



# i-MEET

## NEXT GENERATION

Multidisciplinary European Endovascular Therapy

# Midterm results of hybrid interventions utilizing self-expanding interwoven nitinol stent in patients with extensive femoropopliteal lesions involving the ostial part of the superficial femoral artery

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# Disclosure of Interest

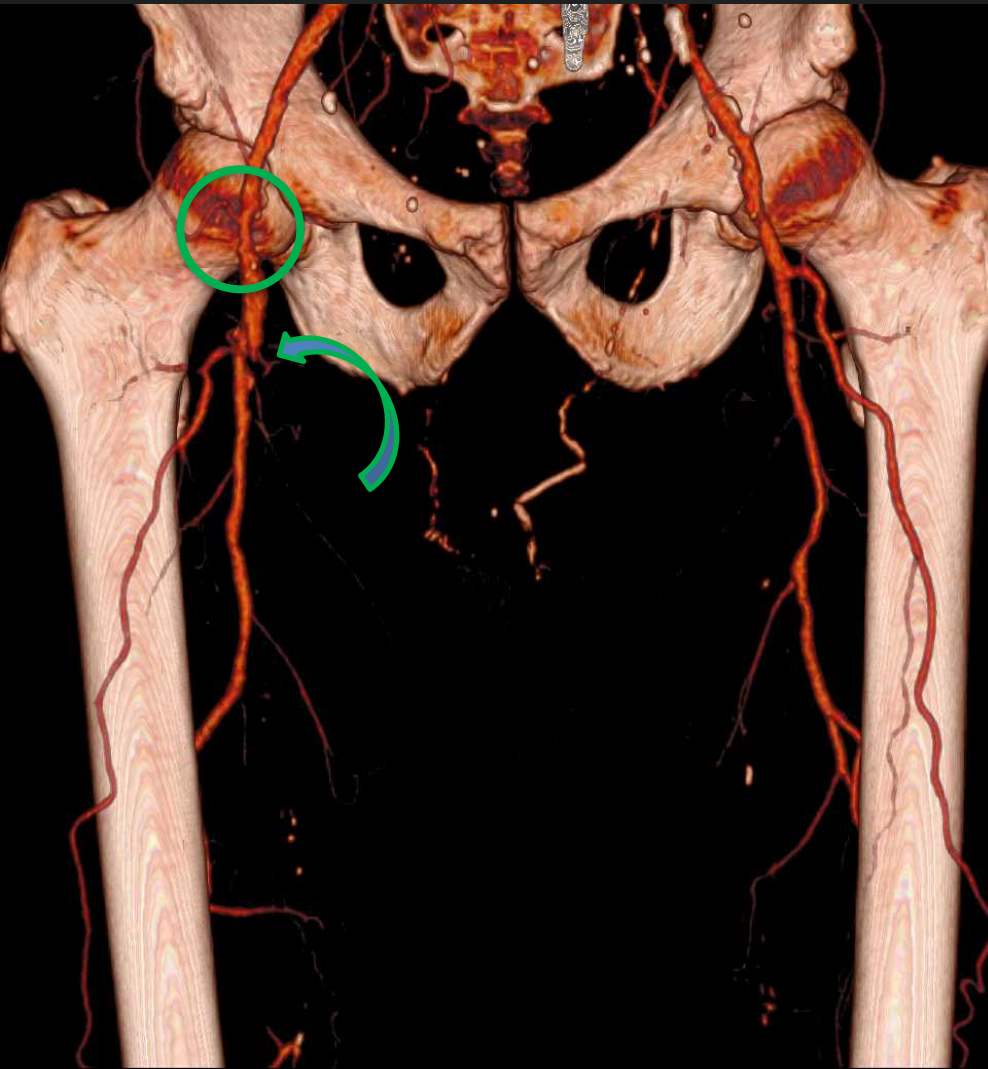
Speaker name: Artur Avetisyan

- I have the following potential conflicts of interest to report:
- Consulting
- Employment in industry
- Shareholder in a healthcare company
- Owner of a healthcare company
- Other(s)

