A 38 year old man with fever and macolopapular rash

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A 38 year old Iranian man presented with fever and nonproductive cough for 1 month. Patient developed non-pruritic rashes on hands, forearms (figure 1) and anterior aspect of legs a few days after his fever commencement. He didn’t have any history of allergy, previous lung disease, addiction, travel history or animal contact but had history of unpasteurized milk ingestion. The patient had received amoxicillin for 10 days without improvement before referring to the hospital.

On admission he had oral temperature of 38.5°C, his lung exam was normal and maculopapular rashes on hands and forearms were visible. He had no other finding in general physical examination. Laboratory investigations revealed 8500 WBCs/ml with 73% neutrophils and 20% lymphocyte, Wright and Coombs’ Wright tests were negative. Erythrocyte sedimentation rate was 70. Chest radiographs and chest CT scan are presented in figure 2.

Now, what is your diagnosis? (The answer is on page 175)

Figure 1. Macolopapular rash on hands

Figure 2. Chest X-ray and CT scan of the patients