

OSCE

Candidate information

A Registrar has seen a patient they are concerned about and wish to discuss the case with you. The patient is a 30 year old female who is 3 months post-partum and presented yesterday for a CTPA, which was negative for PE. She has returned today with features concerning for sepsis. Your registrar cannot find a source of sepsis and has calculated her qSOFA score as 2 (RR and GCS). The Registrar is unsure whether to start antibiotics and wants to discuss the case with you.

Domain	%
Medical expertise	30
Prioritisation and decision making	
Communication	20
Teamwork and collaboration	
Leadership and management	20
Health advocacy	
Scholarship and teaching	30
Professionalism	

Actor (Reg) information

You have been seeing a 30 year old female who is 3 months post-partum and presented yesterday for a CTPA, which was negative for PE. She has returned today with features concerning for sepsis. You cannot find a source of sepsis and have calculated her qSOFA score as 2 (RR and GCS). You are unsure whether to start antibiotics and have found your consultant to present the case and discuss options.

Obs:

BP 208/108

HR 138 AF

RR 28

Sats 100% RA

GCS 13/15

T 40°C

Prompts:

- What do you think this could be?
- Could it be related to her pregnancy or the contrast she had?
- Management of thyroid storm:
 - o Supportive – fluids (with glucose), cooling, panadol
 - o Propanolol 1mg IV increments or esmolol boluses 50-100mcg/kg/min
 - o Hydrocortisone 200mg IV QID (adrenal insufficiency and reduces T4 release and conversion)
 - o PTU (propylthiouracil) – 1g PO, then 250mg QID to reduce thyroid hormone release and decrease conversion of T4-T3
 - o After PTU give Lugol's iodine 5 drops of sodium/potassium iodide

Marking:

	Mark
Identifies thyroid storm	2
Appropriate management for thyroid storm with doses	2
Orders appropriate tests*	2
Acknowledges sepsis possible but unlikely (elevated BP) unless cerebral source	1
DDx options mentioned – sepsis, thyroid, drug OD, cardiomyopathy, other	1
Identifies pregnancy and iodine from CTPA as likely precipitant	1
Teaching style/manner to Reg	1

* Tests: FBE/EUC/CMP/GLU/TFT/LFT/CK/COAGS

Props:

CXR – APO and cardiomegaly

LFTs (deranged)

ECG – AF