ORAL PRESENTATION





Endovascular stent-graft procedures in aorto-iliac pathologies: a single center experience

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Background

We present our early results of endovascular treatments for the pathologies involving aorta and iliac arteries.

Methods

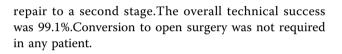
117 endovascular stent-graft procedures in 113 patients for thoracic, abdominal and iliac pathologies was performed at our institute between January 2009-April 2013. 94(83.1%) patients were male. Indications for endovascular interventions were as follows; 58 for abdominal aortic aneursym, 14 for descending aortic aneursym, 4 for both descending and abdominal aortic aneursyms, 2 for thoraco-abdominal aneurysm including visceral arteries, 22 for aortic dissection, 2 for penetrating ulcer, 6 for traumatic aortic rupture, 1 for intramural hematoma, 1 for bronchial artery aneurysm and 3 for common iliac artery aneursym. Chimney and periscope techniques were used in 2 patients and iliacbranched endograft was placed in 2 patients.

Results

25 of the 113 cases were treated emergently while the rest were elective procedures. Postoperative 30-day mortality was 6.19% (n=7). 5 of them had acute aortic pathologies (3 contained rupture,1 traumatic aortic rupture, 1 acute type-B dissection). The rest 2 patients died on the follow up period. Paraplegy occurred only in one patient(0.88%). Early endoleak rate was 21.2%, whereas late endoleak rate was 5.3%. 5 patients(4.2%) needed a second intervention. Visceral artery thrombosis was experienced in one patient during thoraco-abdominal aneurysm treatment with chimney technique,so the procedure was to be interrupted leaving abdominal aorta

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Conclusion

Endovascular aortic repair is an encouraging technique with low morbidity and mortality rates even in the emergency cases. Our early results of endovascular interventions correlate with the literature data.

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