

CT ANGIOGRAPHY CHEST WITH CONTRAST,REASON

FOR EXAM: ,Shortness of breath for two weeks and a history of pneumonia. The patient also has a history of left

lobectomy.,TECHNIQUE: , Axial CT images of the chest were obtained for pulmonary embolism protocol utilizing 100 mL of

Isovue-300.,FINDINGS: , There is no evidence of any acute pulmonary arterial embolism.,The main pulmonary artery is enlarged showing a diameter of 4.7 cm.,Cardiomegaly is seen with mitral valvular calcifications.,Postsurgical changes of a left upper lobectomy are seen. Left lower lobe atelectasis is noted. A 7 mm and a 5 mm pulmonary nodule are seen within the left lower lobe (image #12). A small left pleural effusion is noted.,Right lower lobe atelectasis is present. There is a right pleural effusion, greater than as seen on the left side. A right lower lobe pulmonary nodule measures 1.5 cm. There is a calcified granuloma within the right lower

lobe.,IMPRESSION:,1. Negative for pulmonary arterial embolism.,2. Enlargement of the main pulmonary artery as can be seen with pulmonary arterial hypertension.,3.

Cardiomegaly with mitral valvular calcifications.,4.

Postsurgical changes of a left upper lobectomy.,5. Bilateral pleural effusions, right greater than left with bilateral lower lobe atelectasis.,6. Bilateral lower lobe nodules, pulmonary nodules, and interval followup in three months to confirm stability versus further characterization with prior studies is advised.