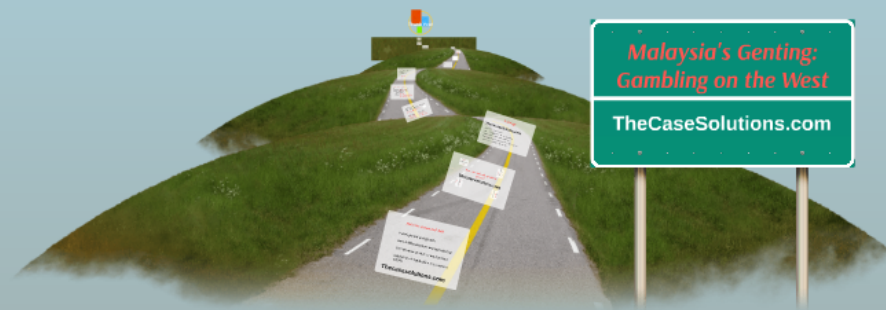




*Malaysia's Genting:
Gambling on the West*

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Endocrine system and child

Development and growth

sexual differentiation and reproduction

Maintenance of internal environment

regulation of metabolism and nutrition
supply

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single hormone affected

*hypothyroidism
growth hormone deficiency*

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Multiple hormones affected

hypoparathyroidism - 194, 472

Transient endocrine problems

*transient reduced insulin sensitivity after surgery
resolution of high dose steroid therapy*

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permanent/ life long endocrine problems

permanent hypoparathyroidism

Under functioning gland

*hypothyroidism
hypoparathyroidism*

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Hyper functioning gland

*hyperthyroidism
hyperaldosteronism*

*How can endocrine problems
present*

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Congenital

congenital hypoparathyroidism

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Acquired

diabetic ketoacidosis

Under functioning gland

Hypothyroidism
hypopituitarism

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Hyper functioning gland

hyperthyroidism
hyperaldosterinism

single hormone affected

hypothyroidism
growth hormone deficiency

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Multiple hormones affected

hypopituitarism - GH, TSH, ACTH

Transient endocrine problems

transient adrenal insufficiency after sudden cessation of high dose steroid therapy

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permanent/ life long endocrine problems

congenital hypothyroidism

Congenital

congenital hypopituitarism

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Acquired

diabetes mellitus

Aetiology

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Genetic factors - eg Diabetes mellitus

Dysgenesis or agenesis of glands - eg hypogonadism

Infections - eg meningitis --> pituitary gland infection

Trauma / surgical trauma - eg hypothyroidism/ hypoparathyroidism

Tumours - eg - brain tumour --> hypopituitarism