|   | USE PATIENT LABEL WHEN AVAILABLE  |   |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|
|   |   | ID NUMBER:  | ID NUMBER:                                   |  |  |  |  |  |
|   | Surname:  | DI FACE DI ACE                                    |  |  |  |  |  |  |
| PULMONARY EMBOLISM INITIAL DIAGNOSTIC   | Forename:   | PLEASE PLACE PATIENT LABEL WITHIN THIS BOX        |  |  |  |  |  |  |
| PATHWAY   |   |   |  |  |  |  |  |  |
|   | Gender:   | С   | OOB:   |  |  |  |  |  |
|   | CONFIRM 3 POI   | NT PATIENT ID: YES                                | ,  |  |  |  |  |  |
| Read and follow <u>ALL</u> stages in the pathway until end point is reached or pathway is altered by advice from a consultant <b>THIS FORM MUST BE FULLY COMPLETED OR TESTS WILL BE REFUSED</b>                         |   |   |  |  |  |  |  |  |
| Stage 1: DETAILS  |   |   |  |  |  |  |  |  |
| Doctor's name Doctor's signature  |   | Doctor's contact                                  | Date (MM/DD/YY)                              |  |  |  |  |  |
| Ç .   |   |   | ,  |  |  |  |  |  |
| ☐ Intern ☐ RMO  |   | □ Reg   | □ Cons                                       |  |  |  |  |  |
| Stage 2: CLINICAL ASSESSMENT  | Г   |   |  |  |  |  |  |  |
| 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 PROP  | BABILITY  | Stage 4: PERC                                     | RULE   |  |  |  |  |  |
| ☐ 3 Signs of DVT (at least leg swelling and dee   | p venous pain)  | ☐ Does the patient so                             | ore <2 points in                             |  |  |  |  |  |
| ☐ 3 PE most likely (or as likely) cause for symp  | Stage 3 or is the patient low risk as judged by an experienced practitioner |   |  |  |  |  |  |  |
| ☐ 1.5 Previous objectively diagnosed DVT or PE  | ☐ Age <50y  |   |  |  |  |  |  |  |
| ☐ 1 Active cancer (<6/12 since therapy / palliat  | ☐ Heart rate <100   | ☐ Heart rate <100                                 |  |  |  |  |  |  |
| ☐ 1.5 Recent immobilisation (can only score once  | e)  | ☐ O₂ Sats at room air                             | ☐ O₂ Sats at room air >94%                   |  |  |  |  |  |
| Bed rest  | □ No Hx of DVT / PE   |   |  |  |  |  |  |  |
| POP lower limb > 2/52   | ☐ No recent trauma / surgery  |   |  |  |  |  |  |  |
| Post-op 4/52 or less  |   | ☐ No haemoptysis                                  |  |  |  |  |  |  |
| ☐ 1.5 Heart rate >100 at rest   |   | ☐ No exogenous œstr                               | ogen   |  |  |  |  |  |
| ☐ 1 Haemoptysis by history  |   | ☐ No clinical signs sug<br>(unilateral leg swelli | ggestive of DVT<br>ng)                       |  |  |  |  |  |
| Points for Wells PTP (circle appropriate)   |   | Points f  | or PERC rule                                 |  |  |  |  |  |
| 0 - 1.5 = Low 2 - 6 = Intermediate ≥ (< 20%) (20-50%)   | 6.5 = High<br>(>50%)  |   | rule boxes ticked:<br>PATHWAY ENDS HERE      |  |  |  |  |  |
| GO TO STAGE 4 GO TO STAGE 5 GO  | TO STAGE 8  | (INVESTIGATE AL                                   | TERNATE DIAGNOSIS) E GO TO STAGE 5           |  |  |  |  |  |
| Stage 5: IS A D-dimer REQUIRED  | ? (HIGH SE  |   |  |  |  |  |  |  |
| De ANV of the following evaluation evitoric apply?  |   |   |  |  |  |  |  |  |
| ☐ Symptoms > 7days  |   | ,   | Currently on anticoagulants (NOAC, Warfarin) |  |  |  |  |  |
| ☐ 3 <sup>rd</sup> trimester pregnancy or < 1/52 post-partum   |   |   | Current hospital inpatient                   |  |  |  |  |  |
| Recent major trauma in the past < 1/52  |   | ☐ Unstable patient                                | r thromboois discressed                      |  |  |  |  |  |
| ☐ Invasive surgery (major ortho / body cavity)  | Other DVT / VTE / major in previous 1/52                                    | i uirombosis diagnosed                            |  |  |  |  |  |  |
| in the past < 1/52  If <u>ANY</u> box is ticked do <u>NOT</u> do a D-dimer: GO TO STAGE 8  If none of the criteria apply, do a D-dimer: GO TO STAGE 6   |   |   |  |  |  |  |  |  |

