

Integral University, Lucknow
Department of Nursing
EVALUATION SCHEME
G.N.M. 2nd Year

| S. No. | Subject Code | Name of Subject | Type of Paper | Evaluation Scheme | | |
|--------------|--------------|------------------------------|---------------|-------------------|------------|------------|
| | | | | IA | EA | Total |
| 1 | NR Y 201 | Medical Surgical Nursing-I | Theory | 25 | 75 | 100 |
| 2 | NR Y 202 | Medical Surgical Nursing-II | Theory | 25 | 75 | 100 |
| 3 | NR Y 203 | Mental Health Nursing | Theory | 25 | 75 | 100 |
| 4 | NR Y 204 | Child Health Nursing | Theory | 25 | 75 | 100 |
| 5 | NR Y 205 | Medical Surgical Nursing Lab | Practical | 50 | 50 | 100 |
| 6 | NR Y 206 | Child Health Nursing Lab | Practical | 50 | 50 | 100 |
| 7 | NR Y 207 | Mental Health Nursing Lab | Practical | 50 | 50 | 100 |
| 8 | NR Y 208 | Clinical Posting | Clinical | 50 | 50 | 100 |
| Total | | | | 300 | 500 | 800 |

IA = Internal Assessment

EA = External Assessment

MEDICAL SURGICAL NURSING-I

(NRY 201)

Placement:- Second Year

Time: – 120 Hours

Course Description

This course shall help students understand the concept of disease and disease process, students shall be able to gain knowledge and develop understanding of various medical, surgical disorders and disease. They shall be able to give comprehensive nursing care to patient with these diseases

General Objectives

Upon completion of this course, the students shall be able to:

1. Describe the cause, symptoms, treatment and prevention of Medical Surgical Nursing
2. Demonstrate skill in carrying out nursing technique and procedures with the applicant of scientific principles
3. Discuss nursing process and provide nursing care to patients with medical surgical / diseases

Unit No. I

Learning Objective:

Explain the history of modern Medicine and Surgery

Content:

Introduction

- a) Brief history of evolution of modern medicine and surgery
- b) Theories of illness and its caution – Illness as human experience
- c) Review of Nursing process and Nursing care plan

Learning Objective:

Demonstrate skill in conducting health assessment and physical examination

Content:

Nursing Assessment

- a) Health assessment
 - Health history
 - Physical examination

- Nutritional assessment
- General clinical investigations \

Learning Objective:

Describe the pathophysiological mechanism of diseases

Content:

Pathophysiological mechanism of diseases

- a) Stress adaptation stressors, management, Nursing interventions
- b) Inflammation
- c) Defense against injury
- d) Nutritional consideration

Learning Objective:

Demonstrate skill in providing nursing care to patients with altered immune response

Content:

Altered Immune Response

- a) Overview of normal immune system
- b) Altered immune response, hypersensitivity and allergy
- c) Assessment of immune system
- d) Diagnostic evaluation
- e) Allergy disorders:
 - Anaphylaxis
 - Allergic rhinitis
 - Contact dermatitis
 - Atopic dermatitis
 - Drug reactions
 - Food allergy
 - Serum sickness
 - Latex allergy
- f) Approaches to treat allergic diseases
- g) Nursing management client with altered immune response
- h) Auto immune disease
 - Rheumatoid arthritis
 - SLE
 - Ankylosing spondylitis
 - Graft versus host disease

Learning Objective:

Demonstrate skill in management of client with fluid and electrolyte imbalance

Content:**Fluid and electrolyte balance and imbalance**

- a) Water contents of body, electrolyte and acid
 - Base balance
- b) Homeostasis
- c) Review mechanism of regulating fluid and electrolyte movement
- d) Fluid and electrolyte Acid-Base imbalance and its management

Learning Objective:

Describe physical set up of OT and its equipments. Demonstrate skill in theatre techniques

Content:**Operation theatre techniques**

- a) Physical Environment
 - Operation theater room – cleaning of tables, trolleys, lights and other equipments
 - Pre-operative holding areas
- b) Theatre Technique
 - Scrubbing – hand washing
 - Gowning
 - Gloving
 - Positioning of patient for various surgical procedures
 - Draping of patient
- c) Preparation of theatre, equipment and supplies
 - Cleaning
 - Needles, sutures – types and their uses
 - Carbolization, ETO sterilization, fumigation, OT swab, Bacillocid sterilization
 - Packing and sterilization of dressing, linen rubber ware suture material, instruments, needle sand other materials

Unit No. II**Learning Objective:**

Demonstrate skill in preparing the client for surgery

Recognize and perform the role of nurse during surgery

Demonstrate skill in giving care to clients after surgery (post-operative care)

Content:

Management of patient undergoing surgery

- a) Pre operative preparation and care
 - Physical
 - Psychological
 - Pre-medications
 - Legal and ethical
- b) Intra operative management
 - Surgical Team
 - Nursing activities and responsibilities
 - Anesthetic agent
 - Role of nurse in anesthesia
- c) Post operative management
 - Immediate care
 - Transferring patient from operation theatre
 - Patient in recovery room
 - Recovery from Anesthesia
 - Post operative observation and nursing management
 - Carry out the post operative orders
 - Post operative complication observation, prevention & management

Learning Objective:

Demonstrate skill in nursing management of client with impaired respiratory function and gaseous exchange

Content:

Nursing management of patient with impaired respiratory function and gaseous exchange

- a) Assessment of respiratory function
 - History
 - Physical examination
 - Diagnostic evaluation
- b) Care of patient in respiratory intensive care and ventilator care and respiratory function
- c) Management of patient with disorders of upper respiratory airway
 - Obstruction of upper airway
 - Epistaxis
 - Sinusitis

- Pharyngitis
 - Tonsillitis
 - Laryngitis
 - Deviated nasal septum
- d) Management of patient with disorders of the chest and lower respiratory tract
- e) Management of patient with impaired Lung abscess
- Empyema
 - Bronchial asthma
 - COPD
 - Pneumothorax
 - Pneumonia
 - Bronchitis
 - Bronchiectasis
 - Trauma
 - Pulmonary Tuberculosis / DOTS
 - Pulmonary embolism
 - Pulmonary edema
 - Lung tumors
 - Disorders of pleura and pleural space
 - Lung surgery
 - Respiratory failure
 - Acute respiratory distress syndrome
 - SARS
- f) Alternate therapies
- g) Drugs used in treatment of disorder of respiratory system

