We report the case of a man aged 55 years who was referred to our department for investigation of arterial hypertension. He had only a previous diagnosis of situs inversus. At presentation, his blood pressure was 190/100 mm Hg in both arms, but significantly lower in lower limbs. The pulses were equal over both upper extremities, but lower limbs pulses were also weakly palpable. On cardiac auscultation, a grade II/VI systolic murmur was heard on the right scapular region.

Chest radiography showed dextrocardia and bilateral rib notching (figure 1).

The transthoracic echocardiography showed mild concentric hypertrophy and mild dilation of the ascending thoracic aorta; due to a poor suprasternal view, the aortic arch could not be adequately assessed.

Multislice CT angiography revealed a complete interruption of the aortic arch distal to the origin of the right subclavian artery (figures 2 and 3) and showed prominent collateral circulation to the descending aorta, predominantly via the internal mammary and intercostal arteries (figures 3 and 4).

After adjustment of antihypertensive drugs, it was achieved good blood pressure control. The case was considered for surgical repair, but, in view of the absence of symptoms, well-controlled blood pressure was maintained.
pressure and extensive collateral vascularisation, a conservative therapy was chosen.

This case demonstrated the importance of a rigorous physical examination in the evaluation of this patient, which can allow the diagnosis of infrequent causes of secondary hypertension.

Contributors CA collected the data and wrote the manuscript. CF was the doctor responsible for the orientation of the case. NF reported CT angiography and reviewed the images for the article. MP and NF reviewed the manuscript for important intellectual content. All the authors were involved in this clinical case and contributed to the conception of the work and gave final approval of this article.

Competing interests None declared.

Patient consent Obtained.

Provenance and peer review Not commissioned; externally peer reviewed.

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