MOUNTAIN / ERCLEVE GENERIC V 3.1

|  |  | IMPORTANT: COMPLETE ALL RELEVANT TICK BOXES AND TEXT FIELDS TO SHOW YOUR CLINICAL REASONING   |   |  |  |  |  |  |  |
|--|--|---|---|--|--|--|--|--|--|
| Stage 6: D-dimer RESULT INTERPRETATION   |  |   |   |  |  |  |  |  |  |
| D-dimer not do (see Stage 5)   | one  | Low / Int / High pre-test probability   |   | Pre-test probability unchanged GO TO STAGE 7   |  |  |  |  |  |
| ☐ Negative —   |  | Low / Int pre-test probability  |   | PE EXCLUDED, PATHWAY ENDS HERE (INVESTIGATE ALTERNATE DIAGNOSIS)   |  |  |  |  |  |
|  |  | High pre-test probability   |   | Pre-test probability alters to LOW GO TO STAGE 7   |  |  |  |  |  |
| ☐ Age (>50y) adjusted result   |  | ALL the following apply: Age >50y Wells ≤ 4 D-dimer result < Age x 0.01ng/mL  |   | PE EXCLUDED, PATHWAY ENDS HERE (INVESTIGATE ALTERNATE DIAGNOSIS)   |  |  |  |  |  |
| ☐ Positive   |  | All other positive results where the above age related adjustment does not apply  |   | Pre-test probability unchanged GO TO STAGE 7   |  |  |  |  |  |
| Stage 7: REVISED PRE-TEST PROBABILITY SCORE (see Stage 6)  |  |   |   |  |  |  |  |  |  |
| ☐ Low  |  | ☐ Negative  |   | ☐ High   |  |  |  |  |  |
| Stage 8: FURTHER IMAGING AND INTERPRETATION OF RESULTS   |  |   |   |  |  |  |  |  |  |
| The preferred test in all patients <u>EXCEPT</u> :  Premenopausal females (breast cancer induction 1:150)  Dye allergy  Reduced creatinine clearance |  |   |   |  |  |  |  |  |  |
|  | I cancer / foetal abnormality rate                   | Re  |   | eatinine clearance   |  |  |  |  |  |
| CTPA result  | cancer / fœtal abnormality rate                      | Re  | duced cr  | eatinine clearance   |  |  |  |  |  |
| CTPA result  |  | Re  | duced cr  |  |  |  |  |  |  |
| CTPA result  Negative  | PTP<br>Low / Int                                     | PE EXCLUDED  Do USS lower limb or CT  | Outcon  | ne / results<br>e: PE EXCLUDED, INVESTIGATE ALTERNATIVE  |  |  |  |  |  |
|  | PTP  | PE EXCLUDED   | Outcon  Negative DIAGNO                               | ne / results<br>e: PE EXCLUDED, INVESTIGATE ALTERNATIVE  |  |  |  |  |  |
|  | PTP<br>Low / Int                                     | PE EXCLUDED  Do USS lower limb or CT venogram at time of CTPA to exclude DVT  | Outcom  Negative DIAGNO  Positive:                    | e: PE EXCLUDED, INVESTIGATE ALTERNATIVE PSIS   |  |  |  |  |  |
| □ Negative   | PTP Low / Int High Low / Int / High                  | PE EXCLUDED  Do USS lower limb or CT venogram at time of CTPA to exclude DVT  PE CONFIRMED: (if single subsof treatment over possible risks)  | Outcom  Negative DIAGNO  Positive:                    | e: PE EXCLUDED, INVESTIGATE ALTERNATIVE PE CONFIRMED   |  |  |  |  |  |
| □ Negative □ Positive  | PTP Low / Int High                                   | PE EXCLUDED  Do USS lower limb or CT venogram at time of CTPA to exclude DVT  PE CONFIRMED: (if single subs of treatment over possible risks)  PE not seen: PE EXCLUDED   | Outcom  Negative DIAGNO  Positive: egmental           | PE EXCLUDED, INVESTIGATE ALTERNATIVE SIS  PE CONFIRMED  clots, discuss with senior regarding benefit   |  |  |  |  |  |
| ☐ Negative ☐ Positive ☐ Alternative diagnosis ☐ Inadequate   | PTP Low / Int High Low / Int / High Low / Int / High | PE EXCLUDED  Do USS lower limb or CT venogram at time of CTPA to exclude DVT  PE CONFIRMED: (if single subsof treatment over possible risks)  PE not seen: PE EXCLUDED  | Outcom  Negative DIAGNO  Positive: egmental  DED, CON | PE EXCLUDED, INVESTIGATE ALTERNATIVE SIS  PE CONFIRMED  clots, discuss with senior regarding benefit  FIRMS ALTERNATIVE DIAGNOSIS  |  |  |  |  |  |
| ☐ Negative ☐ Positive ☐ Alternative diagnosis  | PTP Low / Int High Low / Int / High                  | PE EXCLUDED  Do USS lower limb or CT venogram at time of CTPA to exclude DVT  PE CONFIRMED: (if single subs of treatment over possible risks)  PE not seen: PE EXCLUDED  PE seen: PE CONFIRMED: (Consider VQ ± USS lower limb for CTPA to exclude DVT | Negative DIAGNO Positive: egmental DED, CON MED plus  | PE EXCLUDED, INVESTIGATE ALTERNATIVE ISIS  PE CONFIRMED  clots, discuss with senior regarding benefit  FIRMS ALTERNATIVE DIAGNOSIS  CO-EXISTANT DISEASE. Manage both conditions  repeat CTPA scan if conditions can be |  |  |  |  |  |

