QUESTION 77
A 50-year-old woman develops a dry cough and chest pain two days after a left total hip joint replacement. She has swelling of the left leg and a few basal crepitations. A chest X-ray shows bibasal collapse. Doppler ultrasonography of her legs does not demonstrate a clot.
The next most appropriate investigation is:
A. D-dimer assay.
C. pulmonary angiography.
D. computed tomographic (CT) pulmonary angiography.
E. venography.

Diagnosis of PE
Current Diagnosis of Venous Thromboembolism in Primary Care: A Clinical Practice Guideline from the American Academy of Family Physicians and the American College of Physicians
Ann Intern Med 2007;146 454-458 Open Access
http://www.annals.org/cgi/content/abstract/146/6/454
Recommendation is use clinical prediction rules – ie Wells criteria - she is intermediate scores 1 for leg swelling and 1 for post surgical bed immobilisation
So intermediate and high recommendation diagnostic imaging studies required
So V/Q or CT?
for specific and sensitive results from V/Q need - clear chest X-ray

so answer is :D CTPA