QEHB SDEC Pathway for Suspected PE in Pregnancy/Puerperium* *6 weeks post-partum Symptoms Investigations *HIGH RISK FEATURES? •Low grade fever Signs Bloods - FBC, U&E, LFT, PT/INR, Breathlessness •Tachycardia (>100 bpm) Haemodynamic aPTT, Fgn instability or shock Chest pain Tachypnoea ADMIT YES CXR – unless a DVT is suspected Cough •Shock* Hypoxia Senior review Hypoxia (sats <90% on air)* ECG - for features of right heart Syncope Haemoptysis Raised JVP* Features of right Collapse* strain* •Loud S2, ventricular heave* heart failure or strain DVT ABG - if sats <90% on air* Pleural rub/effusion Other risk factors Post orthopaedic/neurosurgery NO Underlying malignancy Is there also Anticoagulation for PE in pregnancy clinically YES NO suspected DVT? •If high clinical suspicion of PE or DVT, start anticoagulation with LMWH immediately Follow the 'DVT-only pathway' **CXR** normal NORMAL **ABNORMAL** · Do not wait for results of bloods to start or abnormal? Sunday 1600 to Friday 1600 to •Do NOT perform D-dimer testing or thrombophilia Friday 1600* Sunday 1600 ½ dose Q scan Based on pre-pregnancy booking weight, except if suspected significant weight change Counsel patient •Submit PICS request – the following clinical details are Enoxaparin dose Pre-pregnancy •Submit PICS request (include required to meet vetting criteria by NM technicians: justification e.g. abnormal CXR or booking weight ≥ 2 features in blue and weekend) Explicit documentation of normal CXR within last 48 hrs ≤ 50 kg 40mg BD Vet scan with general radiologist •Contact NM to vet scan & confirm appointment: 50-69kg 60mg BD NM reception: 12282/12283 In hours: 14984 Out of hours/on-call: 14290 70-89kg 80mg BD NM coordinator: 12322 •Liaise with A&E CT radiographers •Out of hours (i.e. Mon-Thurs after 1600) ≥ 90kg 100mg BD All hours: 12353 Ensure PICS request is submitted •If patient needs to return next day, Call NM reception (12282/12283) the following morning Speak to on-call haematologist if ANY of the discharge with enoxaparin BD cover following: •If patient needs to return next day, discharge with enoxaparin Current weight > 126kg BD cover GFR < 30ml/min or creatinine > 150 *Thursday 1600-Friday 1600: all patients will receive a V/Q scan due to High risk e.g. mechanical heart valve, NM closure over the weekend breakthrough thrombosis To be continued for remainder of pregnancy & at PE confirmed? least 6 weeks post-partum, for a total of at least 3 NO months altogether Prescribe a 4-week course on discharge Continue LMWH Low clinical High clinical See 'Anticoagulation Follow-up suspicion PE suspicion PE Email bwc.referrals.westmidsmatmed@nhs.net for PE in pregnancy' box for duration and with patient details, and a summary of follow-up diagnosis/treatment Continue PICS referral to Anticoagulation Discharge enoxaparin Stop enoxaparin Service Consider repeat or Inform patient to let their community midwife Consider alternative alternative testing know and provide a copy of their discharge letter diagnosis For acute obstetric concerns, contact on-call obs/gynae reg via BWH switchboard Is the 1/2 dose Q scan Is the CTPA Is the 1/2 dose O equivocal or normal or nonscan normal? **Counselling patients** abnormal? diagnostic? Current practice at UHB for investigating suspected PE in a pregnant patient with a normal CXR is a 1/2 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 Senior input diagnostic delay. PE highly unlikely V scan next working day Note: NM department will be aware of the ½ Discuss with Senior input radiologist for dose Q scan result and the V scan will be Discuss with 1/2 dose Q scan (V/Q scan) advice on organised automatically if required radiologist for A ½ dose Q scan (perfusion only) is done to minimise radiation exposure. Contact NM to confirm appointment alternative advice The absolute risk to the foetus is extremely small. The radiation involved testing e.g. NM reception: 12282/12283 in a pregnant patient's ½ dose Q scan is equal to about 2 weeks of natural NM coordinator: 12322 V/Q scan background radiation, or to a Trans-Atlantic Flight. Patient to return to SDEC next working If ½ dose Q scan is abnormal or equivocal, a ventilation scan is done the day (at 0845, unless specified time given following day (except Fridays when both are done together to prevent by NM) discharge with enoxaparin BD cover 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.

Updated 5.8.24 Contact <u>Sama.al-sharifi@uhb.nhs.uk</u> for queries