



Medical Nursing II Module

Bachelor of Science (Honours) in Nursing Degree
Department of Nursing and Midwifery
Faculty of Allied Health Sciences
University of Sri Jayewardenepura



MEDICAL NURSING II MODULE

**DEPARTMENT OF NURSING AND MIDWIFERY
FACULTY OF ALLIED HEALTH SCIENCES
UNIVERSITY OF SRI JAYEWARDENEPURA**

MEDICAL NURSING II MODULE

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Module – Medical Nursing II (Theory and practice)

Introduction

Medical Nursing 11 module consists of both theory and practice components. The focus of the subject will be the principles of caring adult clients undergoing medical treatments and the nurse's role in managing medical conditions. Basically, the theory component includes study of disease conditions requiring medical management, identifying medical patients' needs, health teaching, health promotion, illness prevention, rehabilitation of patients and care of the family. Ethical, social, and psychological aspects of nursing care, developing appropriate attitudes towards patients and family members are emphasized. The practice component facilitates students to gain clinical experience of Medical Nursing by working in general and special medical wards and further to develop their clinical reasoning skills.

Module – Medical Nursing II (Theory and practice)

Credits: 06

Contact Hours: Lecture/ Discussion/ Tutorial ..03.... credits ..45... hours

Lab: ..0.25... credits ..7.5... hours

Practical: ..2.75... credits ..137.5... hours

Teaching Unit: Department of Nursing & Midwifery

Aim:

The aim of the subject is to increase student knowledge, skills and confidence in providing nursing care to an adult medical patient in the clinical setting, and to develop skills in clinical judgment and their awareness of the way they utilize the knowledge into clinical practice progressively.

Course objectives

At the end of this course, students will be able to;

1. Assess nursing needs of patients, plan, implement and evaluate nursing care of adult medical patients.
2. Explain the physical and psychosocial needs of adult patients undergoing medical treatments
3. Demonstrate skills in solving nursing problems of patients undergoing medical treatments in clinical practice
4. Participate effectively as a member of the health team by observing, recording and reporting, planning and implementing care.
5. Teach patients and families regarding prevention and control of common health problems in Sri Lanka.
6. Apply scientific principles in performing nursing procedures for adult patients

Teaching / Learning Activities:

Lectures, Tutorials, Small group Discussions, Assignment,
Student Presentations, student seminars, Case studies

Main content areas

No	Main content area	Lecture Hours	Practical Hours	Tutorial/SGD/Student presentations Hours
01.	Nursing management of clients with endocrine disorders	06	02	01
02.	Nursing management of patients with renal and urinary disorders	04	02	02
03.	Nursing management of patients with neurological disorders	08	01	02
04.	Nursing management of patients with musculoskeletal disorders	05	-	
05.	Nursing management of the patients with dermatological disorders	02	-	
06.	Nursing management for patients with reproductive disorders	01	-	
07.	Nursing management of patients with disorders of the eye	04	01	
08.	Nursing management of patients with disorders of ear, nose, and throat	08	01	01
09.	Nursing management for patients with immune disorders	04	01	
10.	Care of patients with conditions of acute poisoning	03	-	01
	Total	45	08	07

Module – Medical Nursing II

1. Nursing management of clients with endocrine disorders

Intermediate objectives	Broad content areas	Activity	Duration (Hours)	Responsible/Resource person
<ul style="list-style-type: none"> To describe medical diagnostic procedures for endocrine disorders and nursing care 	<ul style="list-style-type: none"> Introduction to endocrine system Diagnostic procedures 	Lecture	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To identify pathophysiology of disorders of the adrenal glands To identify associated factors/risk factors for disorders of the adrenal glands To assess patients with disorders of the adrenal glands To describe the nursing care for the clients with disorders of the adrenal glands 	<ul style="list-style-type: none"> Addison's disease Cushing's disease 	Lecture	01	Lecturer from Department of Nursing and Midwifery Department of Medicine
<ul style="list-style-type: none"> To assess patient with thyroid disorders To explain the nursing care for a client with disorders of the thyroid gland 	<ul style="list-style-type: none"> Hyperthyroidism Hypothyroidism 	Lecture	01	Lecturer from Department of Nursing and Midwifery Department of Medicine
<ul style="list-style-type: none"> To describe To describe nursing care for patients with disorders of pituitary gland 	<ul style="list-style-type: none"> Diabetes insipidus Syndrome of inappropriate antidiuretic hormone 	Lecture	01	Lecturer from Department of Nursing and Midwifery Department of Medicine
<ul style="list-style-type: none"> To identify types of Diabetes Mellitus 	<ul style="list-style-type: none"> Diabetes Mellitus and foot care 	Lecture	02	

<ul style="list-style-type: none"> To describe complications of Diabetes Mellitus 	<ul style="list-style-type: none"> Diabetic emergencies <ul style="list-style-type: none"> - Diabetes insipidus - Syndrome of inappropriate antidiuretic hormone Diabetic mellitus and complications (nephropathy, retinopathy, neuropathy) Special diet Foot care Skills in assisting in investigations related to the endocrine disorders – CBS 	Practical		Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To summarize nursing management of clients with endocrine disorders 		Tutorial	01	Lecturer from Department of Nursing and Midwifery

2. Nursing management of patients with renal and urinary disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To explain medical diagnostic procedures and nursing care for patients with renal disorders 	<ul style="list-style-type: none"> Nursing care-investigations for patients with renal disorders Skills in assisting in investigation 	Lecture	01	Lecturer from Department of Nursing and Midwifery Department of Medicine

	s related to the renal & urinary disorders			
<ul style="list-style-type: none"> To identify care of patients undergoing peritoneal and Hemodialysis 	<ul style="list-style-type: none"> Peritoneal dialysis Hemodialysis Assisting and managing in dialysis 	Lecture	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe nursing interventions for a patient with renal failure and End stage renal disease 	<ul style="list-style-type: none"> Acute renal failure Chronic renal failure 	Lecture	01	Department of Medicine
		Students' presentation	02	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To explain nursing care for a client with urinary disorders secondary to other disease processes 	<ul style="list-style-type: none"> Urinary incontinence Urinary retention Neurogenic bladder Applying Condom Catheter 	Lecture	01	Lecturer from Department of Nursing and Midwifery
		Practical	01	
<ul style="list-style-type: none"> To summarize nursing management of clients with renal disorders 		Tutorial	01	Lecturer from Department of Nursing and Midwifery

3. Nursing management of patients with neurological disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To describe medical diagnostic procedures and nursing care for 	<ul style="list-style-type: none"> Introduction to nervous system- 	Lecture	02	Lecturer from Department of Nursing and Midwifery

patients with neurological disorders	<p>diagnostic tests</p> <ul style="list-style-type: none"> Neurological examination 	Practical	01	Lecturer from Department of Medicine
<ul style="list-style-type: none"> To outline nursing care for patients with inflammatory disorders of the nervous system 	<ul style="list-style-type: none"> Guillain-Barre syndrome Meningitis/encephalitis Myasthenia gravis 	Lecture	02	Lecturer from Department of Medicine
<ul style="list-style-type: none"> To describe nursing care of patients with degenerative disorders of the nervous system 	<ul style="list-style-type: none"> Parkinsonism Alzheimer's disease Multiple sclerosis 	SGD	01	Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe Pathophysiology of Epilepsy/ seizures To explain nursing interventions for patients with convulsive disorders 	<ul style="list-style-type: none"> Epilepsy/ seizures 	Lecture	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe pathophysiology of "stroke (CVA)" To explain management of a patient with stroke 	<ul style="list-style-type: none"> Types of stroke Diagnostic tests Medical management Nursing management 	Tutorial	01	Department of Medicine
<ul style="list-style-type: none"> To describe pathophysiology of "stroke (CVA)" To explain management of a patient with stroke 	<ul style="list-style-type: none"> Types of stroke Diagnostic tests Medical management Nursing management 	Lecture	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe pathophysiology of "stroke (CVA)" To explain management of a patient with stroke 	<ul style="list-style-type: none"> Types of stroke Diagnostic tests Medical management Nursing management 	Lecture	01	Department of Medicine

4. Nursing management of patients with musculoskeletal disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To describe medical diagnostic procedures and nursing care for patients with 	<ul style="list-style-type: none"> Introduction to musculoskeletal system 	Lecture	01	Lecturer from Department of Nursing and Midwifery

musculoskeletal disorders	<ul style="list-style-type: none"> • Medical diagnostic tests 			
<ul style="list-style-type: none"> • To explain inflammatory musculoskeletal disorders and nursing care 	<ul style="list-style-type: none"> • Systemic Lupus Erythematosus • Osteoarthritis • Rheumatoid arthritis 	Lecture	02	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> • To explain care of the clients with skeletal disorders 	<ul style="list-style-type: none"> • Osteomyelitis • Osteoporosis 	Lecture	02	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> • To describe importance of physiotherapy in rehabilitation 		Educational visit to the Rehabilitation Centre, Ragama) Lecture		Resource person from the Rehabilitation Centre
<ul style="list-style-type: none"> • To summarize nursing management of clients with musculoskeletal disorders 		Tutorial	01	Lecturer from Department of Nursing and Midwifery

5. Nursing management of the patients with dermatological disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> • Describe Nursing management of the patients with dermatological disorders 	<ul style="list-style-type: none"> • Bacterial infections • Viral infections • Fungal infections 	Lecture	02	Lecturer from Department of Nursing and Midwifery

6. Nursing management for patients with reproductive disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To describe nursing care for patients with disorders of the male pelvis 	<ul style="list-style-type: none"> Epididymitis Prostatitis 	Lecture	01	Lecturer from Department of Nursing and Midwifery

7. Nursing management of patients with disorders of the eye

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To outline methods using visual examination 	<ul style="list-style-type: none"> Diagnostic tests 	Lecture	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe nursing care for patients with visual disorders 	<ul style="list-style-type: none"> Visual impairment Infectious and inflammatory eye disorders Skills in : Eye irrigation Macular degeneration Glaucoma 	Lecture Practical Lecture	03	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To identify blindness as problem and resources available in the community for the blind 	how to assist the blind to make adjustments to a healthy life	Educational visit to blind school and Deaf school		Resource person from the blind and deaf school

8. Nursing management of patients with disorders of ear, nose, and throat

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> To describe nursing care for patients with ear disorders 	<ul style="list-style-type: none"> Ear disorders Hearing impairment Assisting the person with hearing impairment to live a normal life 	Lecture Practical	04	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To explain the nursing care for patients with disorders of the nose 	<ul style="list-style-type: none"> Epistaxis Sinusitis Nasal packing 	Lecture Practical	01	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To describe nursing interventions for patients with throat disorders 	<ul style="list-style-type: none"> Ludwig's angina Laryngitis Pharyngitis 	Lecture	03	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> To identify what are the skills in giving care to patients with problems of the throat & nose 	<ul style="list-style-type: none"> Tonsillitis Vocal cord paralysis 			
<ul style="list-style-type: none"> To summarize nursing care for the patients with eye and ENT disorders 	<ul style="list-style-type: none"> Skills in giving care to patients with problems of the throat & nose 	Tutorial	01	Lecturer from Department of Nursing and Midwifery

09. Nursing management for patients with immune disorders

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> • To describe nursing care for patients with immunodeficiency disease 	<ul style="list-style-type: none"> • Common variable immunodeficiency (Acquired hypogammaglobulinemia) • Selective IgA deficiency • Disorders of the complement • Acquired immune deficiency syndrome • Nursing care of patients with immune and inflammatory diseases 	Lecture	02	Lecturer from Department of Nursing and Midwifery
<ul style="list-style-type: none"> • To explain nursing care for clients with allergic disorders 	<ul style="list-style-type: none"> • Atopic disease • Allergic rhinitis/allergic rhinoconjunctivitis • Anaphylaxis • Food allergy • Drug allergy • Angioedema (and urticaria) 	Lecture	02	Lecturer from Department of Nursing and Midwifery

	<ul style="list-style-type: none"> • Nursing care of patients with allergic disorders • Sensitivity testing 	Practical		
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10. Care of patients with conditions of acute poisoning

Intermediate objectives	Broad content areas	Activity	Duration	Responsible/Resource person
<ul style="list-style-type: none"> • To describe nursing care for patients with acute poisoning (Educational visit to Poison center, NHSL) 	<ul style="list-style-type: none"> • Classification of acute poisoning • Specific agents causing poisoning • Preventive measures 	Lecture Educational visit		Resource person from the National poison Centre

Clinical Placements:

Total clinical hours (Medical nursing): 137.5 hours

This is a combined clinical rotation with surgical nursing 11 (275hours)

Within: clinical placement I - Medical/Surgical (Night Duty one night per week) (3 weeks)

clinical placement II - Cardiology, Cardiothoracic, Dialysis, Neurology, Eye, ENT (40 hours per week for 4 weeks)

clinical placement III - Surgical / Medical (15 hours per week for 10 weeks)

Assessment:

BSc. Nursing Part III examination – Theory and practice

MCQ 30 - 20 %

SEQ 03 - 30 %

Practical skills and Viva - 50 %

Recommended readings:

1. Smeltzer, S.C., Bare, B.G. (latest) **Brunner and Suddarth's textbook of Medical Surgical Nursing**, 8th Edition, Philadelphia: J.B. Lippincott.
2. Scherer, J.C., & Timby, B.K. (1995). **Introductory Medical-Surgical Nursing** (6th ed.). Philadelphia: J.B. Lippincott.
3. Swearingen, P.L., & Ross, D.G. (1999). **Manual of Medical-Surgical Nursing care: Nursing interventions and collaborative management** (latest edition). St. Louis : Mosby
4. Thelan, L.A., Urden, L.D., Lough, M.E, & Stacy, K.M. (1998). **Critical care nursing: Diagnosis and management** (latest edition). St. Louis : Mosby.
5. Theresyamma (2002) Operating room technique and Anaesthesia for General Nursing course, Jaypee Suddarth, D.S (latest edition) The Lippincot Manual of Nursing Practice, J.B. Lippincot Co.

Reference:

B.Sc. Nursing (Hons) Curriculum,2018. Bachelor of Science Honours in Nursing Degree Programme, University of Sri Jayewardenepura.