An 18-years old man presented with cough and expectoration with fever for three months. His medical history included asthma and Type II diabetes mellitus. He was a nonsmoker. Imaging of the chest was undertaken, initially with plain radiographs [Figure 1] and subsequently with computed tomography [Figures 2 and 3].

What is the diagnosis?

**Figure 1:** Chest radiograph – PA view

**Figure 2:** CT chest – mediastinal windows

**Figure 3:** CT chest – lung windows