Unusual blunt aortic trauma injury

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Received 18 September 2011; received in revised form 19 October 2011; accepted 25 October 2011

Keywords: Aorta • Injury • Stent

A 45-year old male patient presented at our trauma unit after he was crushed under a falling refrigerator. An injury of the distal aorta was observed. A chest X-ray showed an abnormal posterior mediastinum (Fig. 1). Endograft repair was accomplished with cerebrospinal fluid drainage (Fig. 2). There was no evidence of either endoleak or paraplegia.

Figure 1: A chest X-ray showed an abnormal posterior mediastinum and the computed tomography (CT) showed an injury of the distal aorta (from the 11th level of thoracic spine to the supracoeliac aorta) with significant posterior mediastinal haemorrhage.

Figure 2: Transfemoral aortography showed traumatic aortic injury and 3D reconstruction of the thoracic aorta after stent graft (32 mm in diameter × 36 mm in length, SEAL S&G BIOTEC., Seongnam, Korea) in the distal thoracic aorta.