

# ENDOCRINE MODULE

## Learning objectives

At the end of this module, the 2<sup>nd</sup> year students will be able to:

- 1) Development, structure, hormones and regulation of pituitary gland, thyroid gland, parathyroid gland, endocrine pancreas, and adrenal glands

Subject	Competency	Topic	Learning objectives	Teaching Format	Assessment
Embryology	KNOWLEDGE	Pituitary gland	Describe the development of Anterior and posterior pituitary gland	Lecture	MCQs SEQs OSPE
Histology		Pituitary gland	Enlist the histological differences between anterior and posterior pituitary glands	Lecture	MCQs SEQs OSPE
<b>Theme- Neck swelling with bulging eyes and Tetany)</b>					
Gross anatomy	KNOWLEDGE	Thyroid gland	Describe the gross structure, lobes, relations, blood supply, venous drainage, nerve supply and lymphatic drainage of thyroid gland	LGF SGD	MCQs SEQs OSPE
Embryology		Thyroid gland	Describe the developmental events and anomalies of thyroid gland	Lecture	MCQs SEQs OSPE
		Parathyroid gland	Describe the developmental events of parathyroid gland and its anomalies	Lecture	
Histology		Thyroid gland	Describe the microscopic structure of thyroid gland	LGF	OSPE. MCQ SEQ

**Theme- (Increased thirst and urination)**

<b>Histology</b>	Knowl edge	Pancreas	Describe the histological features of pancreas and differentiate between exocrine and endocrine parts of pancreas
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### Theme- (Moon face)

<b>Gross anatomy</b>	K N O W L E D G E	Adrenal gland	Describe the gross anatomy and relations of adrenal glands on bothsides	LGF SGD	MCQs SEQs OSPE
<b>Embryology</b>			Describe the development of adrenal gland	Lecture	MCQs SEQs OSPE
<b>Histology</b>			Describe the microscopic picture of adrenal gland and differentiate between the various histological zones of adrenal gland	SGD Lecture	MCQs SEQs OSPE

### Practicles

<b>Histology</b>	Skills	Pituitary glands	Identify the structure of pituitary gland under microscope	SGF	OSPE
		Thyroid gland	Identify the structure of thyroid gland under microscope	SGF	OSPE
		Adrenal gland	Identify the structure of adrenal gland under microscope	SGF	OSPE