Unit No. III

Learning Objective:

Describe the various gastro intestinal disorders

Demonstrate skill in providing care for clients with gastro intestinal disorders

Content:

Nursing management of patient with gastro intestinal disorders

- a) Assessment of gastro intestinal function
- History
 - Physical examination
 - Diagnostic evaluation
- b) Management of upper gastrointestinal disorders

- Parotitis
 - Stomatitis
 - Glossitis
 - Gingivitis
 - Pyorrhea
 - Dental caries
 - Halitosis
 - Dysphagia
 - Achalasia
 - Gastro Esophageal Reflux Disease (GERD)
 - Cancer of esophagus
 - Hiatus hernia
 - Gastritis
 - Gastritis and duodenal ulcers
 - Gastric cancer
 - Gastroenteritis
 - Esophageal fistula
 - Peritonitis
- c) Care of patient with gastro intestinal intubation and special nutritional management
- d) Management of patient with lower gastro intestinal disorders
- Helminthiasis
 - Constipation
 - Diarrhea
 - Fecal incontinence
 - Irritable Bowel Syndrome (IBS)
 - Appendicitis
 - Diverticular disease
 - Crohn's disease
 - Ulcerative colitis
 - Intestinal obstruction
 - Colitis
 - TB abdomen
 - Colorectal cancer
 - Polyps of colon and rectum
 - Ano rectal abscess
 - Anal fistula and fissure
 - Hemorrhoid
- e) Alternate therapies
- f) Drugs used in treatment of GI disorders

Unit No. IV

Learning Objective:

Describe the management of patients with metabolic and endocrinal disorders.

Demonstrate skills in caring for the clients with metabolic and endocrinal disorders

Content:

Nursing management of patient with metabolic and endocrinal disorders

- a) Assessment of Hepatic and biliary functions
 - History
 - Physical examination
 - Diagnostic measures
- b) Management of patients with hepatic disorders
 - Jaundice
 - Hepatic cirrhosis
 - Portal hypertension
 - Ascites
 - Hepatic Encephalopathy and coma
 - Viral hepatitis
 - Tumors and cyst of liver
 - Liver abscess
- c) Management of patients with biliary disorders
 - Cholecystitis
 - Cholelithiasis
 - Choledocolithiasis
 - Acute and chronic pancreatitis
 - Cancer of pancreas
- d) Assessment of Endocrinal function
 - History
 - Physical examination
 - Diagnostic evaluation
- e) Management of endocrinal disorders
 - Pituitary disorders
 - Thyroid disorders
 - Hyperthyroidism
 - Hypothyroidism
 - Thyroid tumors
 - Goiter

- Parathyroid disorders
 - Pancreas disorders
 - Diabetes mellitus
 - Adrenal disorders
 - Pheochromocytoma
 - Addison's disease
 - Cushing's syndrome
 - Tumors of the endocrine glands
- f) Alternate therapies
- g) Drugs used in treatment of metabolic and endocrine disorder

Learning Objective:

Describe the management of clients with urinary and renal disorders

Demonstrate skills in giving care of client with urinary and renal disorders

Content:

Nursing management of renal and urinary disorders

- a) Assessment of renal and urinary functions
- History
 - Physical examination
 - Diagnostic evaluation
- b) Management of patients with renal and urinary disorders
- Urinary retention and incontinence
 - Urinary tract infection
 - Acute and chronic glomerulonephritis
 - Pyelonephritis
 - Urolithiasis
 - Renal calculi
 - Trauma of kidney, bladder, urethra, ureters
 - Urinary strictures TB of urinary tract
 - Neurogenic bladder dysfunction
 - Renal cyst and renal abscess
 - Nephrotic syndrome
 - Acute and chronic renal failure
 - Uremia
 - Acute and chronic nephrosis
 - Tumor – benign and malignant
 - Care of patient on hemodialysis and peritoneal dialysis

- Care of patient with renal transplant
- c) Assessment of male Genitourinary function
 - History
 - Physical examination
 - Diagnostic evaluation
- d) Disorders of male genito urinary tract and its management
 - Hydrocele
 - Phimosis
 - Benign and malignant prostatic
 - Hypertrophy
 - Orchitis
 - Epididymoorchitis
 - Cancer penis
- e) Alternate therapies
- f) Drugs used in treatment of renal and urinary disorders

Unit No. V

Learning Objective:

Describe the nursing management of clients with Neurological disorders

Demonstrate skills in giving nursing care to clients with Neurological disorders

Content:

Nursing management of patients with neurological disorders:

- a) Assessment Neurological functions
 - History
 - Physical examination
 - Diagnostic evaluation
- b) Management of patients with neurologic dysfunctions
 - Altered level of consciousness
 - Increased intracranial pressure
 - Intracranial surgery
- c) Management of patients with neurological disorders
 - Headache
 - Migraine
 - Seizures
 - Epilepsy
 - Status Epileptics
 - Cerebrovascular disorder – CVA

- Neurological trauma – head, brain, spinal cord, subdural and extradural hematoma
- Neurologic infection
 - Meningitis
 - Brain abscess
 - Encephalitis
- Degenerative disorders
 - Multiple sclerosis
 - Myasthenia gravis
 - Guillain – Barre syndrome
 - Parkinsonism
 - Alzheimer disease
- Neuralgia
- Bell’s Palsy
- Peripheral neuropathies
- Brain and spinal cord tumors
- Huntington’s disease
- Muscular Dystrophies
- Herniation of the intervertebral disc

d) Alternate therapies

e) Drugs used in treatment of neurological disorders

Learning Objective:

Describe the management of clients with connective tissue and collagen disorders

Demonstrate skills in providing nursing care to clients with connective tissue and collagen disorders

Content:

Nursing management of patients with Connective Tissue and Collagen Disorders

a) Assessment

- History
- Physical examination
- Diagnostic measures

b) Management of patients with disorders of connective tissue and collagen disorders

- Rheumatoid
- Systemic Lupus Erythematosus (SLE)
- Scleroderma
- Polymyositis
- Osteoarthritis

