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Images in cardio-thoracic surgery

DeBekay repair for type III thoracoabdominal aortic aneurysm

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A 65-year-old man with abdominal pain, nausea and vomiting was diagnosed with thoracoabdominal aortic aneurysm, Crawford type III (Fig. 1). Immediate surgery was performed through 6th intercostal space and retro-

peritoneally, employing DeBakey repair (Fig. 2). Following repair, aneurysm sac was opened, bleeding points sutured, aneurysm neck suture ligated.



Fig. 1. Preoperative 64 slice computerized tomography of Crawford type III thoracoabdominal aortic aneurysm, maximal diameter of 10 cm.

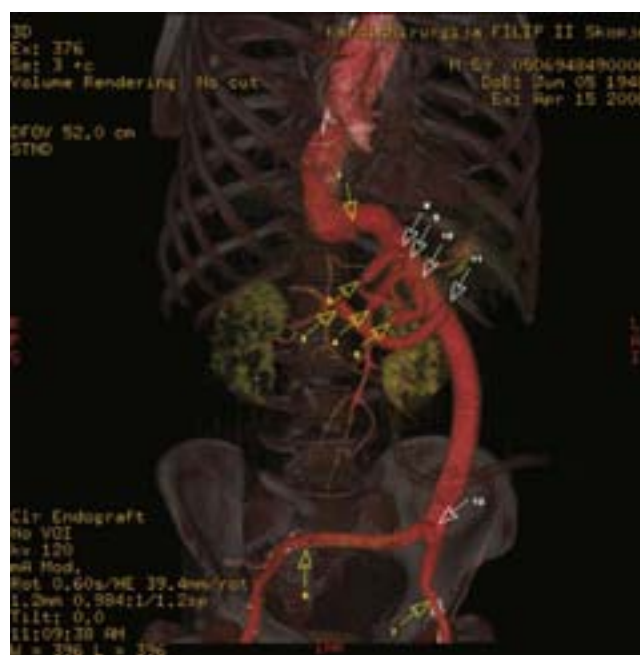


Fig. 2. Postoperative 64 slice computerized tomography of DeBakey type repair for Crawford type III thoracoabdominal aortic aneurysm. Arrow 1 indicating proximal end to side prosthesis implantation on distal thoracic aorta; arrow 2 implantation of the celiac trunk over short 10 mm vascular graft on the prosthesis (arrow 8); arrow 3 implantation of the right renal artery over short 10 mm vascular graft on the prosthesis (arrow 11); arrow 4 implantation of the superior mesenteric artery over short 10 mm vascular graft on the prosthesis (arrow 9); arrow 5 implantation of the left renal artery over short 10 mm vascular graft on the prosthesis (arrow 10); arrow 12 end to end anastomosis between tubular and bifurcated graft; arrow 6 end to end anastomosis between prosthesis and right external iliac artery; arrow 7 end to end anastomosis between prosthesis and left external iliac artery.

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