# Endovascular treatment of TAAA type IV via branched CMD With short proximal Sealing

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### Background

- Spinal cord ischaemia (SCI) is a devastating complication associated with thoracoabdominal aortic repair, making patients undergoing branched/fenestrated endovascular repair (B/FEVAR) particularly vulnerable.
- SCI is associated with poorer outcomes and lower QOL
- Extent of aortic coverage is associated with higher risk of spinal cord ischemia
- Reported Risk of SCI after FEVAR for type IV TAAAs is 1,2%

## Background

With Off-the-Shelf devices high risk of SCI:

- Spanos, Kölbel et al 15-21%
- Spath et al > 3%
- Kitpanit et al 3-30%

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### Discussion

- CMD devices for the treatment of TAAA in segment IV with short sealing are related to low risk of SCI
- Despite of shorter proximal sealing, the risk of Graft migration was 0% in our experience
- CMD BEVAR could be considered as effective as FEVAR for such pathologies, in particular when FEVAR is not feasible
- A Limitation is the manufacturing time (minimum 1 month for high urgent orders)

