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Second Year B. Sc. Nursing

Subject: Medical Surgical Nursing.

Faculty: Mrs. Sadhana Adhyapak, Mrs D Priya, Mrs. Laxmi Chandra.

UNIT	TOPIC	No of lectures	Lecture Serial No
I <i>INTRODUCTION</i>	INTRODUCTION • Introduction to Medical Surgical Nursing Evaluation & trends of medical & surgical nursing	1	1
	• Review of concepts of health & illness, diseases concepts, its causes- Classification of diseases, International classification of Diseases	2	2-3
	-Acute, chronic, & terminal stages of illness	2	4-5
	- Review of concept of compressive	2	6-7
	Nursing care in medical Surgical Condition based on Nursing Process. Role of nurse patients & family in care of adult patients. •Role & responsibility of nurse in	1	8
	medical surgical settings: -Outpatient department -In patient department -Intensive care units -Home & community settings		
	• Introduction to medical sepsis	2	9-10
	-Inflammation and Infection - Stress adaptation - Hemorrhage		

	<ul style="list-style-type: none"> - Nutritional consideration - immunity - Wound healing • Care of surgical patients. Preoperative, Intraoperative, Postoperative 		
	<ul style="list-style-type: none"> • Demonstrations -surgical asepsis -Dressings -Care of wound drainage -Preoperative preparation of Patient 	3	11-13
II Common sign and symptoms and management	Common sign and symptoms and management <ul style="list-style-type: none"> -Fluid & electrolyte imbalance 	2	14-15
	-Vomiting	1	16
	-Dyspnea and cough, respiratory difficulty and obstructions	1	17
	-Fever	1	18
	-Shock	2	19-20
	-Unconsciousness, syncope	1	21
	-Pain	2	22-23
	<ul style="list-style-type: none"> -Incontinence (bladder & bowl) & retention of urine - Constipation - Diarrhea -Edema 	1	24
	-Age related problems-Geriatric problem.	1	25
III Nursing management of patients (adults including elderly) with respiratory problems	Nursing management of patients (adults including elderly) with respiratory problems <ul style="list-style-type: none"> • Review of Anatomy & Physiology of respiratory system. • Nursing Assessment – History & Physical assessment 	1	26
	• Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & Medical, surgical, Nutritional & nursing including elderly with:	2	27-28
	<ul style="list-style-type: none"> • Upper Respiratory tract infections • Bronchitis , Bronchiolitis • Asthma 	2	29-30

	<ul style="list-style-type: none"> • Emphysema • Empyema • Atelectasis 	2	31-32
	<ul style="list-style-type: none"> • Chronic obstructive Pulmonary Diseases (COPD) • Bronchiectasis • Pneumonia 	1	33
	<ul style="list-style-type: none"> • Pulmonary tuberculosis • Lung abscess 	2	34-35
	<ul style="list-style-type: none"> • Pleural abscess, effusion 	1	36
	<ul style="list-style-type: none"> • Cysts & Tumors • Chest injuries 	2	37-38
	<ul style="list-style-type: none"> • Respiratory arrest, ARDS & insufficiency 	1	39
	<ul style="list-style-type: none"> • Pulmonary embolism Special therapies, alternative therapies <p>Nursing Procedures Drugs used in treatment of respiratory disorders.</p>	2	40-41
	<ul style="list-style-type: none"> • Demonstrations - Respiratory assessment assisting in procedures of X ray chest, MRI, lung Biopsy, bronchoscopy 	2	42-43
	<ul style="list-style-type: none"> - Thoracocentesis, - care of patients with chest drainage & change of chest drainage- Care of patients on ventilators & weaning – nebulisation, - 	2	44-45
IV Nursing management of patient (Adults including elderly) with disorders of Digestive system	<p>Nursing management of patient (Adults including elderly) with disorders of Digestive system</p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of digestive system • Nursing Assessment –history & physical assessment • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, Nutritional & nursing management 	2	46-47
	<p>Disorders of oral cavity</p> <ul style="list-style-type: none"> • Oral cavity- Lips, gums, tongue, salivary and teeth 	3	48-50

