

Medical surgical Nursing

POST GRADUATE DEGREE STANDARD

UNIT I

Review of Nursing, process and application in various Clinical setting - Nursing History and assessment - Diagnosis, Planning, implementation and evaluation.

UNIT II

Health assessment and extended role of the Nurse - Taking and recording health histories - performance of basic physical and psycho social assessment of various system/parts of the body. - Head and Neck - Cardio thoracic system - gastro intestinal system - Reproductive system - genito urinary system - Integumentary system - Identification of abnormalities Diagnosis and treatment of minor illness. - role of nurse clinician.

UNIT III

Pathophysiological aspects of illness and common Nursing Problems - Infection control - Oxygen insufficiency - Fluid and electrolyte imbalance - Nutritional Problems - Haemorrhage and shock - Altered body temperature - Unconsciousness, sleep - Pattern disturbances - Pain, sensory deprivation - Pre and Post operation care - Rehabilitation, Cardio pulmonary resuscitation - Death and Dying, grief and grieving process.

UNIT IV

Gastro Enterology System: Nursing process and trends pertaining to care of patients with disturbance of gastro intestinal function - Mouth and Oesophagus - Stomatitis, Glossitis, parotitis, Oesophagitis, neoplasm - Stomach and duodenum - gastro enteritis, regional enteritis, peritonitis, hemorrhoids and fistula.

Nursing process and trends pertaining to care of patients with disturbances of the liver, biliary tract and pancreas. Liver, Hepatitis, Cirrhosis of liver, portal hypertension, Neoplasms - Gall Bladder - Cholecystitis and cholelithiasis. Pancreas: pancreatitis, Carcinoma.

UNIT V

Nursing process and trends pertaining to care of patients with disturbances of endocrine & metabolic function.

Pancreas - Diabetis mellitus - Thyroid, simple and toxic goitre - cretinism - Myxoedema - Parathyroid - tetany - Adrenals - Addison's disease, Cushings syndrome Pituitary - Diabetes insipidus.

UNIT VI

Nursing process and trends pertaining to care of patients with orthopaedic conditions.

Nursing history, assessment, investigations-congenital deformities - Infections of bones and joints - osteomyelitis (acute and chronic). Arthritis - Rheumatoid, degenerative gout and ankylosing spondylitis. Common painful conditions in adults - low back pain, bursitis, disabilities of the feet. Trauma to bones, joints and ligaments, sprains, dislocations and fractures. Disease of brain, spinal cord and nerves; poliomyelitis, Cerebral Palsy and spina bifida, myasthenia gravis. Tumors of the bones and joints, joint reconstructive surgery, synovectomy and amputations. Paraplegia, Nutritional disorders of the skeleton Physio, occupational and rehabilitation therapies.

UNIT VII

Nursing process and trends pertaining to care of patients with disturbances of special sense organs. Assessment of vision, general management and care of eye disorders. Inflammation of the eye. Foreign bodies. Physical and chemical injuries. Keratomalacia, Cataract, glaucoma, surgical conditions, recent

developments. Ear, Nose, Throat Assessment of sensory function. General management and care of E.NT disorders. Recent development.

UNIT VIII

Nursing process & trends pertaining to care of patients with disturbances in reproductive functions. Female reproductive functions - Menstrual abnormalities - Infertility and Sterility - Infection and inflammation - endometriosis - Neoplasms - Vaginal fistula - Uterine displacement - Breast cancer. Male Reproductive functions: Infertility - Prostatic hypertrophy - Neoplasms - Infection & inflammation - Hydrocele.

UNIT IX

Nursing process and trends pertaining to care of patient with disturbances in skin functions. Allergic disorders, Infections - scabies, dermatitis, Pyoderma, herpes, Eczema, Ulcers and Neoplasms, Pemphigus, Pemphigoid.

UNIT X

Nursing processing and trends pertaining to care of patients with communicable and sexually transmitted disease. Extent of National Problems. Bacterial - Tuberculosis - Typhoid - tetanus - gas gangrene - dysenteries - diphtheria - cholera - leprosy - Gonorrhoea - spirochaetal syphilis - Viral - Influenza - poliomyelitis - lympho granuloma and venereum granuloma. Protozoal - Malaria, Amoebiasis, filariasis. Disorders of immune system - HIV/AIDS - Recent developments. Nursing care pertaining to patient during and after anaesthesia. Types - General, Spinal, Local, Others Care of patients.

