



(1) Wells Criteria	
Criteria	Points
Clinical signs and symptoms of DVT	<input type="checkbox"/> +3
PE is #1 diagnosis OR equally likely	<input type="checkbox"/> +3
Heart rate > 100	<input type="checkbox"/> +1.5
Immobilization at least 3 days OR surgery in the Previous 4 weeks	<input type="checkbox"/> +1.5
Previous, objectively diagnosed PE or DVT	<input type="checkbox"/> +1.5
Hemoptysis	<input type="checkbox"/> +1
Malignancy w/ treatment within 6 months or palliative	<input type="checkbox"/> +1
TOTAL	_____

(2) PERC Rule, is negative when all apply: best applies when Wells score 1.5 or less	
Criteria	
Age 50yr or under	<input type="checkbox"/>
Heart Rate 100 or less	<input type="checkbox"/>
Room air Saturation more than 95%	<input type="checkbox"/>
No unilateral leg swelling	<input type="checkbox"/>
No hemoptysis	<input type="checkbox"/>
No Surgery or Trauma in past 4wks requiring GA	<input type="checkbox"/>
No prior DVT or PE	<input type="checkbox"/>
No exogenous hormone use	<input type="checkbox"/>

(3) Age-Adjusted D-Dimer:	
Age <50yr:	Cutoff = 0.5 ug/ml
Age >50:	Cutoff = Age/100 ug/ml

(4) YEARS Criteria	
<input type="checkbox"/>	Any clinical signs of DVT
<input type="checkbox"/>	Hemoptysis
<input type="checkbox"/>	PE is the most likely diagnosis

- (5) V/Q Scanning: In pregnant patients with normal CXR, especially those with higher breast cancer risk, V/Q scan can be considered instead of CT-PA. The reduced radiation dose to the breasts will have to be balanced with reduced availability, reduced diagnostic utility, delayed testing with interval anticoagulation, and the need for admission or O/P care.
- (6) Dx is excluded for current ED workup purposes but might still require further evaluation by ICU/Thrombo/Med.
- This algorithm is not intended to replace clinical judgment
- Abbreviations: PE= Pulmonary Embolism, DVT=Deep Vein Thrombosis, CT-PA=CT Angiography of the Pulmonary Artery
- Thrombolytics Dose: tPA 10mg Push then 90mg infusion over 2h IV (In arrest 50mg in 2min, repeat in 15 min if no ROSC)
- References: *1* British Thoracic Society Standards of Care Committee Pulmonary Embolism Guideline Development Group (2003). British Thoracic Society guidelines for the management of suspected acute pulmonary embolism. *Thorax*, 58(6), 470-483. *2* Chan WS, et al. (2014). Venous thromboembolism and antithrombotic therapy in pregnancy: SOGC Clinical Practice Guideline. *J Obstet Gynaecol Can*, 36(6):527-553. *3* Thrombosis Canada. (2018, Sept 17). *Pregnancy: Diagnosis of DVT and PE*. Retrieved from: <https://thrombosiscanada.ca/wp-content/uploads/2019/04/Pregnancy-Diagnosis-of-DVT-and-PE-05Oct18.pdf> *4* Van der Pol LM, et al. (2019, Mar 21). *Pregnancy-Adapted YEARS Algorithm for Diagnosis of Suspected Pulmonary Embolism*. *N Engl J Med*, 380(12):1139-1149.