Palliative care • Quality of life issues • Communication Skill • Nursing perspective of Palliative care & its elements • Home care
		<ul style="list-style-type: none"> • Hospice care <p>Role of nurse in palliative care</p>
Unit- XVII	04	<p><input type="checkbox"/> Impact of cancer on sexuality</p> <ul style="list-style-type: none"> • Effect of Radiotherapy/ Chemotherapy/Surgery on Sexuality of the cancer patient. • Nursing management of cancer patients experiencing sexual dysfunction. • Sexual counseling

Subject	Hours	Content
Unit- XVIII	5	<input type="checkbox"/> Psychosocial, spiritual & ethical issues <ul style="list-style-type: none"> • Psychological reactions of patients with cancer • Spiritual/cultural care & needs • Ethics- definition, principles, euthanasia • Counseling skills, family counseling • Nursing interventions of Psychosocial problems
Unit XIX	5	<input type="checkbox"/> Care of the dying patient <ul style="list-style-type: none"> - Care of the terminally ill - Grief and grieving process - Bereavement support

SUPERVISION & MANAGEMENT, CLINICAL TEACHING, ELEMENTARY RESEARCH & STATISTICS

Total Hours: 90

Section-A	Supervision & Management	-30 HRS
Section-B	Clinical Teaching	-30 HRS
Section-C	Elementary research & Statistics	-30 HRS

Description:

This course is designed to develop an understanding of the principles of supervision and management, clinical teaching and research.

Objectives:

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

1. Describe Professional trends.
2. Describe role of nurse in management and supervision of nursing personnel in oncology units.
3. Teach nurses and allied health workers about oncology nursing.
4. Describe research process and perform basic statistical tests.
5. Plan and conduct research in oncology nursing

Subject	Hours	Content
UNIT I	20	<p>SUPERVISION & MANAGEMENT</p> <p>□ Management</p> <ul style="list-style-type: none"> • Definition & Principles • Elements of management of oncology care:-Planning, Organizing, Staffing, Reporting, Recording and Budgeting • Time, material & personnel • Layout and Design of an oncology ward, OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc <p>□ Clinical supervision</p> <ul style="list-style-type: none"> • Introduction, definition and objectives of supervision • Principles & Functions of supervision • Qualities of supervisors • Responsibilities of clinical supervisors • Practice Standards of oncology nursing <ul style="list-style-type: none"> - Policies and Procedures - Establishing Standing orders and Protocols • Orientation programme for new recruits

Subject	Hours	Content
		<ul style="list-style-type: none"> ❑ Quality Assurance Programme in oncology units <ul style="list-style-type: none"> • Nursing audit ❑ Performance Appraisal <ul style="list-style-type: none"> • Principles of performance evaluation • Tools of performance appraisal <ul style="list-style-type: none"> - Rating scales - Checklists - Peer reviews - Self appraisals ❑ Staff development <ul style="list-style-type: none"> • Introduction & purposes • In-service education • Continuing education
UNIT II	5	<ul style="list-style-type: none"> ❑ Professional trends <ul style="list-style-type: none"> • Introduction • Code of Ethics, code of professional conduct and practice standards of Nursing in India • Ethical issues in oncology nursing care • Expanding role of the nurse: Specialist nurse, Nurse Practitioner etc • Professional organizations

Subject	Hours	Content
UNIT III	5	<p>❑ Medico-Legal aspects</p> <ul style="list-style-type: none"> • Legislations and regulations related to oncology care, radiation safety, blood banking • Consumer Protection Act (CPA) • Negligence & Malpractice • Legal responsibilities of nurses <ul style="list-style-type: none"> - Case studies of judgment with regard to negligence of services in the Hospital • Medico legal aspects –euthanasia, organ donation • Records and Reports • Role of the nurse in Legal issues
UNIT IV	30	<p>❑ Teaching learning process</p> <ul style="list-style-type: none"> • Introduction and concepts • Principles of teaching and learning • Formulation of learning objectives • Lesson Planning • Teaching methods <ul style="list-style-type: none"> - Lecture - Demonstration, Simulation - Discussion - Clinical teaching methods - Micro teaching

Subject	Hours	Content
		<ul style="list-style-type: none"> - Self learning • Evaluation <ul style="list-style-type: none"> - Assessment of Students <ul style="list-style-type: none"> o Purposes o Type o Steps o Tools for assessing knowledge, skill and attitude • Use of media in teaching learning process
UNIT V	30	<p>□ Research</p> <ul style="list-style-type: none"> • Research and research process • Types of Research • Research Problem/ Question • Review of Literature • Research approaches and designs • Sampling • Data collection: Tools and techniques • Analysis and interpretation of data: • Communication and utilization of Research • Research priorities in oncology care

