

## ΑΝΕΥΡΥΣΜΑΤΑ ΣΤΗ ΘΩΡΑΚΙΚΗ/ΚΟΙΛΙΑΚΗ ΑΟΡΤΗ

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### MULTICENTRE STUDY OF EFFECTIVENESS OF MANTA CLOSURE DEVICE AFTER PERCUTANEOUS FEMORAL ACCESS FOR EVAR AND TEVAR

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**Introduction:** With the development of endovascular therapy with the use of big diameter sheaths or cannula there are now several techniques of closure available to allow percutaneous treatment. Percutaneous access for EVAR and TEVAR can reduce the operation time and the number of local complications, more over its improves a cosmetic results.

To evaluate the safety and effectiveness of MANTA close device employment after percutaneous femoral access for EVAR and TEVAR.

**Methods:** A retrospective multicenter study. All 212 patients were treated between April 2017 and October 2021 for abdominal aortic aneurysms and thoracic aortic pathology. There were 33 females and 179 males, the mean age was 68±6 years. In all patient through the femoral access was used 12-24F sheaths for grafts implantation. The primary effectiveness endpoint was a technical success, freedom of acute bleeding, thromboembolic events. After interventions in all cases were used groin elastic bandage for 24 hours.

**Results:** Technical success of MANTA closure device implantation was 100%. In two cases was groin hematom after 24 hours detected, no any revision was performed. CT-angio after interventions confirmed no any major vascular access site complications requiring surgical treatment. No thrombotic or embolic complication in first 30 days were detected. After 6-12 month control CT-angio no any local aneurysm detected.

**Conclusions:** MANTA closure device is safe and effective for vascular access closing after percutaneous femoral access for aortic grafts implantations.