

A Case of the Week

Case 141

This week, we present three cases with swollen pulmonary hilum lympho-adenopathy except lung cancer as shown Figs 1, 2 and 3. The clinical findings and laboratory data are added in the figure legends.

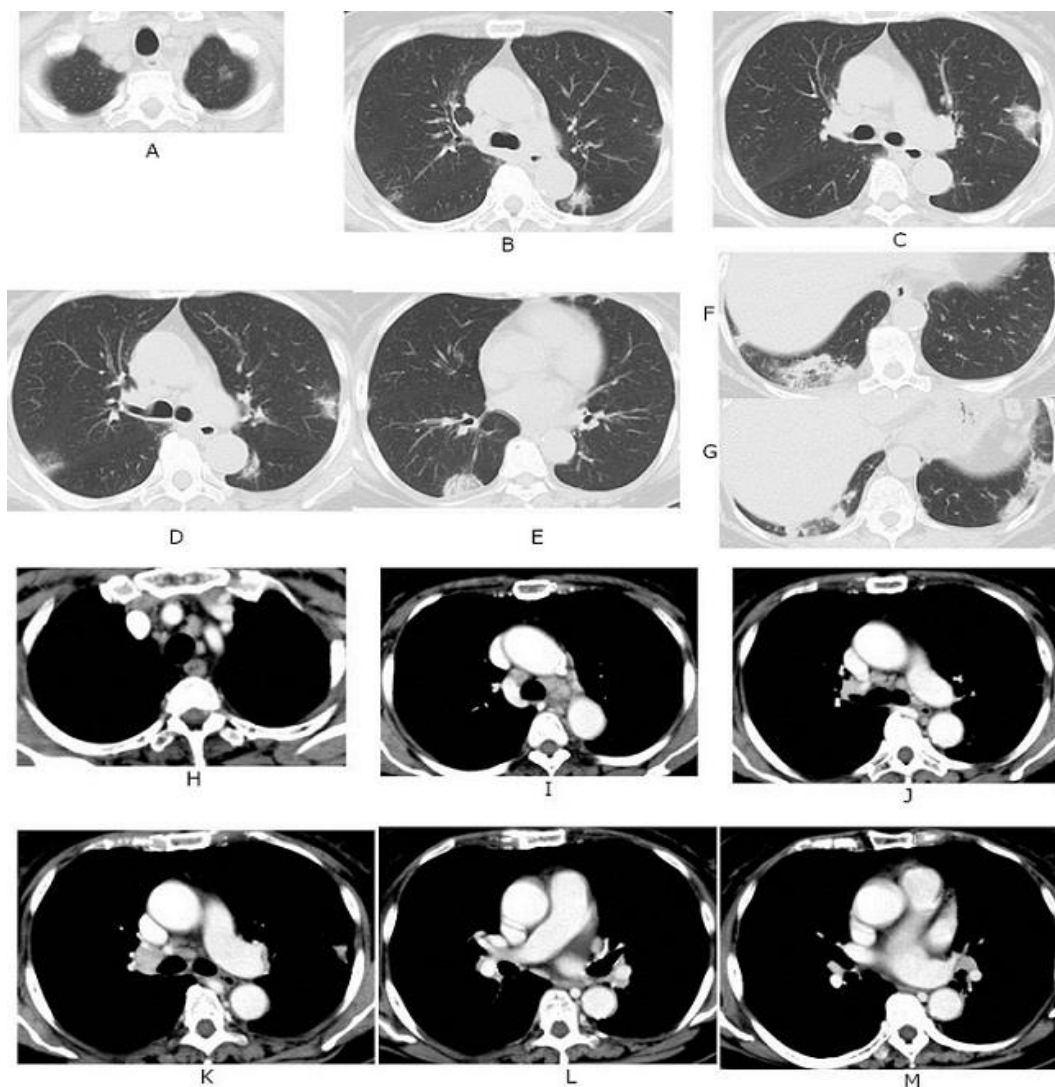


Fig.1 An eighty one-year-old female suffering from general fatigue and eczema on the bilateral swollen leg edema. Laboratory test revealed CRP 0.47 mg/dL, white blood cells 8660/mm³, eosinophils 8.2%, BNP (brain natriuretic peptide 32.3 pg/mL (< 100), IL-2 1590 U/mL (< 496), D dimer 2.30 µg/mL. Axial images of chest CT (A-G) depict small patchy shadow in the peripheral pulmonary area along with pleura. Enhanced chest CT using contrast medium depict swollen lymph-nodes in the mediastinum (H-K) and bilateral pulmonary hilum (J-M). Note that air bronchogram is found in the patchy or modular shadow (E).

