

## SOFT TISSUE 2

**Slide on the left:** *Scintigraphy image of a cat suffering with a thyroid adenoma.*

**Slide on the right:** *Intra-operative photograph of a thyroidectomy in a cat.*

**Both these slides are taken from a cat suffering from weight loss and tachycardia.**

1. (3 pts) Identify the lettered structures (A, B and C) on the slide on the **LEFT**?
  - a) **Salivary glands** (1 pt)
  - b) **Thyroid mass (adenoma)** (1 pt)
  - c) **Ectopic thyroid tissue** (1 pt)
  
2. (2 pts) What **TWO** drugs would you give this cat preoperatively in order to reduce the risks of anaesthesia?

**Thioureylene antithyroid drugs – Carbimazole, Methimazole, Propylthiouracil** (1 pt)  
**Beta-adrenoceptor blocking agents - Propanolol** (1 pt)
  
3. (1 pt) What surgical technique is depicted on the slide of the **RIGHT**?

**(Modified) intracapsular thyroidectomy** (1 pt)
  
4. (1 pt) What is the main systemic complication of this procedure, when performed bilaterally?

**Hypocalcaemia** (1 pt)
  
5. (2 pts) Name **TWO** management options for the complication described in question 4?

**Intravenous infusion of calcium chloride or calcium gluconate** (1 pt)  
**Subcutaneous injection of calcium gluconate** (1 pt)  
**Oral administration of dihydrotachysterol (synthetic vitamin D)** (1 pt)
  
6. (1 pt) What is the most effective non-surgical treatment for the condition shown in these slides?

**Radioactive iodine<sup>131</sup>** (1 pt)