- Ankylosing Spondylitis
 - Gout
 - Fibromyalgia
- c) Alternate therapies
- d) Drugs used in treatment of connective tissue and collagen disorders

Learning Objective:

Describe the nurse's role in promoting wellness for elderly

Demonstrate skills in providing nursing care for elderly clients

Content:

Nursing management of the elderly

- a) Assessment of the elderly
- Ageing process
 - Helping and care of elderly in promoting wellness and self care
- b) Conditions associated with ageing
- Dementia
 - Osteoporosis
 - Incontinence – urinary
 - Sensory deprivation
- c) Home and institutional care

MEDICAL SURGICAL NURSING-II

(NRY 202)

Placement:- Second Year

Time: – 120 Hours

Course Description

This course shall help students understand the concept of disease and disease process, students shall be able to gain knowledge and develop understanding of various medical, surgical specialty disorders and disease. They shall be able to give comprehensive nursing care to patient with these diseases

General Objectives

Upon completion of this course, the students shall be able to:

1. Describe the cause, symptoms, signs, treatment and prevention of disease classified under medical surgical specialties
2. Demonstrate skill in carrying out nursing technique and procedures with the application of scientific principles
3. Prepare nursing care plan using nursing process and apply it in provide care to patient with these disease

Unit No. I

Learning Objective:

Describe the management of patient with oncology

Content:

Oncology Nursing:

- a) Nursing management of patients with oncological conditions
 - Structure & characteristics of normal & cancer cells
 - Nursing Assessment – History physical assessment
 - Prevention, screening, early detection, warning signs of cancer
 - Epidemiology, Etiology, Classification, Pathophysiology, staging, clinical manifestations, diagnosis, treatment modalities and medical surgical nursing management of oncological conditions
 - Common malignancies of various body system: Oral, Larynx, Lung, Stomach and Colon, Liver, Leukemias and Lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder and Prostate etc.

- b) Oncological emergencies
- c) Modalities of treatment
 - Immunotherapy
 - Radiotherapy
 - Surgical interventions
 - Stem cell and Bonemarrow transplants
 - Gene therapy
 - Other form of treatment
- d) Psychosocial aspects of cancer
- e) Rehabilitation
- f) Palliative care: symptoms and pain management, nutritional support
- g) Home care
- h) Hospice care
- i) Stomal therapy
- j) Special therapies
- k) Psycho social aspects
- l) Nursing procedures
- m) Alternate therapies
- n) Drugs used in treatment of oncological disorders

Learning Objective:

Describe the disorders of breast and breast cancer

Demonstrate skill in giving nursing care to patients with breast disorders

Content:

Nursing management of patients with disorders of breast

- a) Assessment of breast
 - History
 - Physical examination
 - Diagnostic tests
 - Breast self examination
- b) Disorders of breast
 - Mastitis
 - Breast abscess
 - Gynaecomastia
 - Tumors and malignancy of breast
- c) Nursing management of a patient after mastectomy

Learning Objective:

Describe the various diseases and disorders of integumentary system and their management

Demonstrate skill in providing care to the clients with disorders of integumentary system

Content:**Nursing management of patient with diseases and disorders of integumentary**

- a) Nursing assessment
 - History
 - Physical assessment
- b) Etiology
- c) Pathophysiology
- d) Clinical manifestations
- e) Nursing management of disorders of skin and its appendages
 - Lesions and abrasions
 - Infection and infestations dermatitis
 - Dermatoses; infectious and non infectious
 - Inflammatory dermatoses
 - Acne Vulgaris
 - Allergies and Eczema
 - Psoriasis
 - Malignant Melanoma
 - Alopecia
 - Infestation
 - Bacterial infections
 - Pyoderma
 - Impetigo
 - Folliculitis
 - Furuncles
 - Carbuncles
 - Viral infections
 - Herpes zoster
 - Herpes simplex
 - Fungal infection
 - Athlete's foot (Tanta Pedi's)
 - Parasitic infection

- Pediculosis
 - Scabies
 - Pemphigus
 - Stevens – Johnson syndrome
 - Skin cancer
 - Special dermatological therapies
- f) Burn and its management
- Burns plastic surgery
 - Incidence, causes of burns
 - Types & classification of burns
 - Pathophysiology
 - Calculation of the percentage
 - Local & systematic effects of burns
 - Immediate care
 - First aid care
 - Medical management, barrier nursing care of the burns
 - Complications, Health education
- g) Plastic Surgery
- Define plastic & reconstructive surgery
 - Types
 - Define skin graft flaps
 - Possible complication
 - Preparation of patient for constructive surgery
 - Post operative care
 - Health education
- h) Alternate therapies
- i) Drugs used in treatment of integumentary disorders

Unit No. II

Learning Objective:

Describe the disorder and diseases of eye

Demonstrate skill in giving care for patients with various eye diseases and disorders

Content:

Ophthalmology and Ophthalmic Nursing

- a) Review of anatomy and physiology of eye
- b) Assessment of function of eyes

- History
- Physical exam
- Diagnostic test – tonometry, Snellen's chart
- c) Infections and inflammations conditions
 - Blepharitis
 - Stye
 - Chalazion
 - Entropion
 - Ectopion
 - Dacrocystitis
 - Conjunctivitis
 - Trachoma
 - Pterygium
 - Keratitis
 - Corneal ulcer
- d) Degenerative Conditions
 - Cataract
 - Retinopathy
 - Retinal detachment
- e) Miscellaneous
 - Strabismus
 - Refractive errors
 - Tumors
 - Color blindness
 - Night blindness
 - Total blindness
- f) Preventive and Rehabilitative aspects
- g) National programme on blindness and trachoma
- h) Current trends in management of Ophthalmic conditions
 - Hospital corneal retrieval
 - Grief counseling
 - Eye collection
 - Counseling
 - Obtaining consent for eye donation
- i) Eye banking in India
- j) Ocular emergencies
 - Glaucoma
 - Foreign body
 - Acid / Alkali burns

- Trauma to the eye
- k) Eye irrigation
- l) Instillation of eye drops and ointment
- m) Cold and hot compress
- n) Eye dressing and bandage
- o) Assisting for ear syringing
- p) Assisting for removal of foreign body
- q) Alternate therapies
- r) Drugs used in treatment of eye disorders

