Double Scimitar Signs

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A 15-year-old boy was admitted to our hospital for an assessment of an abnormal chest X-ray. He was asymptomatic with an unremarkable past history. On the chest X-ray, two areas of curvilinear opacity indicative of the ‘scimitar sign’ were apparent in the left middle lung field (Pictures 1, 2). Chest computed tomography showed that the left superior pulmonary vein was absent, while two abnormal veins were observed as curved tubular structures originating from the
left upper lobe. These pulmonary veins were seen coursing through the anterior and inferior segments of the left upper lobe, joining the left inferior pulmonary vein and finally draining into the left atrium (Pictures 3, 4). We concluded that this case involved an anomalous unilateral single pulmonary vein (AUSPV). During the 8-month follow-up, the patient remained free of any symptoms.

Although 32 cases of AUSPV have been previously reported (1), there are no reports of double scimitar signs.

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Reference