

Endocrine SAQ.

A 27 year old female attends the emergency department. She is agitated and confused. History reveals that she underwent radioiodine treatment 2 days previously and she has felt unwell since. She has a pulse of 143/min, in atrial fibrillation, she is normotensive and has a temperature of 38°C. She is complaining of central abdominal pain.

- 1) What is the likely diagnosis? *Thyroid storm/crisis* (1)
- 2) Outline which 4 investigations you would carry out. (4)

ECG.

T3/T4 levels/TSH.

Amylase.

FBC/UE/Glucose/Cultures.

CXR

- 3) Outline your immediate management (5)

A- may require intubation

B- supplemental O2 +/- ventilation

*C- Propranolol 1mg IV over one minute or 40 mg PO or Esmolol
500mcg/kg bolus then 50-200mcg/kg/min*

IV fluids Normal Saline

Carbimazole 25mg PO/NG

Other Paracetamol/ tepid sponges/ fan

Consider IVAntibiotics

Consider sedation