Learning Objective:

Describe disorder and diseases of ear, nose and throat

Demonstrate skill in providing nursing care for patients with various ENT problems

Content:

Nursing management of patient with disorders and diseases of Ear, Nose and Throat

Ear:

- a) Review of Anatomy and Physiology of ear
- b) Assessment of function of ear
 - History
 - Ear examination
 - Diagnostic tests
- c) Diseases and disorders of the ear

External ear

- Otitis
- Foreign body
- Impacted cerumen
- Furunculosis

Middle ear

- Otitis media
- Mastoiditis
- Perforation of ear drum

Internal ear

- Presbycusis
- Labyrinthitis
- Meniere's disease
- Otosclerosis

Deafness

- Conductive deafness
- Neural deafness

Tumors of the ear and auditory nerve insufflations of Eustachian tube

Nose:

- a) Review of Anatomy and Physiology of nose
- b) Assessment of function of nose
 - History
 - Examination of nose
 - Diagnostic tests
- c) Diseases and disorders of the nose

Infection

- Rhinitis
- Sinusitis
- Obstruction
- Polyps

Foreign body

Deviated nasal septum

Trauma – fracture of nasal bone and epistaxis

Throat

- a) Review of Anatomy and Physiology of throat
- b) Assessment of function of throat
 - History
 - Examination of throat
 - Diagnostic tests
- c) Diseases and disorders of throat infections and inflammation
 - Tonsillitis
 - Pharyngitis
 - Adenoiditis
 - Laryngitis
 - Tumors
 - Injury and foreign body
 - Alternate therapies
 - Drugs used in treatment of ENT disorders

Unit No. III

Learning Objective:

Describe cardiovascular circulatory and hematological disorders and diseases

Demonstrate skill in carrying nursing interventions for clients with circulatory and hematological disorders and diseases

Content:

Nursing management of patient with cardio vascular, circulatory and hematological disorders

Cardio Vascular

- a) Review of anatomy and physiology of heart and circulatory system
- b) Assessment of functions of heart and vascular system
 - History
 - Physical exam
 - Diagnostic tests
- c) Diseases and disorders of cardio vascular system
 - Coronary Artery disease
 - Arrhythmia
 - Coronary Artery disease
 - Angina pectoris
 - Coronary Atherosclerosis
 - Myocardial infraction
 - Valvular heart disease
 - Mitral Stenosis
 - Aortic Stenosis
 - Incompetence, regurgitation
 - Tricuspid Stenosis
 - Pulmonary Stenosis
 - Inflammation and infections
 - Pericarditis, Myocarditis, Endocarditis
 - Rheumatic fever
 - Heart block
 - Complication of heart disease
 - Acute heart Failure (Pulmonary Edema)
 - Chronic (Congestive Cardiac Failure)
 - Cardiogenic shock

- Pericardial effusion, cardiac tamponade
- Cardiac emergencies
 - Cardiac arrest
 - Shock
- Vascular disorders
 - Arterial disorders
 - Berger's disease (TAO)
 - Arterial ulcers
 - Arteriosclerosis
 - Aneurysm
 - Thrombosis and emboli
 - Raynaud's disease
 - Hypertension
- Venous disorder
 - Deep vein Thrombosis
 - Venous insufficiency
 - Venous ulcer
 - Varicose vein
 - Cellulitis
 - Lymphatic disorders
 - Lymphangitis & Lymphadenitis
 - Lymphedema & elephantiasis

Hematological Disorders

- a) Review of function and structure of blood components
 - Assessment
 - History
 - Physical examination
 - Diagnostic tests
- b) Diseases and disorders of blood and its components
 - Anemia
 - Thalassemia
 - Polycythemia
 - Leukopenia and Neutropenia
 - Leukocytosis & Leukemia
 - Lymphomas Hodgkin & Non Hodgkin diseases, Multiple Myeloma
 - Bleeding disorders
 - Thrombocytopenia

- Purpura, hemophilia
 - Acquired coagulation
 - Disorders – Liver disease, Vitamin K deficiency, DIC
- c) Alternate therapies
- d) Drugs used in treatment of cardiovascular circulatory and hematology disorders

Unit No. IV

Learning Objective:

Describe the nursing management of patients with communicable diseases

Demonstrate skill in providing interventions for patients with communicable the nurse's role in various national control / Eradication Programme of communicable diseases

Content:

Nursing management of patients with communicable diseases

- a) Assessment
- History
 - Physical examination
 - Diagnostic tests
- b) Review of infection, mode of transmission, its prevention and control
- c) Preparation, care and admission of anti sera and vaccines isolation
- d) Management of various infection diseases

Caused by Virus;

- Measles
- Chicken pox
- Swine flu
- Ebola
- Dengue
- Chicken guinea
- Influenza
- Mumps
- Encephalitis
- Infective hepatitis
- Poliomyelitis
- Rabies
- AIDS

Caused by Bacteria;

- Diphtheria

- Whooping cough
- Tetanus
- Typhoid
- Dysentery
- Gastroenteritis
- Cholera
- Meningococcal Meningitis
- Tuberculosis
- Plague
- Leptospirosis

Vector borne diseases;

- Malaria
- Filariasis
- Yellow fever
- Dengue
- Any other prevailing diseases

e) Alternate therapies

f) Drugs used in treatment of communicable disorders

Learning Objective:

Describe various sexually transmitted diseases

Demonstrate skills in syndromic management of sexually transmitted diseases

Content:

Nursing management of patients with sexually transmitted diseases

a) Assessment

- History
- Physical examination
- Diagnostic tests

b) Sex health and hygiene

c) Syndromic management of sexually transmitted disease

- Gonorrhea
- Syphilis
- Granuloma Venerium
- Chancroid granuloma
- AIDS
- Genital herpes

Learning Objective:

Describe various musculo skeletal disorders and diseases

Demonstrate skills in management of musculo skeletal diseases

Content:**Nursing management of patients with musculo skeletal disorders and diseases**

