A 39-year old man was admitted at our institution with interscapular pain and dyspnoea. Computed tomography (CT) scan showed an acute type B dissection originating from an aberrant right subclavian artery (Fig. 1). Due to refractory pain and kidney malperfusion, the patient underwent emergency aortic arch replacement with frozen elephant trunk (Fig. 2).

**Figure 1:** 3D Angio-computed tomography (CT) scan reconstruction showing type B dissection in the presence of an aberrant right subclavian artery coexisting with a common bicarotid trunk. The common carotid trunk arose as the first branch, followed by the left subclavian artery and the aberrant right subclavian artery.

**Figure 2:** Postoperative 3D angio-CT scan reconstruction. The patient underwent a hybrid procedure consisting of aortic arch replacement with a trifurcated Dacron prosthesis plus frozen elephant trunk. The right aberrant subclavian artery was ligated and its origin covered with the stent graft.