PULMONARY EMBOLISM SCREENING ENCOUNTER FORM

Patient's name: Data collection:		Age: Medical record #:
Symptom	Points	☐ D-dimer negative: PE ruled out.* ⁵¹⁰⁹
☐ Clinical signs and symptoms of deep venous thrombosis (DVT; leg swelling and pain with palpation of the	3.0	☐ p-dimer positive: Go to protocol for moderate- or high-risk patient:
deep veins)		☐ Moderate-risk patient: or ☐ High-risk patient:
☐ Pulmonary embolism (PE) as likely or more likely than an alternative diagnosis (based on the history and physical examination, chest radiography, electrocardiogram, and any blood tests that were considered necessary)	3.0	Order p-dimer test and either ventilation-perfusion (V/Q) scan or helical computed tomographic (CT) scan (the latter is preferred if the patient has chronic pulmonary disease): Normal V/Q scan: PE ruled out.† 500
☐ Heart rate > 100 beats per minute	1.5	☐ High-probability V/Q scan or positive helical CT scan‡: PE diagnosed. ⁵⁰⁰
☐ Immobilization (bed rest, except to access the bath-room, for at least 3 consecutive days) or surgery in the previous 4 weeks	1.5	 □ Nearly normal V/Q scan, low- or intermediate-probability V/Q scan, or any other helical CT result. Order bilateral ultrasound of leg veins:
☐ Previous objectively diagnosed DVT or PE	1.5	☐ Positive ultrasound examination: PE diagnosed.
☐ Hemoptysis	1.0	 Negative ultrasound examination. Base further evaluation on initial clinical risk assessment:
☐ Malignancy (treatment that is ongoing, within the past 6 months, or palliative)	1.0	☐ Low-risk patient: PE ruled out. 100
Total points:		 Moderate-risk patient and negative p-dimer test: PE ruled out. ¹⁰⁹
Risk score interpretation:		\Box High-risk patient and positive D-dimer test: PE ruled in
< 2 points: low risk (1.3 percent)		(consider angiogram to confirm diagnosis).
2 to 6 points: moderate risk (16.2 percent)		☐ Moderate-risk patient and positive p-dimer test, or high- risk patient and negative p-dimer test. Choose one of th
> 6 points: high risk (40.6 percent)		following options and manage according to the results:
		☐ Serial ultrasound at 1 and 2 weeks:
Other important data:		☐ Positive ☐ Negative
☐ Known thrombophilia		\Box Helical CT scan (if not already ordered):
□ Pregnant		☐ Positive ☐ Negative§
		\square V/Q scan (if not already ordered):
Other information from the history and physical examination:		☐ Positive ☐ Negative§
		\Box Pulmonary angiography :
		\square Positive \square Negative
		Assessment/plan:

- \star —Less than 2 percent PE with moderately sensitive d-dimer test (85 to 98 percent) and less than 1 percent PE with highly sensitive p-dimer test (greater than 98 percent).
- †—Approximately 1 percent with PE.
- $\ \, \pm \text{--Positive helical CT indicates intraluminal filling defects in segmental or larger pulmonary arteries}.$
- \S —Consider serial bilateral ultrasound examination of proximal leg veins in patients with negative results.
- |--Preferred in the following instances: if a subsegmental intraluminal filling defect is seen on initial helical CT scan; if there is a high-probability V/Q scan in a low-risk patient; if serial testing is not feasible; or if symptoms are severe and there is a need to exclude PE from the differential diagnosis.



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