

SIR CHARLES GAIRDNER OSBORNE PARK HEALTH CARE GROUP  <b>PULMONARY EMBOLISM INITIAL DIAGNOSTIC PATHWAY</b>	Family name: _____	URN: _____
	Given name(s): _____	
	Gender: _____	DOB: _____

Read and follow ALL stages in the pathway until end point is reached or pathway is altered by advice from a consultant  
**THIS FORM MUST BE FULLY COMPLETED OR TESTS WILL BE REFUSED**

**Stage 1: DETAILS**

Doctor's name	Doctor's signature	Doctor's DECT / page	Date (DD/MM/YY)
_____	_____	_____	_____
<input type="checkbox"/> Intern	<input type="checkbox"/> RMO	<input type="checkbox"/> Reg	<input type="checkbox"/> Cons

**Stage 2: CLINICAL ASSESSMENT**

If hypotensive, hypoxic O<sub>2</sub> Sats <90% or PaO<sub>2</sub> <60, HR >120 or signs of shock, call consultant re urgent management (+MET on ward if criteria met)

History, examination, (includes DVT/leg exam): Is PE a realistic differential diagnosis?  
 Investigations: O<sub>2</sub> Sats, ECG, FBC, UE, ± VBG/ABG, 'hold' a blue tube (for coag and D-dimer if required later), CXR

**Stage 3: WELLS PRE-TEST PROBABILITY**

- 3 Signs of DVT (at least leg swelling and deep venous pain)
- 3 PE most likely (or as likely) cause for symptoms / signs
- 1.5 Previous objectively diagnosed DVT or PE
- 1 Active cancer (<6/12 since therapy / palliative stage)
- 1.5 Recent immobilisation (can only score once)
  - Bed rest
  - POP lower limb > 2/52
  - Post-op 4/52 or less
- 1.5 Heart rate >100 at rest
- 1 Haemoptysis by history

<b>Wells PTP</b>

Points for Wells PTP (circle appropriate)

0 - 1.5 = Low ( < 20%)  <b>GO TO STAGE 4</b>	2 - 6 = Intermediate (20-50%)  <b>GO TO STAGE 5</b>	≥6.5 = High ( >50%)  <b>GO TO STAGE 8</b>
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**Stage 4: PERC RULE**

- Does the patient score <2 points in Stage 3 or is the patient low risk as judged by an experienced practitioner
- Age <50y
- Heart rate <100
- O<sub>2</sub> Sats at room air >94%
- No Hx of DVT / PE
- No recent trauma / surgery
- No haemoptysis
- No exogenous oestrogen
- No clinical signs suggestive of DVT (unilateral leg swelling)
- No COVID in the past 6 months

**Points for PERC rule**  
 If ALL PERC rule boxes ticked:  
**PE EXCLUDED, PATHWAY ENDS HERE**  
 (INVESTIGATE ALTERNATE DIAGNOSIS)  
 OTHERWISE **GO TO STAGE 5**

**Stage 5: IS A D-dimer REQUIRED? (HIGH SENSITIVITY)**

Do ANY of the following exclusion criteria apply?

- |  |  |
|--|--|
| <input type="checkbox"/> Symptoms > 7days  | <input type="checkbox"/> Current hospital inpatient                                    |
| <input type="checkbox"/> 3 <sup>rd</sup> trimester pregnancy or < 1/52 post-partum       | <input type="checkbox"/> Unstable patient  |
| <input type="checkbox"/> Recent major trauma in the past < 1/52                          | <input type="checkbox"/> Other DVT / VTE / major thrombosis diagnosed in previous 1/52 |
| <input type="checkbox"/> Invasive surgery (major ortho / body cavity) in the past < 1/52 |  |

If ANY box is ticked do **NOT** do a D-dimer: **GO TO STAGE 8**  
 If none of the criteria apply, do a D-dimer: **GO TO STAGE 6**