- a) Review of anatomy and physiology of musculo skeletal system
- b) Assessment
 - History
 - Physical examination
 - Diagnostic tests
- c) Infections and inflammations
 - Septic arthritis
 - Gonococcal arthritis
 - Osteomyelitis
 - Tuberculosis of the spine and bones
 - Sprains
 - Dislocations
 - Fracture of spine and extremities
- d) Degenerative conditions of joints, spine
- e) Tumors, Amputation and prosthesis
- f) Deformities – Congenital and acquired
- g) Range of motion exercise
- h) Care of patient:
 - Skin and skeletal
 - Orthopedic splints
- i) POP application and removal
- j) Neurogenic bladder
- k) Preparation for bone surgery
- l) Use of orthopedic assist devices
 - Crutches
 - Canes
 - Walker
- m) Alternate therapies
- n) Drugs used in treatment of musculo skeletal disorders

Unit No. V

Learning Objective:

Describe role of nurse in medical surgical emergencies

Demonstrate skills in meeting medical surgical emergencies

Content:

Emergency Management

- a) Scope and practice of emergency nursing
 - Principles of emergency care
 - Triage
- b) Medical surgical emergencies
- c) Airway obstruction
 - Hemorrhage
 - Shock, Anaphylactic reaction, Allergies
 - Trauma – intra abdominal, crush injuries, multiple injures fracture
 - Poisoning
 - Ingested poisoning
 - Inhaled poisoning
 - Food poisoning
 - Injected poisons – stinging insects
 - Snake bites Chemical burns
 - Environmental emergencies
 - Heat stroke
 - Frost bite
 - Near drowning
 - Hanging

Learning Objective:

Identify the role of nurses in emergency and disaster

Demonstrate beginning skill in managing the emergencies disaster

Content:

Emergency and Disaster Nursing

- a) Natural calamities
 - Food

- Earthquake
- Volcanic eruptions
- b) Man – made disaster
 - Explosion
 - War
 - Fire
 - Accidents
- c) Emergency preparedness
- d) Community resources available to meet calamities
- e) Nurses role in disaster management

MEDICAL SURGICAL NURSING-PRACTICAL

(NRY 205)

Placement:- Second Year

Time: – 800 Hours (20 weeks)

General Objectives:

Students are able to apply nursing process and provide comprehensive nursing care to the clients with various medical and surgical conditions

Specific objectives; students are able to;

1. Comprehend the causes, signs and symptoms, treatment and prevention of various medical, surgical condition
2. Apply the theoretical knowledge to appropriate clinical nursing practice
3. Identify the problems and needs, prioritize them and provide comprehensive nursing care by applying nursing process
4. Demonstrate skills in carrying out nursing techniques, procedures in keeping with scientific principles
5. Demonstrate skills in respective clinical specialty
6. Interpret and carry out the pharmacological intervention
7. Identify the deviation from normal in the diagnostic value
8. Plan and participate in rehabilitation of patient and family

Area General medical wards (RESP., GI, Endo., Hemato., Neuro., Renal)

Duration: 3 Weeks

Objectives:

- Provide nursing care to adult patients with medical disorders
- Counsel and educate patients and family

Skills:

- Assessment of patient
 - Take history
 - Perform general & specific physical examination
 - Identify alterations and deviations
- Practice medical surgical asepsis standard safety measures
- Administer medications
 - Oral
 - Sub-lingual

- Intra-dermal
- Subcutaneous
- Intramuscular
- Intravenous
- Intravenous therapy
 - IV canulation
 - Maintenance & monitoring
- Oxygen therapy-mask, prongs & tent
- Nebulization
- Chest physiotherapy
- Naso-gastric feeding
- Assist in common diagnostic procedures
- Perform / assist in therapeutic procedures
- Transfusion of blood & its components
- Throat suctioning
- ET suctioning
- Collect specimens for common
- Investigations
- Maintain eliminations
 - Catheterization
- Educate & counsel patient & family regarding specific disease conditions

Area General surgical wards (GI and Urinary)

Duration: 3 Weeks

Objectives:

- Provide pre & post operative nursing care to adult patients with surgical disorders
- Educate & counsel patients and families

Skills:

- Practice medical surgical asepsis standard safety
- Pre operative preparation of patient
- Post operative care
 - Receiving
 - Assessment
 - Monitoring
- Care of wounds and drainage
- Suture removal
- Ambulation & exercises
- Naso-gastric aspiration

- Care of chest drainage
- Ostomy care
 - Gastrostomy
 - Enterostomy
 - Colostomy
- Transfusion of blood & its components
- Practice universal precautions

Area Operation theatre

Duration: 3 Weeks

Objectives:

- Identify instruments used in different operations
- Set up the table / trolleys for common operative procedures
- Assist in the operative procedures
- Provide pre operative nursing care

Skills:

Perform scrubbing, gowning, gloving

- Identify instruments, suturing materials for common operations. Disinfection, carbolization & sterilization & fumigation
- Prepare the OT table depending upon the operation
- Positioning and monitoring of patient
- Assisting with minor & major operations
- Handling specimens
- Segregation and disposal of biomedical waste as per guidelines

Area ICU

Duration: 1 Week

Objectives:

- Gain proficiency in ICU nursing
- Identify potential problem and provide care accordingly
- Record findings and medications accurately
- Develop good IPR with patient & family

Skills:

- Connect and monitor ECG & pulse oxymetry
- Assist in endo tracheal intubation
- Suctioning provide care for a patient on ventilator

- Handling emergency drug trolley / crash cart
- Assisting in insertion of central line and monitoring central venous pressure

Area Geriatric nursing medical surgical / special ward

Duration: 1 Week

Objectives:

- Identify specific problems related to the elderly
- Assist in the activities of daily living
- Provide comprehensive nursing care

Skills:

- Assessment of the geriatric
- Identify the health problems among the elderly (Psychological, social and spiritual needs of the elderly) and provide specific care
- Health promotion of the elderly

Area Oncology Unit

Duration: 1 Week

Objectives:

- Provide care for patients with cancer
- Counsel and educate patient and families

Skills:

- Screen for common cancers
- Tumor Node Metastasis (TNM) classification
- Assist with diagnostic procedures
 - Biopsies
 - Pap smear
 - Bone marrow aspiration
- Assist with therapeutic procedures
- Observe various modalities of treatment
 - Chemotherapy
 - Radiotherapy
 - Pain management
 - Stoma care
 - Hormonal therapy
 - Immunotherapy
 - Gene therapy

