

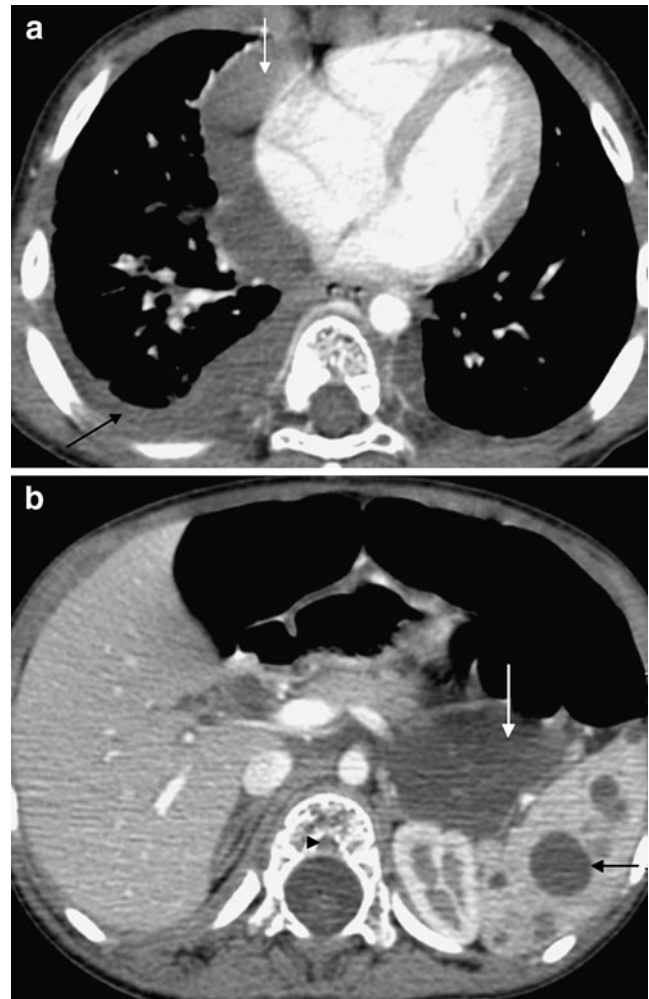
## Generalized cystic lymphangiomas

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A 2-year-old girl presented with acute shortness of breath and multiple subcutaneous nodules. Chest radiograph showed widening of the mediastinum. Contrast-enhanced CT of the thorax revealed interstitial thickening, lung nodules, pleural effusions (Fig. 1a, *black arrow*) and cystic mediastinal collections (Fig. 1a, *white arrow*). Sections of the abdomen showed ascites, multiple low-density lesions in the spleen (Fig. 1b, *black arrow*) and retroperitoneum (Fig. 1b, *white arrow*). No appreciable enhancement was noted following administration of contrast medium. Multiple osteolytic lesions with sclerotic margins were also detected in the vertebral bodies (Fig. 1b, *black arrowhead*). Drainage of the pleural effusions revealed chylothorax.

Generalized lymphangiomas is a rare disease, characterized by a diffuse proliferation of lymphatic vessels that can involve any organ except the central nervous system [1]. Prognosis depends on the site and extent of the lymphangioma [1]. Imaging features are characteristic and crucial in the evaluation of the complete extent of disease and, thus, may contribute to clinical management of the disease by preventing initial misdiagnosis [2].



**Fig. 1** Contrast-enhanced CT. **a** Axial thoracic image. **b** axial abdominal image

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### References

1. Brown LR, Reiman HM, Rosenow EC et al (1986) Intrathoracic lymphangioma. *Mayo Clin Proc* 61:882–892
2. Wunderbaldinger P, Paya K, Partik B et al (2000) CT and MR imaging of generalized cystic lymphangiomas in pediatric patients. *AJR* 174:827–832