INTRODUCTION AND OBJECTIVES

Iatrogenic arterial injuries are frequent in several kinds of procedures. The aim of the study was to evaluate the use of Viabahn stentgraft for the treatment of these complications.

MATERIAL

This study retrospectively reviewed all Viabahn stentgrafts used in iliofemoral territory from February 2016 to April 2019. We described demographic characteristics, surveillance, patency and technical features of the surgery.

RESULTS

18 cases in 16 patients were included, with a mean age of 65 (DS 19.5) years old.

The mean follow-up was 16 (DS 13.31) months.

Global surveillance at 6 and 12 months was 94.4% and 86.6% respectively.

Technical success was achieved in all cases. No secondary reinterventions were needed. There weren't any deaths related with the procedure.

As major adverse events three cases presented renal failure, one of them puncture site complication as well.

Primary patency at 6 and 12 months was 100%.

During follow-up, 3 cases presented lost of stent patency; two of them at 16 and 17 months, related to leg amputation caused by progression of oncological disease. Third case developed stenosis with clinical significance.

CONCLUSIONS

The use of Viabahn for the treatment of arterial complications related to endovascular procedures and oncologic surgery appears to be safe and presents excellent rates of patency in the first year.