

# **Endocrine pathology scenarios**

- **Question 1**

- **A 21 year old lady presented at UTH Women and new born hospital complaining of an absence of monthly menstrual periods, a headache, and loss of peripheral vision. During you examination, you notice that she has a nipple discharge bilaterally.**
- a) what is the most likely diagnosis?
- b) why does the patient have the stated visual disturbance?
- c) explain the absence of menstrual periods in this lady.
- d) what diagnostic tests would you order?

- **Question 2**
- **a 34 year old lady presents at surgical department complaining of a growth in the anterior aspect of the neck. Her relatives inform you that her voice has recently become hoarse. You examine her and notice that the growth moves up when she swallows.**
- a) what is the most likely diagnosis?
- b) why has the voice become hoarse?
- c) what test would you order to help you in the diagnostic work up of this patient, and why?

- **Question 3**
- **A 40 year old man presents with a jaw mass. You perform a biopsy and send it to pathology wherein is reported as a brown tumour.**
- a) what hormone is most likely raised in this patient?
- b) what is a brown tumour?
- c) what endocrine lesion/tumour could this patient have?
- d) what other symptoms could this patient present with?

- **Question 4**
- **A 50 year old has been a diabetic for 7 years. He weighs 120kg and is 1.65m tall. He was initially on daonil and metformin, but this was later replaced by insulin.**
- a) what test would you order to determine glycemc control, and why?
- b) what are the microvascular complications of diabetes?
- c) what are the microvascular complications of diabetes?
- d) what type of diabetes does he have and what would you see histologically if a biopsy of his pancreas was taken?
- e) list 2 histologic lesion you would see in the kidneys of this man.

**End**