	-esophagus- inflammation, stricture, obstruction, bleeding & esophageal tumor		
	Stomach & Duodenum Hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumour pyloric stenosis	2	51-52
	Food allergy & poisoning • Small intestinal inflammation and infection - Ulcerative colitis, enteritis, malabsorption syndrome, Obstruction, tumors perforation,	3	53-55
	• Large Intestinal disorders -Colitis inflammations & infection, obstruction, Tumors, lump Hernia	2	56-57
	• Appendix Inflammation, mass, abscess, rupture • Anal & Rectum Fistulas, fissures, Hemorrhoids and tumour	2	58-59
	• Peritonitis/ acute abdominal • Pancreas; inflammation, cyst, abscess, tumours Abdominal trauma	2	60-61
	• Acute Abdomen to • Pancreas- Acute & chronic pancreatitis, abscess & tumors • Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors	3	62-64
	• Biliary tract & gall bladder -Cholecystitis, cholelithiasis, tumors	2	65-66
	• Demonstrations -Preparing assessing & witnessing	1	67
	- Barium meal, enema, -Abdominal paracentesis,	1	68
	-Liver biopsy, -Endoscopies, ERCP, OGD,	1	69
	Colonoscopy, Proctoscopy, Sigmoidoscopy		

	-Liver function test Gastric analysis, stomach wash - Gastrostomy feeding	1	70
	- Jejunostomy feeding - Bowel wash	1	71
	- Colostomy care • Liver inflammation cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours,	2	72-73
	• Gall Bladder, inflammation, Obstruction, Stones, & tumours Special Therapies, alternative therapies nursing procedures, drug used in the treatment of disorders & diseases of digestive system	2	74-75
V Nursing management of patient(adults including elderly) with blood and cardiovascular problems	Nursing management of patient(adults including elderly) with blood and cardiovascular problems • Review of Anatomy & Physiology of blood and cardiovascular system • Nursing Assessment –history & Physical assessment. • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, Nutritional & nursing management of:	2	76-77
	• Heart- -Coronary artery disease -Ischemic heart disease - Coronary atherosclerosis -Angina pectoris	3	78-80
	Myocardial infarction -Congestive cardiac failure -Corpulmonale	2	81-82
	Pulmonary Odema -Cardiogenic shock -Cardiac tamponade	2	83-84
	- Endocarditis -Myocarditis -Pericarditis	2	85-86

	-Cardiomyopathies • Valvular heart disease- -Congenital & acquired -Rheumatic heart disease -Mitral stenosis	2	87-88
	• Conduction system -Cardiac dysarthmias & heart blocks • Vascular systems Hypertension, hypotension Raynaud's disease	2	89-90
	Aneurism and Perpherial vascular disorders, Cardiogenic shock	1	91
	Cardiac arrest- ACLS, BLS • Blood -Anaemias -Polycythemia	2	92-93
	Bleeding & coatings disorders -Thrombocytopenia -Hemophilia -Thalassemia	2	94-95
	-Leukemia -Leucopenia Agranulocytosis -Lymphomas & Myelomas	2	96-97
	• Blood bank functioning & Biosafety management related to blood transfusion	2	98-99
	-Role of nurse in organ donation, transplant, retrieval & banking Drugs used in cardiovascular system. Alternative therapies	3	100-102
	• Demonstration- ECG-3 & 12 lead, -Holter monitoring -2DEcho,Doppler	3	103-105
VI Nursing management of patient (Adults including	Review of Anatomy & Physiology of genito-urinary systems • Nursing Assessment –history & physical assessment.	1	106