VQ‡

The preferred test in the following patients:

‡fœtal cancer / foetal abnormality / female cancer rate negligible

Premenopausal

Pregnancy (discuss with consultant)

Contra-indication to CTPA

| VQ / PLANAR or SPECT            | PTP  |  |  |  |  |
|---------------------------------|--|--|--|--|--|
| ± CT result                     | Low  | Intermediate                                   | High   |  |  |
| Negative (very low likelihood)  | PE EXCLUDED, INVESTIGATE<br>ALTERNATIVE DIAGNOSIS  | PE EXCLUDED, INVESTIGATE ALTERNATIVE DIAGNOSIS | PE EXCLUDED, INVESTIGATE ALTERNATIVE DIAGNOSIS |  |  |
| ☐ Positive                      | Do USS lower limb for DVT Positive: PE CONFIRMED Negative: CONSIDER CTPA ± INVESTIGATE ALTERNATIVE DIAGNOSIS | PE CONFIRMED                                   | PE CONFIRMED                                   |  |  |
| Indeterminate / Inadequate scan | Do USS lower limb for DVT Positive: PE CONFIRMED Negative: CONSIDER CTPA ± INVESTIGATE ALTERNATIVE DIAGNOSIS |  |  |  |  |

## Stage 9: DOCUMENT DIAGNOSIS IN NOTES

THIS DOCUMENT SHOULD BE FILED IN PATIENT NOTES