Large Sheath Access and Closure

Ted Feldman, M.D., MScAI FACC FESC
Evaston Hospital

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Disclosure Information

The following relationships exist:

Grant support: Abbott, BSC, Cardiokinetics, Edwards, WL Gore
Consultant: Abbott, BSC, Coherex, Edwards, JenaValve, Mitralign, Diiachi Sankyo-Lilly, WL Gore

Off label use of products and investigational devices will be discussed in this presentation
Fluoro Guided Micro-Puncture
84F BMI 32.2 kg/m²
60 inches, 74.8 kg
Cr 2.4
STS -11%
Access without Contrast

84F BMI 32.2 kg/m²
60 inches, 74.8 kg
Cr 2.4
STS -11%
Simple crossover, uncomplicated closure
6F Pre-Closure for 8F Sheath

TAVR sheath pressure

Contralateral sheath pressure

TAVR sheath pressure
2-4 atm
3-5 minutes
1\textsuperscript{st} Generation

- 24FR
- \(~28.5\) FR OD
- 9mm

2\textsuperscript{nd} Generation

- 18FR
- \(~22\) FR OD
- 7mm

3\textsuperscript{rd} Generation

- 18FR
- 14FR OD
- \(~5\)mm
Superficial Sub-Q
Figure of 8 venous closure

Cilingiroglu M, Salinger M, Zhao D, Feldman T
Technique of temporary subcutaneous “Figure-of-eight” sutures for femoral venous sheaths
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Alternative Access

Trans-Aortic

Antegrade

Trans-Caval

Carotid

Subclavian
Trans-Caval

Halabi...Lederman. JACC 2013;61(16):1745
Greenbaum...Lederman. JACC 2014;64(1)
Apical Puncture

Ruiz CE JACC. Intv. 2011;4;868-874
APICAL CLOSURE DEVICES

It's no wonder that truth is stranger than fiction. Fiction has to make sense.

Mark Twain