## What is the cause of this widened mediastinum?

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A 64-year old male, with diabetes mellitus, presented to the emergency room with atypical chest pain. A chest radiograph revealed a widened mediastinum with a hazygrey appearance alongside the ascending aorta and right cardiophrenic area, through which the bronchovascular structures can be visualised. These features are consistent with mediastinal lipomatosis. Mediastinal widening is considered present when the mediastinal width exceeds 8 cm measured at the aortic arch. Other causes of mediastinal widening (Table 1) have specific radiological features. A CT scan showed excessive mediastinal tissue with Hounsfield units of -50 to -100, consistent with adipose tissue. Mediastinal lipomatosis is a benign condition

Table 1.	Causes	of me	diastinal	widening	
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(Traumatic) Aortic dissection	Mediastinal lymphadenopathy	
Vascular anomalies	Enlarged pulmonary arteries	
Unfolded Aorta	Mediastinal masses	
Double superior vena cava	Thymus	
Aberrant right subclavian artery	Diaphragmatic hernia	
Azygos continuation of the IVC	Technical factors	
Lung	Rotation	
Atelectasis/Lung collapse	Poor inspiration	
Pulmonary masses abutting mediastinum	Supine position	
Mediastinal Lipomatosis		

characterised by the presence of excessive fat deposition in the mediastinum, and should be considered when the above radiological features are encountered with obesity, steroid use, alcoholism, Cushing's syndrome and diabetes mellitus.

