Endocrine Pathology

Duration: 04 Weeks (20 days)

Topic/ Concept	Objectives	Time	T/L activity	Responsible person	Comments
	Student should be able to,				
3/SBM-05/01 Hypopituitarism and hyperpituitarism Thyroid diseases Hypoparathyroidism, Hyperparathyroidism Hypo and hyperadrenalism	Recall actions of hormones of anterior pituitary / Posterior pituitary States the diseases related to the anterior/Posterior pituitary gland Recall actions of thyroid hormones State diseases related to the thyroid gland Recall actions of parathyroid hormones State diseases related to the parathyroid gland Recall actions of cortisol and diseases related to the adrenal gland	1	Lecture	Medicine	
3/SBM-05/02 **Thyroid diseases** Thyroid diseases : Pathological process (benign & malignant neoplasm) in relation to the pathology	a. Recall anatomy, histology and physiology of the thyroid gland b. List the benign and malignant neoplasms of thyroid **c.** Describe the aetiology, morphology and diagnosis of thyroid neoplasms Thyroiditis, Multinodular goitre, Diffuse goitre, colloid nodule, Fine Needle Aspiration Cytology	1	Lecture	Pathology	

3/SBM-05/03 **Diabetes mellitus** **i)** Aetiology of Diabetes ii) Mechanism of Hypo and hyperglycemia iii) Diagnostic criteria of diabetes mellitus	**a.** Understand that diabetes arises due to an interaction between genes and the environment (Genetic susceptibility) **b.** Possible genes for diabetes **c.** Environmental factors i. diet ii. lack of exercises iii. obesity iv. sedentary occupations v. stress **a.** Regulation of normal blood sugar - hypoglycemia - hyperglycemia **a.** Diagnosis in symptomatic patients **b.** Diagnosis in asymptomatic patients **c.** Use of FBS **d**. IGT/IFG	1	Lecture	Medicine	
3/SBM-05/04 **Measuring of metabolic control of Diabetes**	Describe the relevance of following analysis in measuring of metabolic control of Diabetes a) blood glucose b) glycosylated hemoglobin c) C- peptide	1 2	Lecture Practical	Biochemistry Pathology	
3/SBM-05/05 **Pathology of diabetic complications**	a. List the complications of diabetes b. Describe the pathogenesis of above complications c. Describe Histopathology in diagnosis of diabetes complications	1 1	Lecture Museum class	Pathology	
3/SBM-05/06 **Common endocrine problems in childhood**	Diabetes mellitus /Hypoglycaemia Hypo and hyperthyroidism adrenocortico insufficiency obesity and growth abnormalities	1 1	Lecture Lecture	Paediatrics	

3/SBM-05/07 **Measurements of endocrine dysfunction**	a. Recall the basis of testing endocrine functions and clinical relevance b. List routine tests that are available to detect endocrine malfunction c. Recall - i. hypothalamic – pituitary function ii. thyroid gland function iii. adrenal gland function iv. gonadal (male/female) function d. Correlate clinical features with laboratory investigations of the pituitary, thyroid, adrenal, gonadal disfunctions.	3	**1** Lecture + 2hrs Practical class	NMU	
3/SBM-05/08 **Inborn errors of metabolism**	Inborn errors of metabolism Investigations	1	Lecture	Paediatrics	
3/SBM-05/09 **Obesity**	List causes of obesity Explain importance of metabolic syndrome	1	Lecture	Medicine	

Systematic Pathology - I (Year 3 Semester 1)
Module Summary

	Lectures (hrs)	Museum class (hrs)	Practical (hrs)	Total (hrs)
Community Medicine	1			**1**
Pathology	28	3	2	**33**
Medicine	9			**9**
Radiology	4			**4**
NMU	4		2	**6**
Paediatrics	4			**4**
Biochemistry	1			**1**
Total	**51**	**3**	**4**	**58**

Names and departments of the teachers involved in the teaching programme:

Dept. of Pathology
Dr S Wijetunge
Dr R Waduge
Dr R.Gunawardena
Dr A Siribaddana

Head/ NMU

Dept. of Paediatrics
Prof. C.K. Abeysekera
Dr R Mudiyanse

Dept. of Medicine
Prof. N. Senanayake
Dr. C. Jayasinghe
Dr. I.B. Gawarammana
Dr T Jayalath
Dr A Medagama

Dept. of Radiology
Dr. B. Hewavithana

Dept. of Community Medicine
Dr. D. Medagedara

Examination Format - Year 3 Semester 1

Module	Credits	MCQ	Essay	Viva
Systematic Pathology - I	3.5	2 hr 40 MCQ (Covering Respiratory, Cardiovascular, Musculo Skeletal and Endocrine Pathology)	1 hr 2 Essays (Respiratory & Cardiovascular Pathology)	Viva