- Alternative therapy
- Participate in palliative care
- Counsel and teach patients families

Area Dermatology and burns

Duration: 1 Week

Objectives:

- Provide care to patients with dermatology disorder and burn
- Counsel and educate patient and families

Skills:

- Assessment for the burn patient
 - Percentage of burns
 - Degree of burns
 - Dressing
- Fluid & electrolyte replacement therapy
 - Assess
 - Calculate
 - Replace
 - Record
 - Intake / output
- Assessment and care of patients with dermatological disorders
- Administer topical medications
 - Give medicated baths
- Perform active & passive exercises
- Practice medical & surgical asepsis
- Counsel & teach patients and families

Area Ophthalmology

Duration: 1 Week

Objectives:

- Provide care to patients with eye disorders
- Counsel and educate patient and families

Skills:

- Perform examination of eye
- Assist with diagnostic procedures
- Assist with therapeutic procedures

- Perform / assist with irrigations
- Apply eye bandage
- Apply eye drops / ointments
- Teach patients and families

Area ENT

Duration: 1 Week

Objectives:

- Provide care to patients with ENT disorders
- Counsel and educate patient and families

Skills:

- Perform examination of ear
- Assist with therapeutic procedures
- Instillation of drops
- Perform / assist with irrigations
- Apply ear bandage
- Perform tracheostomy care
- Health education to patients and families

Area Cardiology ward / ICCU / Cardiothoracic and vascular unit

Duration: 1 Week

Objectives:

- Provide care to patients with cardiac and vascular disorders
- Counsel and educate patient and families

Skills:

- Perform cardio vascular assessment
- Recording ECG and identify basic changes in ECG
- Monitoring of patients in on cardiac monitor
- Preparing & assisting of frequently performed diagnostic and therapeutic, non invasive and invasive procedures
- Administer cardiac drugs
- Advanced / Basic Cardiac Life Support (ACLS/BLS)
- Monitoring and caring for patients with chest drainage
- Assist in defibrillation

- Monitoring of patients in ICU
- Maintain flow sheet
- Perform Endotracheal suction
- Demonstrate use of ventilators, cardiac monitors etc.
- Physical examination
- Collect specimens and interprets ABG analysis
- Assist with arterial puncture
- Maintain CVP line
- Pulse oxymetry
- CPR – ALS
- Defibrillators
- Bag – mask ventilation
- Emergency tray / trolley – crash cart
- Administration of drugs
 - Infusion pump
 - Epidural
 - Intra thecal
 - Intracardiac
- Total parenteral therapy
- Chest physiotherapy
- Perform active & passive exercises

Area Orthopedic ward

Duration: 1 Week

Objectives:

- Provide nursing care to patients with musculo skeletal disorders
- Counsel and educate patient and families

Skills:

- Assessment of orthopedic patients
- Assist in the application of plaster cast and removal of cast
- Assist in applying skin traction, bucks extension traction
- Assist in application and removal of prosthesis
- Physiotherapy
- Crutch maneuvering technique
- Ambulation

Area Communicable diseases ward / isolation ward

Duration: 1 Week

Objectives:

- Provide nursing care for patients with communicable diseases

Skills:

- Assessment of patients with communicable diseases
- Use of personal protective equipment (PPE) and barrier nursing
- Health teaching for prevention of infectious diseases
- Counseling of HIV / AIDS patients
- Counseling of family members

Area Emergency ward / Casualty

Duration: 1 Week

Objectives:

- Provide care to patients in emergency and disaster situation
- Counsel patient and relatives for grief and bereavement

Skills:

- Practice 'triage'
- Assist with assessment, examination, investigation & their interpretation in emergency and disaster situations
- Provide first aid
- ACLS /BLS
- Assist in legal documentations and procedures in emergency unit
- Counsel patient and families grief and bereavement

MENTAL HEALTH NURSING (NRY 203)

Placement:- Second Year

Time: – 70 Hours

Course Description

This course is designed to help students develop the concept of mental health nursing and mental illness, its causes, symptoms, prevention, treatment modalities and nursing management of mentally ill for individual, family and community

General Objectives

Upon completion of this course, the students shall be able to:

1. Describe the concept of mental health and mental illness and the emerging trends in psychiatric nursing
2. Explain the causes and factors of mental illness, its prevention and control
3. Identify the symptoms and dynamic of abnormal human behavior in comparison with normal human behavior
4. Demonstrate a desirable attitude and skills in rendering comprehensive nursing care to the mentally ill

Unit No. I

Learning Objective:

Describe the concept of mental health and mental illness in relation to providing comprehensive care to the patients

Content:

Introduction

- a) Concept of mental health and mental illness
- b) Misconceptions related to mental illness
- c) Principles of mental health nursing
- d) Definition of terms used in psychiatry
- e) Review of defense mechanisms
- f) Mental Health Team

Learning Objective:

Narrate the historical development of psychiatry and psychiatric nursing

Content:

History of Psychiatry

- a) History of psychiatric nursing – India and at international level
- b) Trends in psychiatric nursing
- c) National mental health programme

Learning Objective:

Describe mental health assessment

Content:

Mental health assessment

- a) Psychiatry history taking
- b) Mental status examination
- c) Interview technique

Learning Objective:

Describe therapeutic relationship

Demonstrate skills in process recording

Content:

Therapeutic nurse-patient relationship

- a) Therapeutic nurse patient relationship : Definition, components and phases, importance
- b) Communication skills definition elements, types, factors influencing communication, barriers (therapeutic impasse)

Unit No. II

Learning Objective:

List various mental disorders and describe their mental and psychiatric and nursing management

Content:

Mental Disorders and Nursing Interventions

- a) Psycho- pathophysiotherapy of human behavior
- b) Etiological theories (genetics, biochemical, psychological etc.)
- c) Classification of mental disorders
- d) Disorders of thought, motor activity, perception, mood, speech, memory, concentration and judgment
- e) Prevalence, etiology, signs and symptoms, prognosis, medical and nursing management