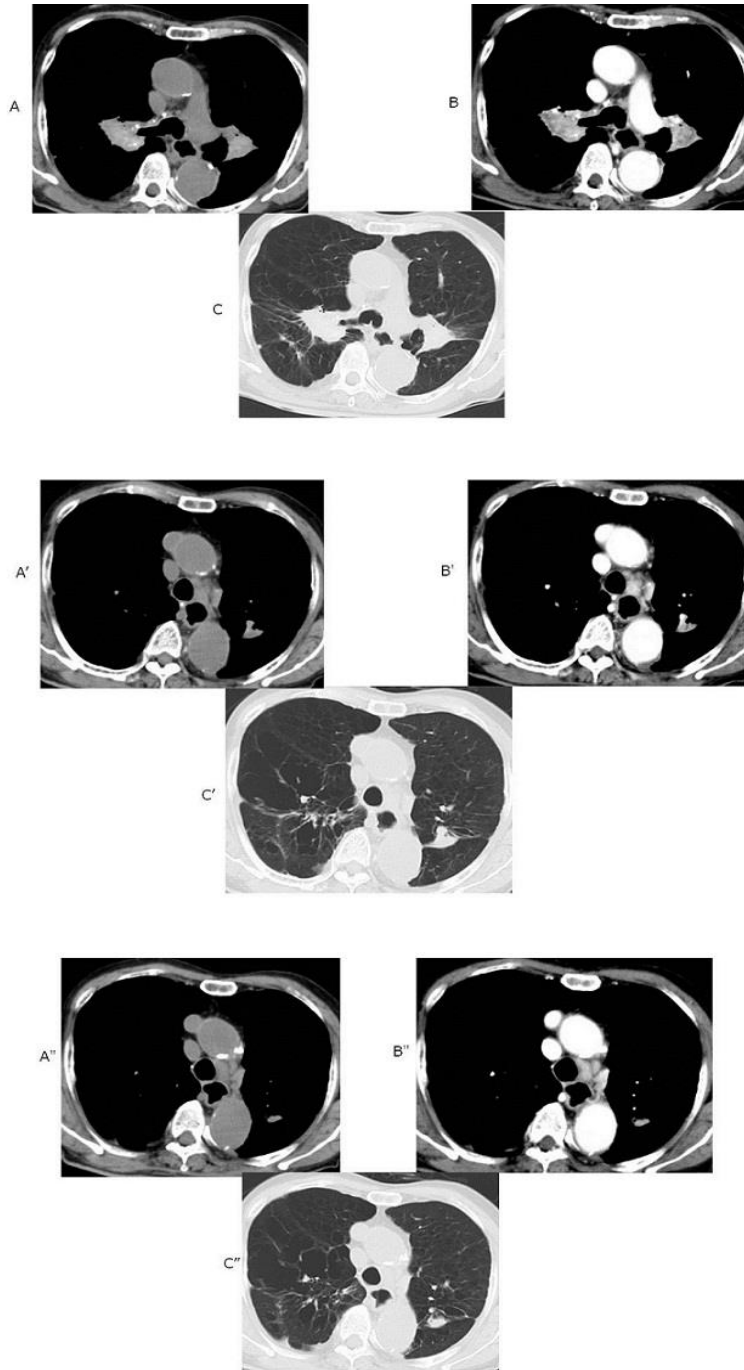


Fig. 2 An eighty eight-year-old male suffering from diabetes mellitus, brain infarction, cataract and hoping the thorough examination. He engaged in the work of firebrick for decades. Laboratory test revealed CRP 0.03 mg/dL, white blood cells 4110/mm³, creatinine 1.23 mg/dL. Non-enhanced chest CT (A, A', A''), enhanced chest CT using contrast medium (B, B', B'') and chest CT with pulmonary level (C, C', C'') depict swollen hilum lymph-nodes and swollen mediastinal lymph-nodes. Note that swollen hilum lymph-nodes include calcification.