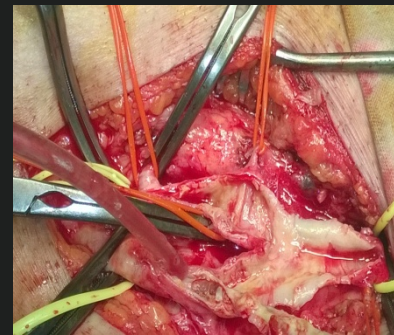


I do not have any potential conflict of interest

# Treatment options



- ❖ Bypass
- ❖ Contralateral (crossover) approach
- ❖ Retrograde approach (PRESTO technique)
- ❖ Hybrid intervention

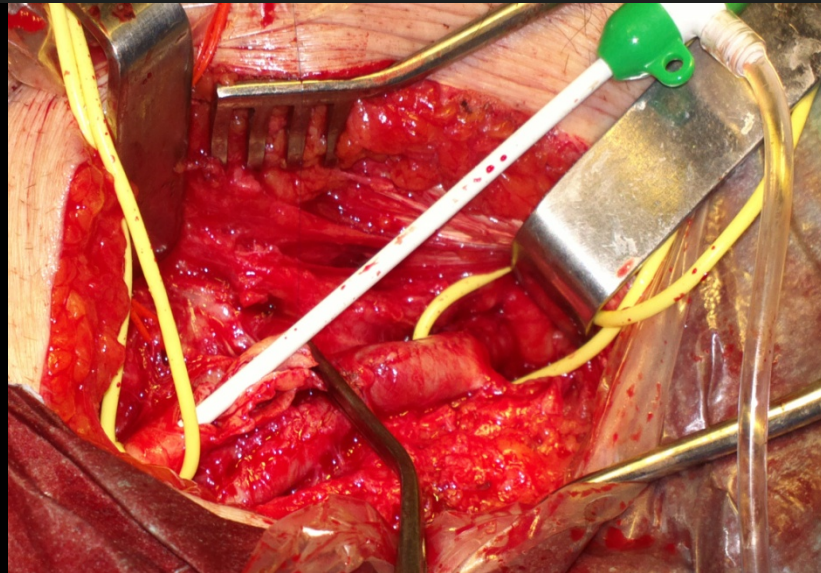


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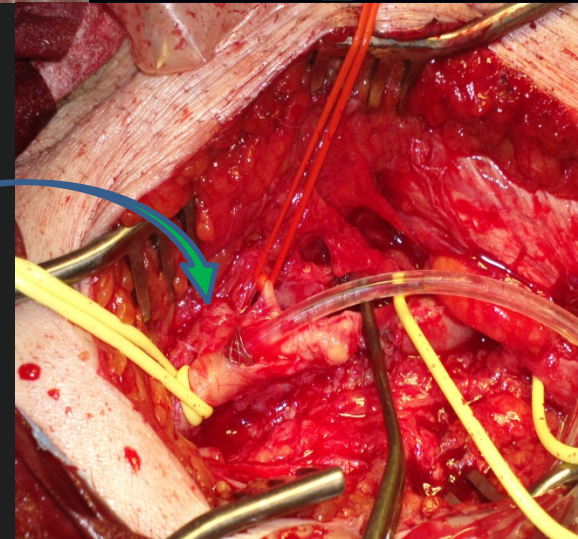




# Combination of femoral endarterectomy and implantation of self-expanding interwoven nitinol stent in the femoropopliteal segment



Proximal end of the Supera stent tacking distal portion of endarterectomy



# Study design and endpoints

Single-center study with retrospective analysis of prospectively collected data (2014-2017)

**Aim:** to assess midterm efficacy (primary patency, limb salvage) of hybrid interventions on femoropopliteal C/D lesions (TASC II) involving ostial part of the superficial femoral artery and common femoral artery.

