

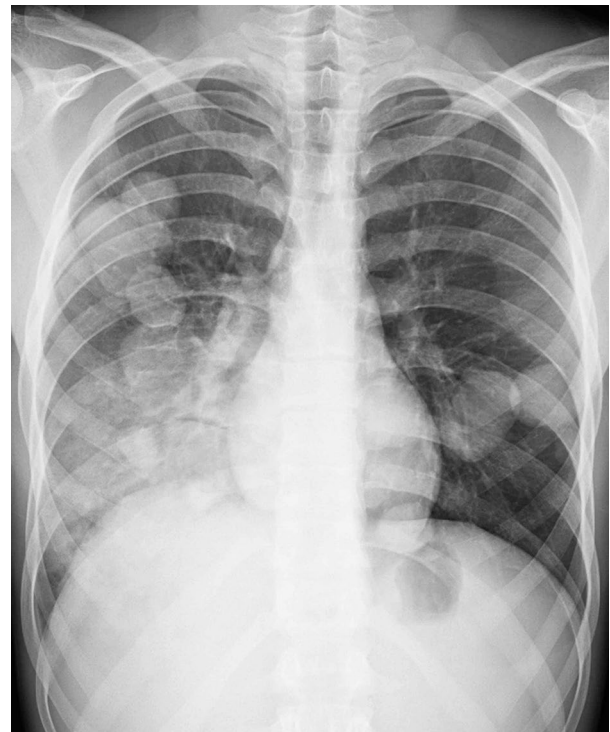


# Echinococcosis Granulosis Infection Mimicking Metastatic Cancer to Bilateral Lungs

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A 16-y-old boy presented with cough. Direct radiography revealed an appearance compatible with bilateral pulmonary metastatic nodules (Fig. 1). Computed tomography also revealed multiple smooth-edged cystic lesions in the liver. His medical history did not include any previous history of cancer and medication. The Echinococcus IgG ELISA test was positive. Patient first underwent right thoracotomy. A total of 9 hydatid cysts were detected; 5 in the lower lobe, 3 in the upper lobe and 1 in the middle lobe. Cystotomy and capitonage were performed for hydatid cysts. A month later, the same surgical procedure was performed for five hydatid cysts in the lower lobe of the left lung. Hydatid cysts are a common health problem in livestock farming areas. As in adults, the lung is the second most commonly affected organ after the liver in children [1]. They are mostly seen in the lower lobes and as solitary lesions in 70% of cases [2]. Multiple hydatid cysts are found in the lung in 30% of cases and bilateral involvement is observed in approximately 15% of cases [3]. Although the diagnosis of pulmonary hydatid cyst is usually easy in endemic areas, in some cases the hydatid cyst may mimic many benign and malignant diseases [2]. As in the present case, echinococcosis granulosis infection may mimic metastatic cancer to bilateral lungs.



**Fig. 1** Direct radiography showing metastatic cancer-like involvement of multiple hydatid cysts in both lungs

## Declaration

**Conflict of Interest** None.

## References

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