A 30-year-old male with a past medical history of human immunodeficiency virus (HIV) infection presented with fever and worsening dyspnea on exertion for the past month. He had been admitted one month prior for suspected Pneumocystis jiroveci pneumonia (Figure 1), at which time his CD4 count was found to be 20 cells/cubic mm with a viral load of 28,583. He was admitted for four days and discharged on trimethoprim/sulfamethoxazole, as well as antiretroviral medications. Since discharge, his symptoms had continued to worsen, prompting his return visit. On presentation, his vital signs were notable for an oxygen saturation of 90% on room air, but were otherwise within normal limits. On examination, he appeared cachectic with oral thrush, diffuse coarse rales on pulmonary examination, and multiple small, dark brown lesions on his right shoulder and left knee. A chest radiograph was repeated (Figure 2), demonstrating worsening opacities, and he was admitted for further evaluation. He underwent both skin and bronchoscopic biopsy and was ultimately diagnosed with pulmonary and dermatologic Kaposi sarcoma. He was treated with liposomal doxorubicin and discharged after one week. At his one-month follow-up visit, he endorsed significant improvement in his symptoms and had an improved chest radiograph.

Kaposi sarcoma (KS) is a spindle-cell tumor with a variable course ranging from small mucocutaneous lesions to widespread cutaneous, visceral, and hematogenous dissemination. The classic triad of oral cavity lesions, skin lesions, and lymphadenopathy is often seen. Pulmonary involvement is common in AIDS-associated KS and can present with cough, dyspnea, and pleuritic chest pain.

Figure 1. Initial chest radiograph.

Figure 2. Subsequent chest radiograph demonstrating worsening opacities.
lesions to extensive, multi-organ involvement.\textsuperscript{1,2} HIV-related KS tends to have an aggressive clinical course and is the most common presentation of KS.\textsuperscript{1,2} KS should be considered in HIV-infected patients with low CD4 counts with any prolonged history of dermatologic lesions. Additionally, pulmonary KS should be considered in patients with worsening opacities on chest radiographs despite proper anti-infectious treatment, especially in the context of concomitant skin lesions. Treatment consists of resumption of antiretroviral therapy and chemotherapy with intravenous liposomal doxorubicin.\textsuperscript{1,3}

**Competing interests:** None to declare.

**Keywords:** Kaposi’s Sarcoma, Pulmonary, HIV, AIDS, Human Immunodeficiency Virus, Acquired Immune Deficiency Syndrome

**REFERENCES**