

Differential Diagnosis of Mediastinal Masses: Radiologic Insights

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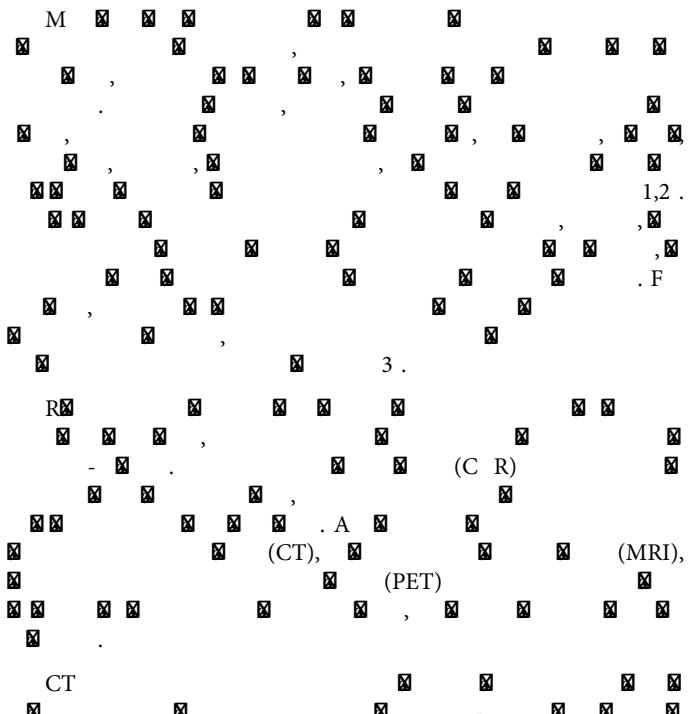
Abstract

This abstract provides radiologic insights for the differential diagnosis of mediastinal masses. It highlights the importance of multimodality imaging (CT, MRI, PET) and clinical context. Key findings include:

- Primary Tumors:** Lung cancer (most common), lymphoma, thymoma, and metastases.
- Non-tumorous Masses:** Aortic dissection, esophageal varices, and mediastinal lymphadenopathy.
- Imaging Findings:** CT shows mediastinal widening, lymphadenopathy, or vascular abnormalities. MRI provides soft tissue characterization. PET identifies metabolic activity.
- Management:** Biopsy is often required for definitive diagnosis. Treatment varies by tumor type, including surgery, radiation, or conservative management.

Keywords: Mediastinal mass; CT; MRI; PET

Introduction



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