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**Chest**

**MS03-2**

# An Anterior Mediastinal Mystery in a Patient with Breast Cancer

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A 60-year-old female presented to our hospital with a chief complaint of chest pain. She had a medical history of undergoing surgery for breast cancer three years ago, followed by chemotherapy and radiation therapy, and had since been doing well without any specific complications. Initially, a chest X-ray was performed, which raised suspicion of a mediastinal mass. Subsequently, a chest computed tomography (CT) scan was conducted for further evaluation. The CT scan revealed a huge mass measuring approximately 15 cm in craniocaudal diameter. On the CT images, the mass exhibited predominantly low attenuation with poor contrast enhancement. Given the patient's history of breast cancer, a positron emission tomography-CT (PET-CT) was performed keeping the possibility of recurrence in mind, which demonstrated mild fluorodeoxyglucose (FDG) uptake. Although evaluations up to PET-CT were completed, a definitive conclusion regarding the nature of this mass could not be reached. Therefore, a chest magnetic resonance imaging (MRI) was performed. Through this case, we aim to discuss what diagnostic conclusions and clinical insights can be drawn from the MRI findings in differentiating this mass from breast cancer recurrence.

*Keywords:* *Mediastinal mass, Hematoma, Tumor recurrence*