

# Elephant Trunk and Hybrid procedures in DeBakey type I dissection: choice of best treatment technique

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**Aim:** to evaluate the best treatment method of DeBakey type I dissection according to size and localization of distal fenestration(s).

**Materials and methods:** 46 patients treated in 2013-2016 were included in the study: in 22 cases Borst procedure was performed, in 21 - FET, in 3 - Hybrid II type procedures. Pre- and postoperative CT-scans were analyzed with evaluation of aortic diameters, false lumen patency, localization and size of distal fenestrations.

**Results:** On preoperative CT-scans in 18 Borst group patients there was no fenestration in DTA or fenestration on the level of planned distal anastomosis or small fenestration in mid- or distal DTA was observed. Among them false lumen thrombosis along stent-graft developed in 13 (72%) cases. In Hybrid group false lumen thrombosis along stent-graft was observed in all 22 survived patients.

**Conclusions:** In type I dissection if no significant fenestration observed in DTA - Borst procedure is recommended, in acute cases with malperfusion or in cases with significant fenestrations in DTA - hybrid interventions should be performed.