PAPER-II

CLINICAL SPECIALITY

- 1 Coronary and Cardio thoracic Nursing
- 2 Haematology
- 3 Vascular Medicine & Surgery
- 4 Oncology
- 5 Neurology
- 6 Urology
- 7 Nephrology
- 8 Plastic and reconstructive surgery
- 9 Critical care Nursing
- 10 Nursing Emergency & Disaster Nursing

UNIT I

Nursing Process and trends pertaining to patient with Coronary & Cardio thoracic surgical nursing conditions: - Nursing history and assessment of a cardiac patient Invasive and Non Invasive Cardiac Investigations Congenital heart Diseases - Acquired Valvular diseases, Endocarditis, myocarditis, pericarditis, cardiomyopathy Coronary artery disease - coronary arteriosclerosis, Angina pectoris, myocardial infarction. CCF, - Arrhythmias, - heart blocks - Cardiac surgeries - Open & Closed - recent advances in cardio thoracic surgeries - Infections and Inflammations of the Respiratory system - COPD, Pulmonary embolism, pulmonary hypertension, lung abscess, lung cancer - chest trauma - Bronchial and Cardiac asthma - Occupational lung disease. Thoracic Surgery - Respiratory emergencies, mechanical ventilators & monitoring devices. Management of Organisation for CCU, Cardiac emergencies.

UNIT II

Nursing process pertaining to care of patient with Hematologic disorders. Anaemia - polycythaemia - haematopoietic - malignancies - Leukaemias, lymphomas, SLE, multiple myeloma, bleeding disorders.

UNIT III

Nursing process and trends pertaining to care of patients with vascular disorders and problems of peripheral circulation.

Nursing history, assessment and investigation. Diseases of arteries, hypertension aneurysms, TAO, Raynaud's disease. Disorders of veins, varicose veins, arterio-venous anomalies. Disorders of the

lymphatic system.

UNIT IV

Nursing process and trends pertaining to care of patients with cancer.

Epidemiology, Early detection methods, Carcinogenesis, Diagnosis, treatment and nursing care of major cancers. 1 Lung

2 Breast

3 Stomach and colon

4 Leukemias

5 Lymphomas

6 Cervix and Uterus cancer

7 Prostate

8 Brain

9 Childhood cancers

10 Others related to specific population

New advances in Cancer management.

UNIT V

Nursing process and trends pertaining to care of patients with neurologic conditions:-

Nursing history and investigations - Head injuries - space occupying lesions - Degenerative disorders -

Epilepsy - C.V.A - Infectious processes - neurological trauma - Physio therapy, occupation and rehabilitation therapies.

UNIT VI

Nursing process and trends pertaining to patients with Urologic conditions.

Urethral inflammations and infections - calculi - neoplasms - prostatic hypertrophy - renal transplantation - Hydrocele - Infertility.

UNIT VII

Nursing process and trends pertaining to patients with renal disorders.

Nursing history, assessment and investigations - Urinary tract infections - Acute and Chrononic Glomerulo

Nephritis - Nephrotic syndrome - Tuberculosis of the Kidney - Renal abscess Diabetic Nephropathy -

Acute and Chronic renal failure Hemodialysis, Peritoneal dialysis.

UNIT VIII

Nursing process and Trends pertaining to patients with Plastic and Reconstructive surgery.

The scope of plastic and reconstructive surgery. Skin grafts, flaps and micro vascular surgery Cleft lip and Cleft palate, Cosmetic Surgery, Burns.

UNIT IX

Nursing Process and Trends pertaining to critical care nursing.

Organisation of a critical care unit - legal aspects of critical care - physical assessment of critically ill patients - emotional response in critical illness (families with crisis, dealing with death and dying) - Safety and infection control in critical care units - fluid and electrolyte balance in critically ill patients - critical care of patients with respiratory problems as Air-way and Ventilatory management - ARDS, COPD, Pulmonary embolism. Critical care nursing management of patients with Cardio vascular disorders. - CAD, CCF, Pulmonary oedema, patients undergoing closed and open heart surgery - Advanced cardiac life support (ACLS) - Critical care nursing management of patients with Neurologic conditions as: Head injury - intra cranial tumours - CVA - Guillain Barre Syndrome. - Critical care nursing management of other emergencies: Thyroid crisis - Myxoedema coma - Diabetic keto acidosis - Addisonian crisis - Myasthenic crisis- G.I. Bleeding - DIC poisoning - Shock - polytrauma.

UNIT X

Nursing process and trends pertaining to Emergency and Disaster nursing.

Principles and concepts of emergency and disaster nursing - Organization of man, material and facilities - care of patients with poisoning - corrosive and non corrosive poisons - inhalation of poisons - poisonous

bites and stings - alcohol intoxication.

Care of patients with problems of temperature regulation. Hyperthermia - heat stroke, sun stroke, heat syncope. Hypothermia - frost bite, chill blains.

Natural disasters - definition, types disaster preparedness, training of volunteers management of disaster victims and families in floods, fire, earthquakes, Cyclone, Industrial accidents, Nuclear disasters, Air, Rail and Road disasters, Drowning