- f) Personality & types of personality related to psychiatric disorders
- g) Organic mental disorders: Delirium, Dementia
- h) Psychotic disorders:
 - Schizophrenic disorders
 - Mood (affective) disorders: Mania depression, Bipolar affective disorders (BPAD)
- i) Neurotic disorders: Phobia, anxiety disorders, obsessive compulsive disorders, depressive neurosis, conversion disorders, dissociative reaction, psychosomatic disorders, post traumatic stress disorder
- j) Substance use and de-addiction: alcohol, tobacco and other psychoactive, substance
- k) Child and adolescent psychiatric disorders;
 - Sleep disorders
 - Eating disorders
 - Sexual disorders
- l) Nursing management: Nursing process and process recording in caring for patients with various psychiatric disorders

Unit No. III

Learning Objective:

Describe the Bio-psychosocial therapies and explain the role of the nurse

Content:

Bio –Psycho & Social Therapies

- a) Psychopharmacology – Definition, classification of drugs antipsychotic, antidepressant, antimanic, antianxiety agents, anti parkinsons
- b) Psychosocial therapies – individual therapies, group therapy, behavior therapy, occupational therapy, family therapy, melieu therapy
- c) Role of nurse in these therapies
- d) Somatic therapy – Electro Convulsive Therapy, insulin therapy
- e) Role of nurse in these therapies

Unit No. IV

Learning Objective:

Describe the concept of preventive community mental health services.

Enumerate the nurse's role in National mental health programme

Content:

Community Mental Health

- a) Concept, importance and scope
- b) Attitudes, stigma and discrimination related to the mentally ill
- c) Prevention of mental illness (Preventive Psychiatric) during childhood, adolescent, adulthood and old age
- d) Community Mental Health Services
- e) Role of Nurse in National mental health programme and psychiatric care in community

Learning Objective:

Explain different psychiatric emergencies and their management.

Demonstrate skills in crisis intervention

Content:

Psychiatric Emergencies and Crisis Intervention

- a) Type of Psychiatric emergencies: Over Active, under active patient, Violent behavior
- b) Suicide, adverse drug reactions, withdrawal symptoms, acute psychosis etc.
- c) Crisis and its intervention: AIDS, Adolescent

Unit No. V

Learning Objective:

Describe the legal aspects to be kept in mind in the care of mentally ill patients

Content:

Forensic Psychiatry / Legal Aspects

- a) India Lunatic Act 1912
- b) Narcotic Drugs and psychotropic Act 1965, 1985
- c) Mental Health Act 1987, 2014
- d) Admission and discharge procedures
- e) Standards of psychiatric nursing practice
- f) Rights of Mentally ill patients
- g) Legal responsibilities in the care of mentally ill patients

MENTAL HEALTH NURSING-PRACTICAL

(NRY 207)

Placement:- Second Year

Time: – 320 Hours (8 Weeks)

Internship – 96 hours (2 Weeks)

Area Psychiatric OPD

Duration: 3 Weeks

Objectives:

- Assess patients with mental health problems
- Observe and assist in therapies
- Counsel and educate patients, and families

Skills:

- History taking
- Perform mental status examination
- Assist in psychometric assessment
- Observe and assist in therapies
- Teach patients and family members

Area Child guidance clinic

Duration: 1 Week

Objectives:

- Assessment of children with various mental health problems
- Counsel and provide health education for children, families and significant others

Skills:

- History taking
- Perform mental status examination
- Observe and assist in therapies
- Health education of family members and significant others
- Counsel family members and significant others

Area Inpatient ward

Duration: 6 Weeks

Objectives:

- Assess patients with mental health problems

- Provide nursing care for patients with various mental health problems

Skills:

- History taking
- Perform mental status examination
- Observe and assist in therapies
- Provide nursing care to the mentally ill patient
- Health educate family members and significant others

CHILD HEALTH NURSING

(NRY 204)

Placement:- Second Year

Time: – 70 Hours

Course Description

This course is designed to help students develop and understanding of the concept of child health, the trends in child care and the health problems of children. This shall enable the students to meet the needs of the children, in health and sickness.

General Objectives

Upon completion of this course, the students shall be able to:

1. Explain the concept of this child health, the principles underlying child trends in pediatric nursing
2. Describe normal growth and development of children, so as to recognize deviations for normal health and care of healthy children
3. Demonstrate skills in meeting the needs of the sick infants and children based on the IMNCI guidelines of GOI

Unit No. I

Learning Objective:

Understand the concept of the child health care, trends & emerging challenges for pediatric nurses

Describe the role of pediatric nurses in clinic, hospitals and community

Content:

Introduction

- a) Modern concept in child health care
- b) Trends in pediatric nursing
- c) Role of pediatric nurses in child care
- d) Emerging challenges, nursing process related to pediatric nursing
- e) Concept of preventive pediatric
- f) Vital statistics related to pediatrics as per the NRHS and GOL

Unit No. II

Learning Objective:

Describe the normal growth & development of children

Content:

Growth & development

a) Definition, principles, factors affecting growth & development, techniques of assessment, plotting of growth chart

b) Infant

Growth & development, health promotion, breast feeding & weaning, immunization, infant and young child feeding

c) Toddler

Growth & development, nutrition counseling, toilet training, safety, prevention of accidents play

d) Preschoolers

Growth & development daycare centers. Role of parents in sex education

e) School ager

Growth & development, rest, sleep, physical exercises & activity, dental health, sex education

f) Adolescent

- Growth & development, adaptation to puberty, menstrual hygiene, nutritional guidance, sex education
- Role of parents in health promotion of adolescents
- Control of iron deficiency anemia (WIFS guidelines)

Unit No. III

Learning Objective:

Describe the role of nurse in caring for a sick child

Develop skill in carrying out nursing intervention while caring for pediatric age group

Content:

The sick child

a) Child's reaction to hospital

- b) Effect of hospitalization on the family of the child
- c) Role of nurse in helping child & family in coping, with stress of hospitalization & illness

Pediatric procedures

- a) Preparation of child for diagnostic tests, collection of specimens
- b) Calculation & administration of oral & parenteral medication
- c) Procedures related to feeding
 - Katori & Spoon
 - Ryle's tube & gastrostomy
- d) Procedures relating to elimination
 - Enema
 - Colostomy irrigation
- e) Administration & analysis of oxygen concentration, steam inhalation, nebulization
- f) Other procedures
 - Pediatric resuscitation
 - Surgical dressing

