Interpretation Criteria for V/Q Lung Scans		
Probability of PE	*Modified Biello Criteria*	*Modified PIOPED Criteria*
Normal	√ normal perfusion	√ normal perfusion
Low (0-19%)	√ small (<25% segment) V/Q mismatches √ focal V/Q matches without corresponding CXR consolidation √ perfusion defects substantially smaller than CXR abnormality	√ small perfusion defects regardless of number / ventilation scan finding / CXR finding √ perfusion defect substantially smaller than CXR abnormality; ventilation findings irrelevant √ V/Q match in ≤50% of one lung / ≤75% of upper / mid / lower lung zone; CXR normal / nearly normal √ single moderate perfusion defect with normal CXR; ventilation findings irrelevant √ nonsegmental perfusion defects
Indeterminate Intermediate (25-50%)	√ severe COPD with perfusion defects √ perfusion defect with corresponding CXR consolidation √ single moderate / large V/Q mismatch without corresponding CXR abnormality	√ 1 large (segmental) ± 1 moderate (subsegmental) V/Q mismatch √ 1-3 moderate (subsegmental) V/Q mismatches √ 1 matched V/Q with normal CXR
High (>85%)	√ perfusion defects substantially larger than CXR abnormalities √ ≥2 moderate (25-90% segment) / ≥2 large (>90% segment) V/Q mismatches; no corresponding CXR abnormality	√ ≥2 large (segmental) perfusion defects without match √ >2 large (segmental) perfusion defects substantially larger than matching ventilation / CXR abnormality √ ≥2 moderate (subsegmental) + 1 large (segmental) perfusion defect without match √ ≥4 moderate (subsegmental) perfusion defects; ventilation + CXR findings normal