elderly) with genitio-urinary problems	<ul style="list-style-type: none"> • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of 		
	<ul style="list-style-type: none"> -Nephritis -Nephrotic syndrome -Nephrosis - Renal calculus - Tumours 	2	107-108
	<ul style="list-style-type: none"> -Acute renal failure -Chronic renal failure -End stage renal disease 	2	109-110
	<ul style="list-style-type: none"> -Dialysis, renal transplant -congenital disorders, urinary infections -Benign prostate hypertrophy • Kidney -Polycystic kidney 	2	111-112
	<ul style="list-style-type: none"> • Disorders of ureter, urinary bladder urethra- inflammation infections, calculus stricture, obstructions, tumors, 	1	113
	<p>prostate Drug used into treatment of genitio-urinary systems</p> <p>Demonstrations Bladder wash / Irrigation Demonstration care of Indwelling catheterization male / female Condom catheters (external)</p>	2	114-115
VII Nursing management of disorders of male (adults including elderly) reproductive system	<p>Nursing management of disorders of male (adults including elderly) reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy and Physiology of male reproductive system • Nursing assessment-history and physical assessment • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive 	1	116

	system		
	<ul style="list-style-type: none"> • Congenital malformations; cryptorchidism • Infections • Hypospadiasis, Epispadiasis • Infection Testis and adjacent structure 	1	117
	<ul style="list-style-type: none"> • Penis • Prostate: inflammation, infection hypertrophy, tumor • Sexual Dysfunction • Infertility 	1	118
	<ul style="list-style-type: none"> • Contraception • Breast, gynecomastia, tumor • Climacteric changes special therapies, alternative therapies. 	1	119
	<ul style="list-style-type: none"> • Nursing procedures <p>drugs used in treatment of disorders of male reproductive system</p>	1	120
VIII Nursing management of patient (adults including elderly) with disorders of endocrine system	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of endocrine system • Nursing assessment-history and physical assessment • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of 	2	121-122
	<ul style="list-style-type: none"> • Disorders of pituitary • Disorders of thyroid and parathyroid 	2	123-124
	<ul style="list-style-type: none"> • Adrenal tumour 	2	125-126
	<ul style="list-style-type: none"> • Diabetes mellitus, Diabetes insipidus 	2	127-128
	<ul style="list-style-type: none"> • special therapies, alternative therapies 	1	129
	<ul style="list-style-type: none"> • Nursing procedures • drugs used in treatment of 	1	130

	disorders of endocrine system		
IX Nursing management of patients (adults including elderly) with disorders of Integumentary system	Nursing management of patients (adults including elderly) with disorders of Integumentary system <ul style="list-style-type: none"> • Review of anatomy and physiology of skin and its appendages • Nursing assessment-history and physical assessment • Etiology, Pathphysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages 	1	131
	<ul style="list-style-type: none"> • Lesions and abrasions • Infection and infestations: Dermatitis 	2	132-133
	<ul style="list-style-type: none"> • Dermatoses; infectious and non infectious “inflammatory dermatoses • Acne vulgaris 	2	134-135
	<ul style="list-style-type: none"> • Allergies and Eczema • Psoriasis 	2	136-137
	<ul style="list-style-type: none"> • Malignant melanoma • Alopecia 	1	138
	<ul style="list-style-type: none"> • Leucoderma • Care of patient with Skin surgery Special therapies, alternative therapies 	1	139
	<ul style="list-style-type: none"> • Nursing procedures, • drugs used in treatment of disorders of Integumentary system 	1	140
X Nursing management of patients (adults including elderly) with musculoskeletal	Nursing management of patients (adults including elderly) with musculoskeletal problems <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system, 	1	141

