

QEHB SDEC Pathway for Suspected PE in Pregnancy/Puerperium*

*6 weeks post-partum

Signs <ul style="list-style-type: none"> Breathlessness Chest pain Cough Haemoptysis Collapse* DVT 	Symptoms <ul style="list-style-type: none"> Low grade fever Tachycardia (>100 bpm) Tachypnoea Shock* Hypoxia (sats <90% on air)* Raised JVP* Loud S2, ventricular heave* Pleural rub/effusion
Other risk factors <ul style="list-style-type: none"> Post orthopaedic/neurosurgery Underlying malignancy 	

Investigations
 Bloods – FBC, U&E, LFT, PT/INR, aPTT, Fgn
 CXR – unless a DVT is suspected
 ECG – for features of right heart strain*
 ABG – if sats <90% on air*

***HIGH RISK FEATURES?**

- Haemodynamic instability or shock
- Hypoxia
- Syncope
- Features of right heart failure or strain

YES → **ADMIT Senior review**

Anticoagulation for PE in pregnancy

- If high clinical suspicion of PE or DVT, start anticoagulation with LMWH immediately
- Do not wait for results of bloods to start
- Do NOT perform D-dimer testing or thrombophilia screen

Dose

- Based on pre-pregnancy booking weight, except if suspected significant weight change

Pre-pregnancy booking weight	Enoxaparin dose
≤ 50 kg	40mg BD
50-69kg	60mg BD
70-89kg	80mg BD
≥ 90kg	100mg BD

- Speak to on-call haematologist if ANY of the following:
 - Current weight > 126kg
 - GFR < 30ml/min or creatinine > 150
 - High risk e.g. mechanical heart valve, breakthrough thrombosis

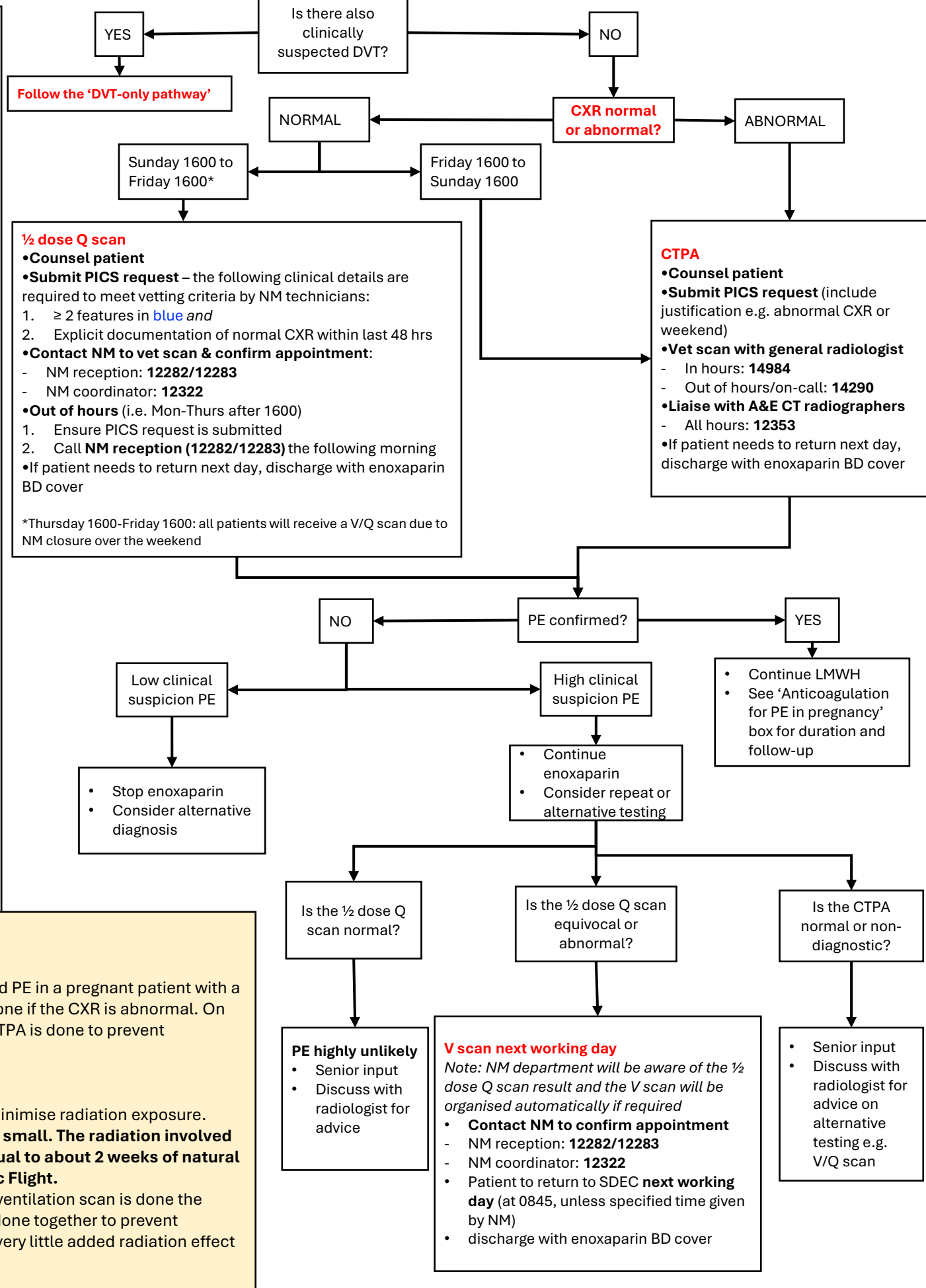
Duration of treatment

- To be continued for remainder of pregnancy & at least 6 weeks post-partum, for a total of at least 3 months altogether
- Prescribe a 4-week course on discharge

Follow-up

- Email bwf.referrals.westmidsmatmed@nhs.net with patient details, and a summary of diagnosis/treatment
- PICS referral to Anticoagulation Discharge Service
- Inform patient to let their community midwife know and provide a copy of their discharge letter

For acute obstetric concerns, contact on-call obs/gynae reg via BWH switchboard



Counselling patients

Current practice at UHB for investigating suspected PE in a pregnant patient with a normal CXR is a ½ dose Q scan. CTPA should be done if the CXR is abnormal. On weekends when V/Q scanning is not available, a CTPA is done to prevent diagnostic delay.

½ dose Q scan (V/Q scan)

- A ½ dose Q scan (perfusion only) is done to minimise radiation exposure.
- The absolute risk to the foetus is extremely small. The radiation involved in a pregnant patient's ½ dose Q scan is equal to about 2 weeks of natural background radiation, or to a Trans-Atlantic Flight.
- If ½ dose Q scan is abnormal or equivocal, a ventilation scan is done the following day (except Fridays when both are done together to prevent diagnostic delay over the weekend). There is very little added radiation effect with ventilation scanning.

CTPA

- This is available in and out of hours.
- There is a 13.6% increase in breast cancer risk with CTPA in pregnancy. For example, for a 25-year-old female patient, their background risk of developing breast cancer in 10 years is about 1 in 1,000. If they were to have a CTPA in pregnancy, this would increase their 10-year risk to 1.136 in 1,000.