A single center experience revising previous abdominal and thoracic aortic aneurysm repairs with a visceral manifold stent graft.

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Objective: To review the clinical results of the use of the investigational visceral manifold for the revision of failed abdominal and thoracic aortic aneurysm repairs.

Methods: A single center patient database was utilized to retrospectively review 25 patients who had a revision procedure using the visceral manifold stent graft system following previous abdominal or thoracic aortic aneurysm repair.

Results: Technical success was achieved in 23 of 25 patients treated, with 89 of the intended 92 visceral vessels being successfully stented. Two in-hospital deaths were recorded. To date, no device integrity related failures have been observed.

Conclusions: Early- and mid- term results of the use of the visceral manifold stent graft system suggests a potentially viable option for the revision of failed aortic aneurysm repairs. However, experience is limited and this approach needs to be studied further before widespread adoption.