A 61-year-old man with medical history of hypertension, smoking, and aortic valve replacement 5 years ago with a size 23 mechanical St. Jude aortic prosthesis presented with a 4-day history of lower abdominal pain and hemodynamic compromise. Abdominal examination revealed a tender, pulsatile aorta, and blood tests revealed acute renal failure. An urgent computed tomographic scan was performed. It revealed a dissection of the ascending aorta (►Fig. 1) with a large abdominal aortic aneurysm (►Fig. 2) associated with an aortocaval fistula (►Fig. 3). An endovascular treatment was proposed given the anticoagulated state (international normalized ratio at 2.75), but the patient died after a rapid deterioration of his hemodynamic status. We suppose that the aortic dissection, which was probably due to the past cardiac surgery, was the primary cause of the dissecting aneurysm of the abdominal aorta, which was subsequently complicated by aortocaval fistula.\(^1\) In such a case, endovascular treatment has its place, given the severity of the patient's hemodynamic status and the surgical difficulty\(^2\) due to the primary pathology and the anticoagulated state.
Fig. 1  Sagittal computed tomography (CT) scan that documents aortic dissection (Type A) and aortic aneurysm. 1, aortic dissection with the true and the false channel; 2, aortic aneurysm.

Fig. 2  Coronal reconstruction showing aneurysm of the aorta with early opacification of the inferior vena cava secondary to the aortocaval fistula. 1, nonaneurysmal aorta; 2, aneurysmal aorta; 3, inferior vena cava.

Fig. 3  Axial section of the aortocaval fistula. 1, aorta; 2, fistula; 3, inferior vena cava.

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Conflict of Interest
The authors declare no conflict of interest related to this article.

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References