# Patient characteristics and procedural data

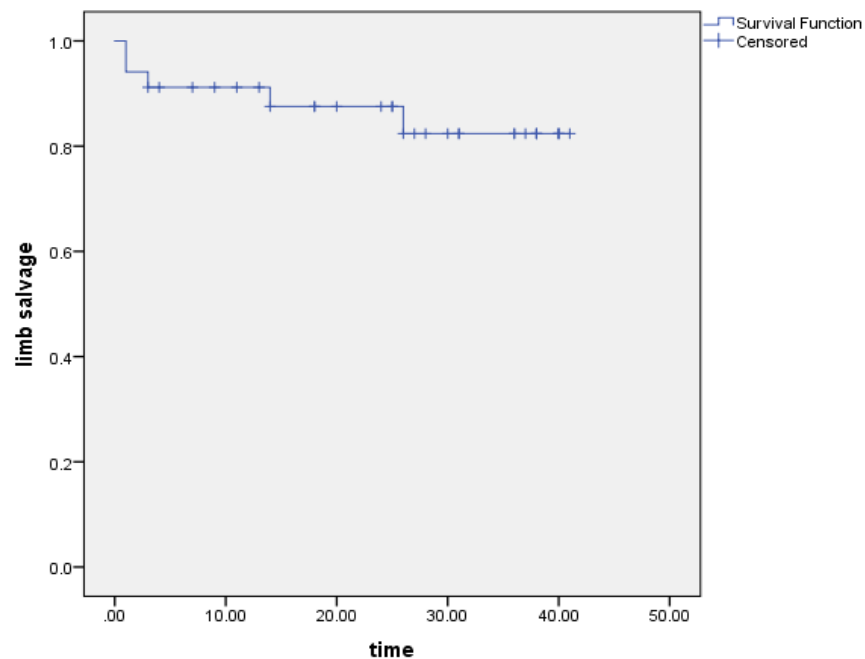
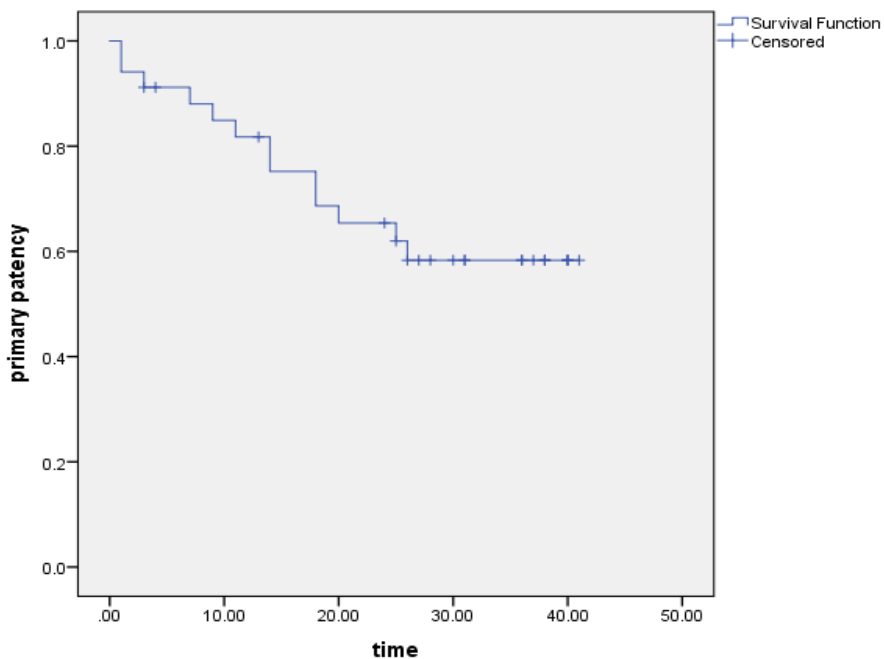
- ❖ 31 patients (34 lower limbs), 29 male, mean age- $67,4 \pm 7,2$
- ❖ Critical limb ischemia – 76,5%
- ❖ TASC II C – 61.9%
- ❖ TASC II D – 38.1%
- ❖ Technical success – 94,1%
- ❖ Lesion length –  $255 \pm 68.5$  mm
- ❖ Implanted stent length -  $239 \pm 70.5$  (range 150-380 mm)
- ❖ Number of implanted stents – 42
- ❖ Infrapopliteal procedures – 45%

# Results (24-36 months)

	24 months	36 months
Primary patency	65,4%	58,3%
Limb salvage rates	87,5%	82,4%

5 reinterventions

Freedom from “Limb loss preventing” TLR - 84.6%





# Conclusions

Combination of femoral endarterectomy and stenting of femoropopliteal TASC II C/D lesions with self-expanding interwoven nitinol stents

- ❖ High technical success rates
- ❖ acceptable midterm primary patency rates
- ❖ High limb salvage rates despite infrequent reinterventions

Thank You For Attention