Learning Objective:

Describe the management of behavioral disorders and common health problems of children

Demonstrate skills in the prevention & implementation of medical & nursing management of behavioral disorders & common health problems

Content:

Disorders and health problems of a child

- a) Infancy
 - Failure to thrive
 - Diarrhea
- b) Childhood
 - Communicable diseases
 - Tonsillitis
 - Otitis media
 - Child abuse
 - Breath holding spasms
 - Enuresis, nail biting, thumb sucking, somnambulism
 - Protein Energy Malnutrition
 - Helminthic infections
 - Bites and stings
 - Pica

- Tics
- c) Adolescent
 - Precocious puberty
 - Gynecomastia
 - Accident, sport injuries
 - Obesity & anorexia nervosa
 - Juvenile delinquency

Unit No. IV

Learning Objective:

Demonstrate skills in providing comprehensive nursing care to the children having congenital defects / malformation

Content:

Child with congenital disorders

Etiology, signs and symptoms, diagnosis, complications and medical, surgical & nursing management of children with

- Malformation of CNS, cranial deformities, spina bifida, hydrocephalus, cerebral palsy, meningocoele
- Skeletal defects, cleft lip & cleft palate
- Gastro intestinal tract defects, fistula, anorectal malformations, hernia
- Congenital hypertrophied pyloric stenosis
- Defects of Genito-urinary tract hypospadiasis & epispadiasis, extrophy of bladder, phimosis & paraphimosis, cryptorchidism, polycystic kidney
- Sexual abnormalities, ambiguous genitalia
- Defects of cardio vascular system, cyanotic and acyanotic- TOF (Tetralogy of Fallouts), TGV (Transposition of great Vessels), TAPVC, ASD, VSD, Coactation of aorta, PDA
- Orthopedic abnormalities congenital talipusequinovarus, congenital dislocation of hips
- Chromosomal abnormalities
- Down's syndrome, Turner's syndrome

Unit No. V

Learning Objective:

Demonstrate skills in providing comprehensive nursing care to children with various disorders & diseases

Content:

Children with various disorders and diseases

Etiology, signs and symptoms, complications, prevention, medical surgical & nursing management of

a) Renal system

- Nephrotic Syndrome
- Acute Glomerulonephritis
- ARF & CRF

b) Resp. system

- URI & LRI
- Asthma, Pneumonia

c) GI System

- Intestinal obstruction (Mechanical)
- Hirschsprung's disease
- Malabsorption Syndrome
- Inflammatory conditions appendicitis, Meckel's diverticulum, ulcerative colitis
- Worm infestation

d) CVS System

- Rheumatic fever
- CCF
- Infective endocarditis

e) Hematological System

- Anemia
- Leukemia
- Thalassemia
- Hemophilia
- Sickle cell anemia
- Thrombocytopenic purpura

f) Neurological System

- Meningitis
- Encephalitis
- Convulsive
- Cranio-cerebral trauma

g) Endocrine

- Pituitary disorders
- Hypo & Hyperthyroidism
- Juvenile Diabetes
- Adrenal disorders

h) Development problem

- Handicapped children

- Mental Retardation
- Dyslexia
- Hearing & Vision impairment
- i) Others
 - Fluid and electrolyte imbalance
 - Burns
- j) Problems with locomotion
 - Poliomyelitis
 - Osteomyelitis
 - Kyphosis, lordosis, scoliosis
 - Fractures
- k) Pre and post operative care of children undergoing surgery

Learning Objective:

Describe the various child welfare services provided by Governmental & non Governmental agencies. Explain the ethical & legal implication in pediatric nursing

Content:

Child welfare services

- a) Child welfare services and agencies
 - ICDS
 - Mid-day meal programme
 - Balwadi, Anganwadi
 - Day care centers
 - NPSP
- b) Law pertaining to pediatrics
 - National child labour policy
 - Child act
 - Juvenile justice act
 - Internationally accepted rights of the child
 - Rehabilitation of delinquent & destitute children
 - Adoption laws and services
 - Adolescent health programme menstrual hygiene, WIFS programme, adolescent safety programme

CHILD HEALTH NURSING-PRACTICAL

(NRY 206)

Placement:- Second Year

Time: – 320 Hours (8 Weeks)

Internship – 96 hours (2 Weeks)

Area Paediatric Medicine Ward

Duration: 3 Weeks

Objectives:

- Perform physical assessment
- Assist in diagnostic procedure and provide pre and post care related to diagnostic procedure
- Administer the drugs
- Provide health education
- Perform basic resuscitation

Skills:

- Taking Pediatric History
- Perform physical examination and assessment of children
- Administration of oral, I/M & I/V, medicine / fluid
- Calculation of fluid requirements
- Prepare different strengths of I/V fluids
- Apply restraints
- Administer O₂ inhalation by different methods
- Feed children by Katori (bowl) and spoon, pallada etc.
- Collect specimens for common investigations
- Assist with common diagnostic procedure
- Teach mother / parents on balance diet for child of different age group
- Oral rehydration therapy
- Feeding & weaning
- Play therapy
- Check vital signs
- Give enema
- Insert suppositories

Area Paediatric Surgery Ward

Duration: 3 Weeks

Objectives:

- Recognize different pediatric surgical condition
- Provide pre and post operative care to children with common pediatric surgical conditions / malformation
- Counsel and educate parents

Skills:

- Do bowel wash
- Care for ostomies
 - Colostomy irrigation
 - Ureterostomy
 - Gastrostomy
 - Enterostomy
- Urinary catheterization and drainage
- Feeding
 - Nasogastric
 - Gastrostomy
 - Jejunostomy
- Care of surgical wound dressing
- Suture removal

Area Paediatric Surgery OPD / Immunization room / well baby clinic / adolescent clinic

Duration: 4 Weeks

Objectives:

- Perform assessment of children, health development and anthropometric
- Perform immunization
- Give health education / nutritional education

Skills:

- Assessment of children
- Health assessment
- Developmental assessment
- Anthropometric assessment
- Immunization
- Health / nutritional education