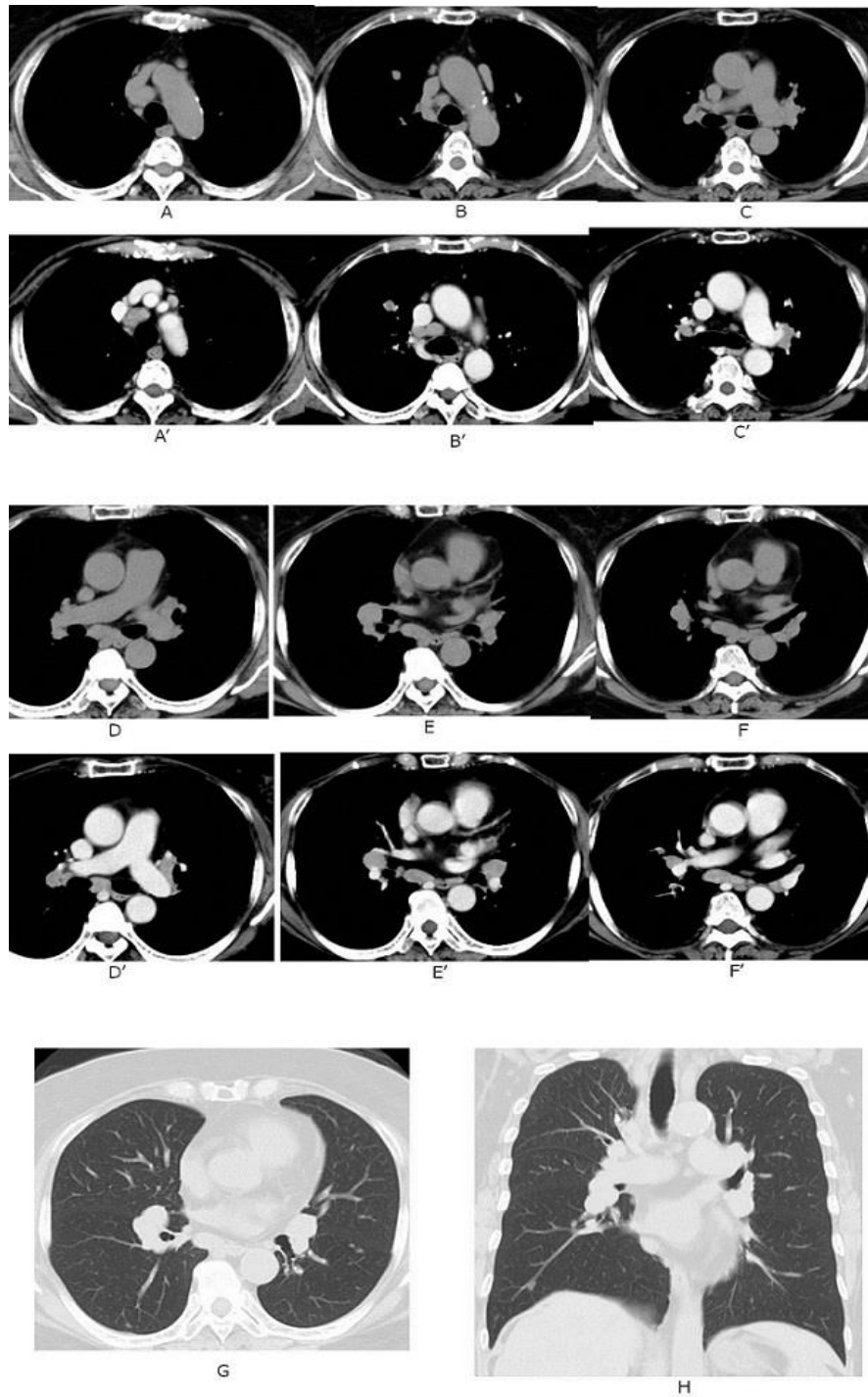


Fig. 3 A sixty five-year-old female suffering from high fever for 10 days. Laboratory test revealed CRP 0.08 mg/dL, white blood cells $5310/\text{mm}^3$. Biopsy of a skin nodule on the right knee is performed, indicative of skin sarcoidosis. Non-enhanced chest CT (A-F), enhanced CT using contrast medium (A'-F') and chest CT with pulmonary level (G, H) depict hilum swollen lymph-nodes (C-F, C'-F', G, H) and mediastinal swollen lymph-nodes (A, B, A', B').

What is the correct combination of medical diagnosis ?

1. Fig. 1 Sarcoidosis, Fig. 2 Pulmonary lymphoma, Fig. 3 Silicosis
2. Fig. 1 Sarcoidosis, Fig. 2 Silicosis, Fig. 3 Pulmonary lymphoma
3. Fig. 1 Pulmonary lymphoma, Fig. 2 Silicosis, Fig. 3 Sarcoidosis
4. Fig. 1 Pulmonary lymphoma, Fig. 2 Sarcoidosis, Fig. 3 Silicosis

answer

2019.4.3