problems	<ul style="list-style-type: none"> • Nursing assessment-history and physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of 		
	<ul style="list-style-type: none"> • Disorders of: <ul style="list-style-type: none"> □ Muscles, ligaments and jointsinflammation, infection trauma 	2	142-143
	<ul style="list-style-type: none"> □ Bones-inflammation, infection, dislocation, sprain, fracture, tumour & trauma 	3	144-146
	<ul style="list-style-type: none"> □ Osteomalacia and osteoporosis □ Arthritis □ Congenital deformities 	2	147-148
	<ul style="list-style-type: none"> □ Spinal column – defects and deformities, tumor, Prolapsed intervertebral disc. Pott’s spine 	2	149-150
	<ul style="list-style-type: none"> □ Paget’s disease • Amputation • Prosthesis • Transplant and replacement surgeries 	2	151-152
	<ul style="list-style-type: none"> • Rehabilitation special therapies, alternative therapies • Nursing procedures, drug used in 	2	153-154
	treatment of disorders of musculoskeletal system	1	155
XI Nursing management of Patient (adults Including elderly) with Immunological problems	<p>Nursing management of Patient (adults Including elderly) with Immunological problems</p> <ul style="list-style-type: none"> · Review of Immune system. · Nursing Assessment-History and physical assessment · Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics and nursing management of- 	1	156
	<ul style="list-style-type: none"> · Immunodeficiency disorder · Primary immuno deficiency · Phagocytic dysfunction · B-cell and T-cell deficiencies 	3	157-159

	·Secondary immuno-deficiencies		
	·Acquired Immuno Deficiency Syndrome (AIDS) • Incidence of HIV & AIDS ·Epidemiology ·Transmission-prevention of Transmission ·Standard safety precautions	3	160-162
	·Roll of nurse, counseling ·Health education and home care consideration, ·National AIDS control program NACO various National and international agencies.	2	163-164
	•Infection control program ·Rehabilitation, Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological systems	1	165
XII Nursing management of patient (adults including elderly) with Communicable Diseases	Nursing management of patient (adults including elderly) with Communicable Diseases • Overview of infectious disease, the infectious process • Nursing Assessment-History and physical assessment	1	166
	• Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics. Control and eradication of common communicable diseases	2	167-168
	□ Tuberculosis □ Diarrhoeal diseases □ Hepatitis A-E □ Herpes □ Chickenpox □ Smallpox	1	169
	□ Typhoid □ Meningitis □ Gas gangrene	2	170-171
	□ Leprosy □ Dengue	2	172-173
		2	174-175

	□ Plague		
	□ Malaria □ Diphtheria □ Pertussis	2	176-177
	□ Poliomyelitis □ Measles □ Mumps	2	178-179
	□ Influenza □ Tetanus □ Yellow fever	2	180-181
	□ Filariasis □ HIV, AIDS communicable diseases	1	182
	• Reproductive Tract Infections	1	183
	• Special infection control measures; Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals Special therapies, Alternative therapies •Nursing procedures •Drugs used in treatment of	2	184-185
XIII Peri Operative nursing:	Peri Operative nursing: • Organization and physical set up of the operation theatre (OT): □ Classification	2	186-187
	□ O.T.DESIGN □ Staffing □ Members of the OT team.	2	188-189
	□ Duties and responsibility of nurse in OT	2	190-191
	□ Principles of health and operating room attire.	1	192
	□ Instruments		
	□ Sutures and suture materials	2	193-194
	□ Equipments		
	□ O.T. tables and sets for common surgical procedure		
	□ Scrubbing procedures	2	195-196
	□ Gowning and gloving		
	□ Preparation of O.T. sets		
	□ Monitoring the patients during surgical procedures	1	197
	• Maintenance of therapeutics environment in O.T.	2	198-199

	<ul style="list-style-type: none"> • Standard safely measures <ul style="list-style-type: none"> □ Infection control: fumigation, disinfection and sterilization 	2	200-201
	<ul style="list-style-type: none"> □ Biomedical waste management 	2	202-203
	<ul style="list-style-type: none"> □ Prevention of accidents and hazards in O.T. 	1	204
	<ul style="list-style-type: none"> • Anaesthesia • Types 	1	205
	<ul style="list-style-type: none"> □ Methods of administration □ Effects and stages □ Equipment □ Drugs 	2	206-207
	<ul style="list-style-type: none"> • Cardio pulmonary Resuscitation (CPR) 	2	208-209
	<ul style="list-style-type: none"> • Pain management techniques Legal Aspects 	1	210

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