Transluminal tumescent anaesthesia during angioplasty of severely calcified vessels

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Disclosures
Company: Abbott, Cook, Bard
Relationship: Consulting, Teaching, Speaking
Company: Cordis, Medtronic, Boston Scientific
Relationship: Teaching, Speaking
Company: Intact Vascular
Relationship: Consulting, Study-Participation
Company: Reflow Medical, Upstream Peripheral
Relationship: Consulting

Recorded Case of Tumescent Anaesthesia Using the Bullfrog Microinfusion-Device
- 76 year old, female patient
- Ulceration forefoot right, severe claudication right calf
- Maximal walking-capacity 150 meters, ABI 0.45
- Rutherford class 5
- Severely calcified long SFA-occlusion right
- CAD, PTCA 2016
- DM type 2, art. hypertension, former smoker, HLP

The Bullfrog® Micro-Infusion Device

Percutaneous Local Anesthesia Along the Plaque
9cm 21 Gauge needle
1% Lidocaine
Percutaneous Local Anesthesia Along the Plaque

Local Anesthesia using the Bullfrog-Device

- 57 years, female patient
- Severe claudication
- SFA-occlusion left
- Minor calcifications
- Predilatation with Ø 4mm-balloon extremely painful

Local Anesthesia using the Bullfrog-Device

- 25 ml Lidocaine 1%
- 3 ml contrast-medium

Local Anesthesia using the Bullfrog-Device

Completely painfree PTA with Ø 5 and 6mm balloons

Local Anesthesia using the Bullfrog-Device

- 67 years, male patient
- CLI, Rutherford-6
- SFA-occlusion left + BTK-disease
- Severe calcifications
- Treatment-plan:
  - Aggressive predilatation +
  - Supera-stent implantation
Local Anesthesia using the Bullfrog-Device