Subject	Hours	Content
		<input type="checkbox"/> Statistics <ul style="list-style-type: none"> • Sources and presentation of Data <ul style="list-style-type: none"> - qualitative and quantitative - Tabulation; frequency distribution, percentiles - Graphical presentation • Measures of central tendency-mean; median, mode • Measures of variance • Normal Probability and tests of significance • Co-efficient of correlation. • Statistical packages and its application • Preparing a research proposal
		<input type="checkbox"/> Application of computers

(i) Methods of Teaching:

- ❖ Lecture
- ❖ Demonstration & Discussion
- ❖ Supervised practice
- ❖ Seminar
- ❖ Role play
- ❖ Workshop
- ❖ Conference
- ❖ Skill training
- ❖ Simulations
- ❖ Field visits
- ❖ Research project

(ii) A.V Aids:

- ❖ Over head projector
- ❖ Slide Projector
- ❖ Black board
- ❖ Graphic Aids
- ❖ Programmed – Video shows
- ❖ Models & Specimens
- ❖ LCD projector
- ❖ Computer

ESSENTIAL CLINICAL/PRACTICAL ACTIVITIES

1. Patient Care Assignments
2. Writing of Nursing care plan for assigned patients
3. Writing case studies 5
4. Case presentations 5
5. Writing Observation report
6. Planned health teaching 5
7. Drug File on cancer chemotherapeutics
8. Group Project 1
9. Clinical teaching 3
10. Conduct bedside rounds
11. Prepare clinical rotation plan
12. Prepare clinical teaching plan for students
13. Perform clinical evaluation of students/staff
14. Unit management plan- Designing
15. Supervision techniques- Writing unit report, Performance appraisal, Guidance, Staff assignment, Material management
16. Maintenance of Records and Reports

ESSENTIAL ONCOLOGY NURSING SKILLS

Procedures Observed:

- (i) CT scan
- (ii) Computed Tomography
- (iii) MRI
- (iv) Ultra Sound

(iii) Methods of Assessment:

- ❖ Written examination
- ❖ Objective type
- ❖ Short notes
- ❖ Assignments
- ❖ Case studies/care notes
- ❖ Clinical presentation
- ❖ Seminars
- ❖ Project

- (v) Mammography
- (vi) Radio Nuclide Imaging
- (vii) Bone Scan
- (viii) Thyroid Function Tests
- (ix) Functional And Metabolic Imaging
- (x) Transportation of radioactive materials
- (xi) Others

Procedures Assisted:

- (i) Chemotherapy
- (ii) Radiotherapy- Brachytherapy -LDR, HDR, Interstitial Implantation
- (iii) Teletherapy/ Treatment planning/Simulation
- (iv) Bone marrow aspiration and biopsy
- (v) Advanced Cardiac life support
- (vi) Endotracheal intubation
- (vii) Defibrillation
- (viii) Ventilation
- (ix) Tracheostomy
- (x) Thoracentesis
- (xi) Paracentesis
- (xii) Lumbar Puncture
- (xiii) Arterial Blood Gas
- (vix) ECG Recording

- (xv) Nerve Block
- (xvi) IV cannulation – open method
- (xvii) Chest tube insertion,
- (xviii) Intercostal drainage
- (xix) CVP monitoring
- (xx) FNAC(Fine needle aspiration cytology)

Procedures performed:

- (i) Screening for cancer
- (ii) Assessment of pain
- (iii) Assessment of nutritional status
- (iv) Airway management
- (x) Application of Oro Pharyngeal Airway
- (vi) Care of Tracheostomy
- (vii) Conduct Endotracheal Intubation
- (viii) Cardiac Monitoring
- (ix) Setting of Ventilators
- (x) Cardio Pulmonary Resuscitation
- (xi) Gastric Gavage
- (xii) IV Cannulation
- (xiii) ECG
- (vix) Administration of emergency IV Drugs
- (xv) Care of surgical flaps
- (xvi) Care of Ostomies

- (xvii) Blood transfusion and component therapy
- (xviii) Care of dead body and mortuary formalities
- (xix) Alternative therapies
- (xx) Counseling
- (xxi) Administration of medications through Syringe and infusion pumps
- (xxii) Practice standard safety measures
- (xxiii) Pap smear
- (xxiv) Other Procedures:

