

How to Cross the Un-crossing Lesions?

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Disclosure

Speaker name: Hiroshi Ando

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

I do not have any potential conflict of interest

Main Causes to Hamper an Acute Procedural Success

- • Long CTO
- • Bi-directional approach
- • Calcification, DP, Extreme DP, etc
- • Special technique
- • BIV/BTA lesion



Extreme Distal Puncture





Digital a
Yub



Plantar a.
Soko

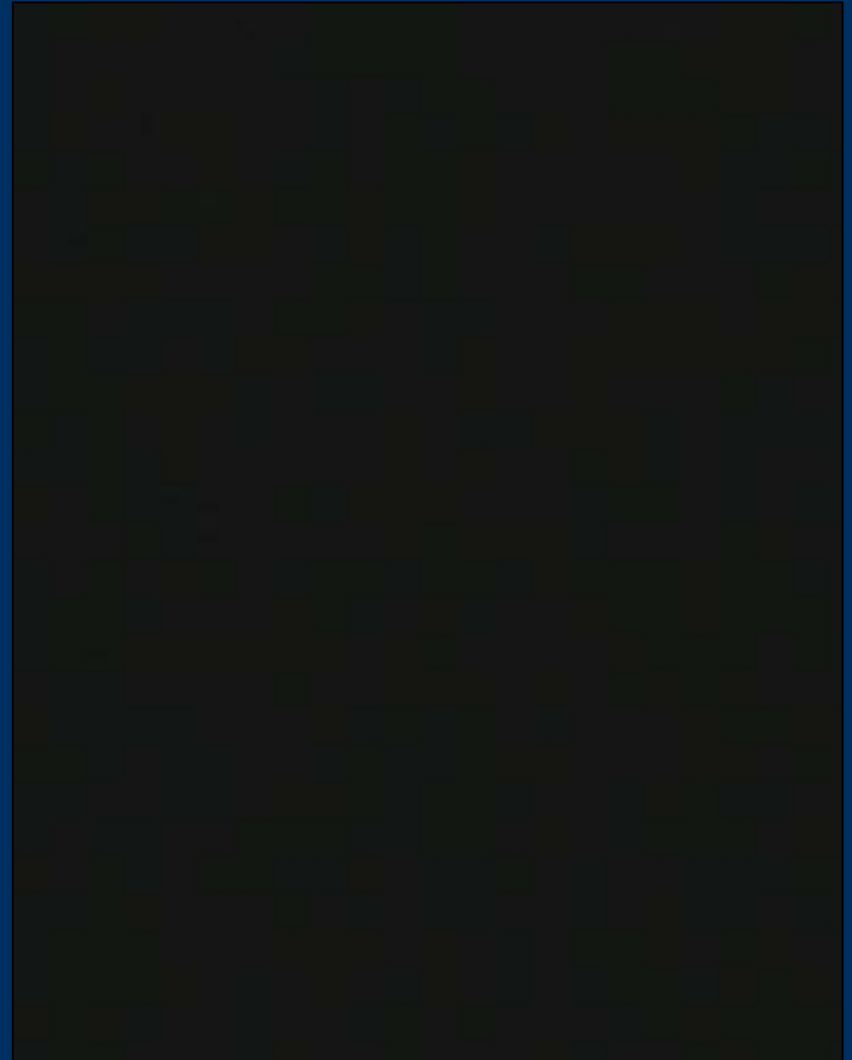
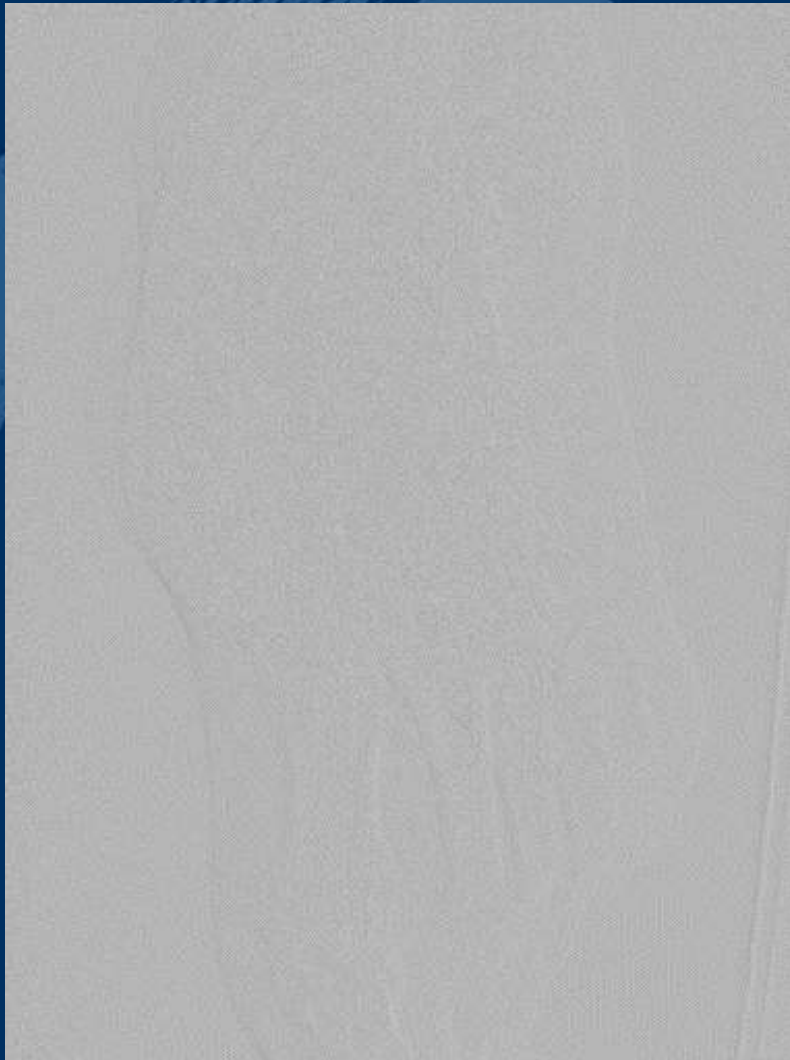


Wound puncture
Kizu pun.

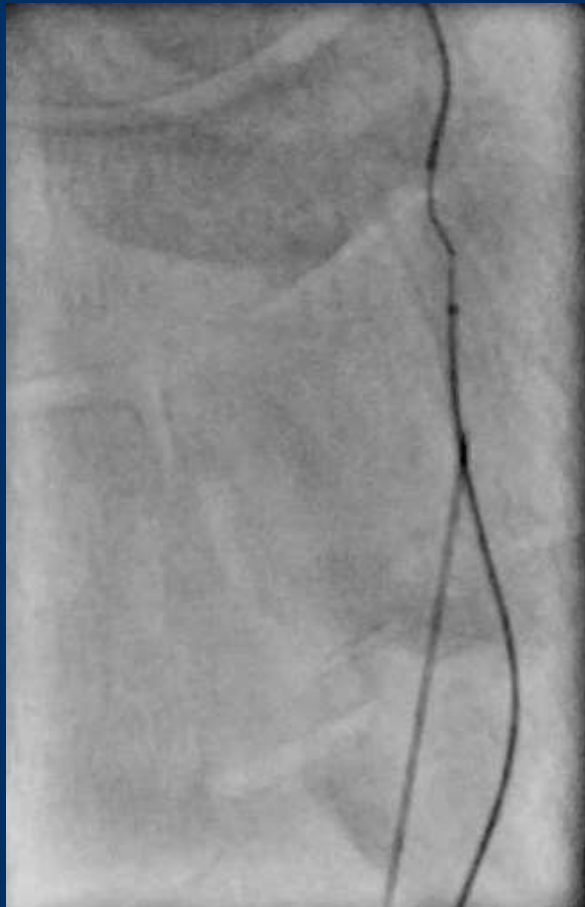
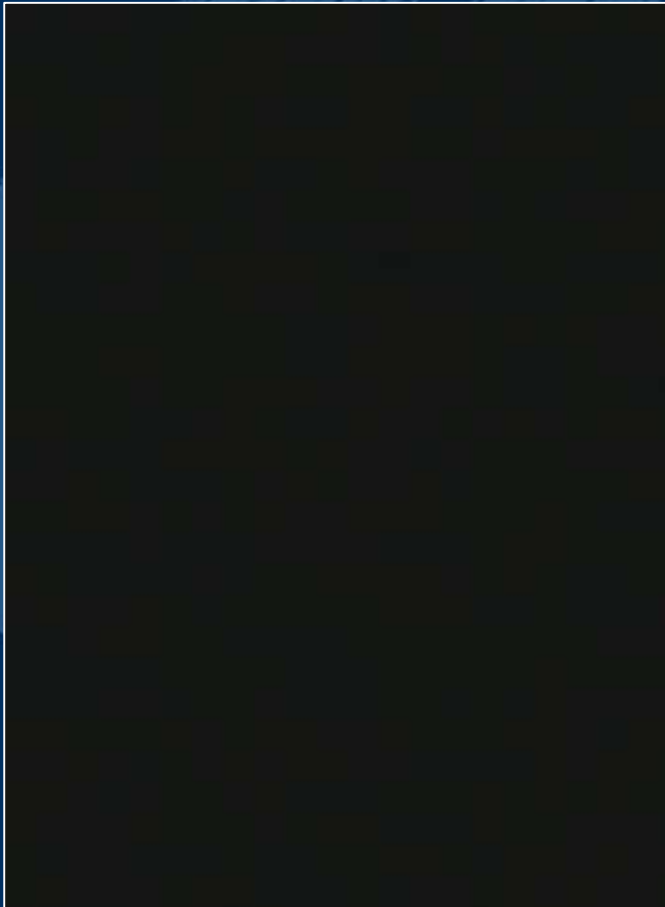
22G 42mm スーパーキャス



Needle Cracking Technique



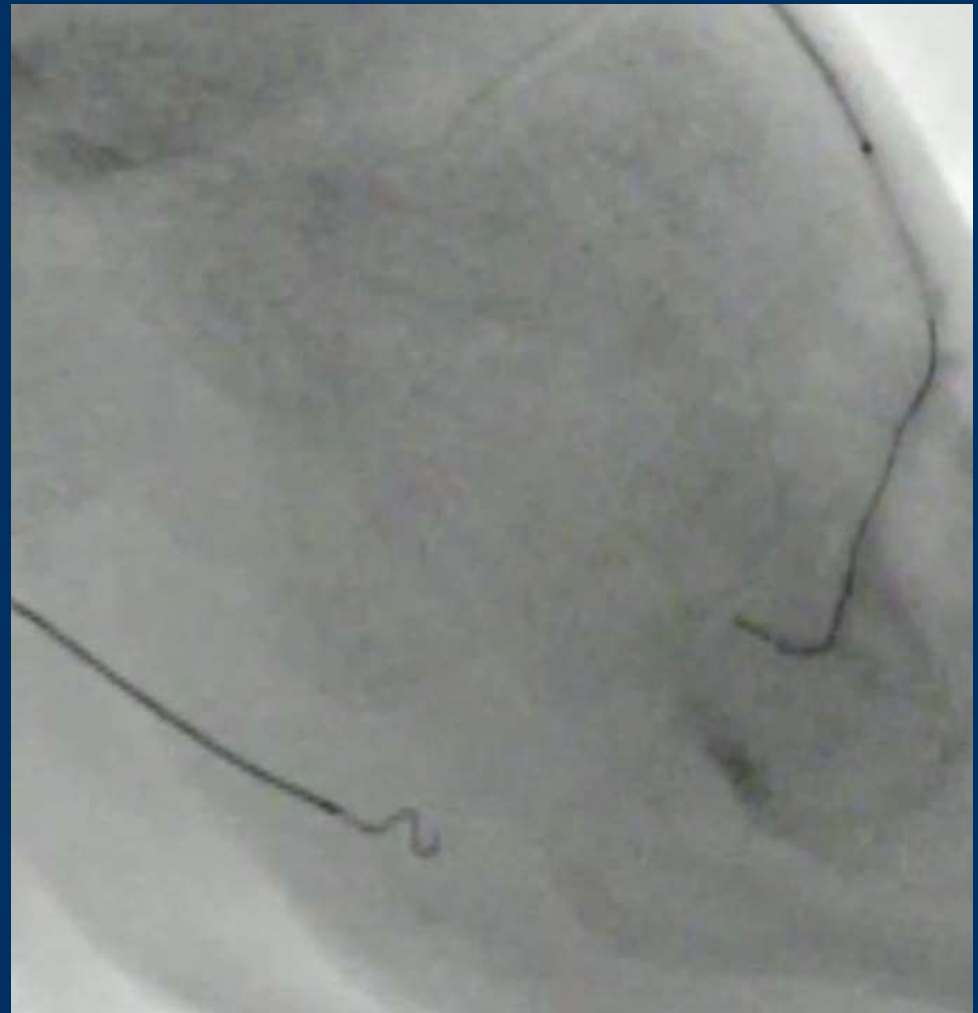
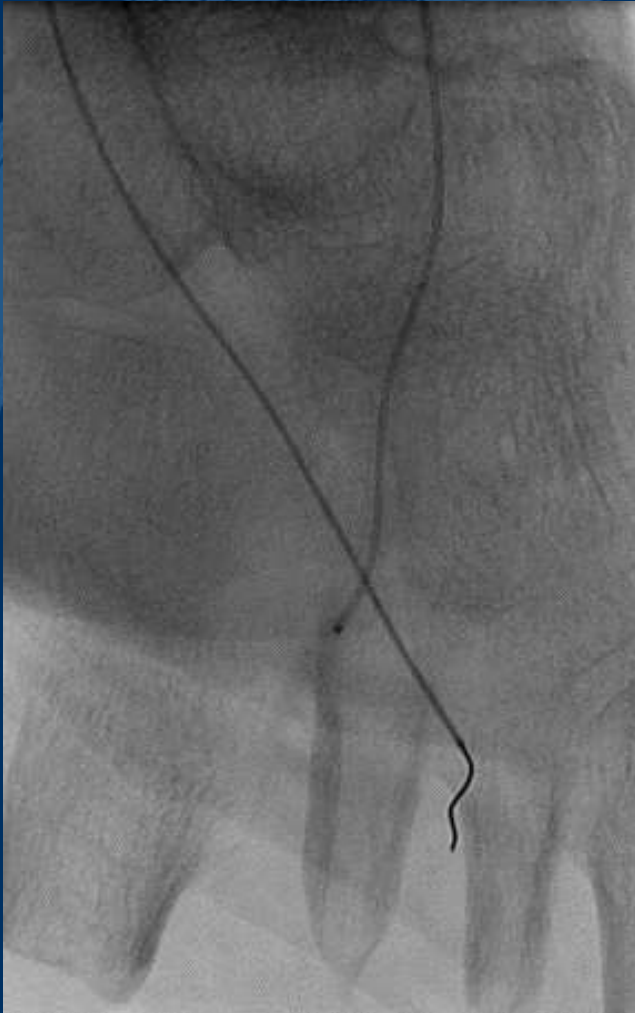
Needle Cracking Technique



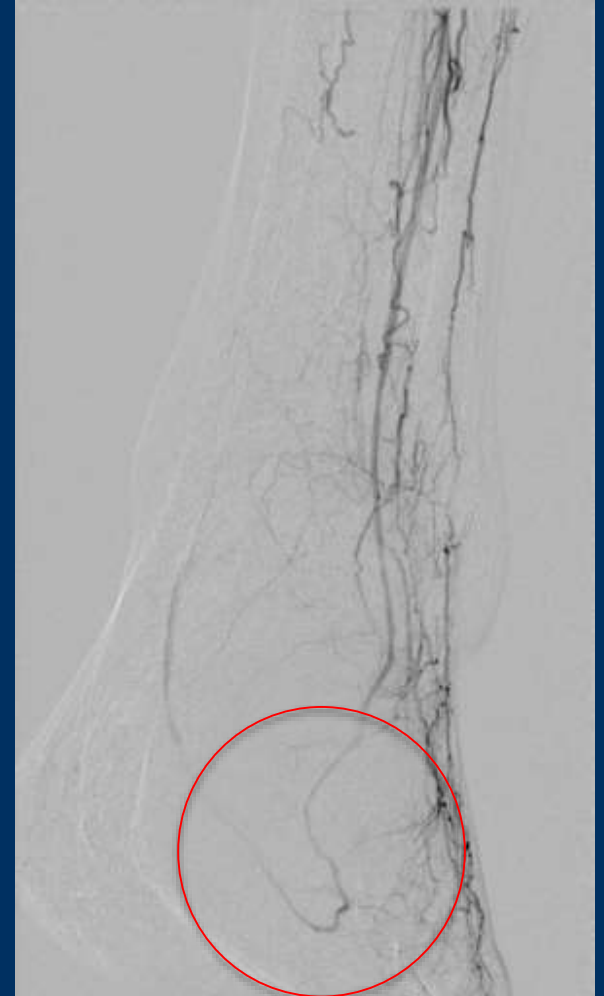
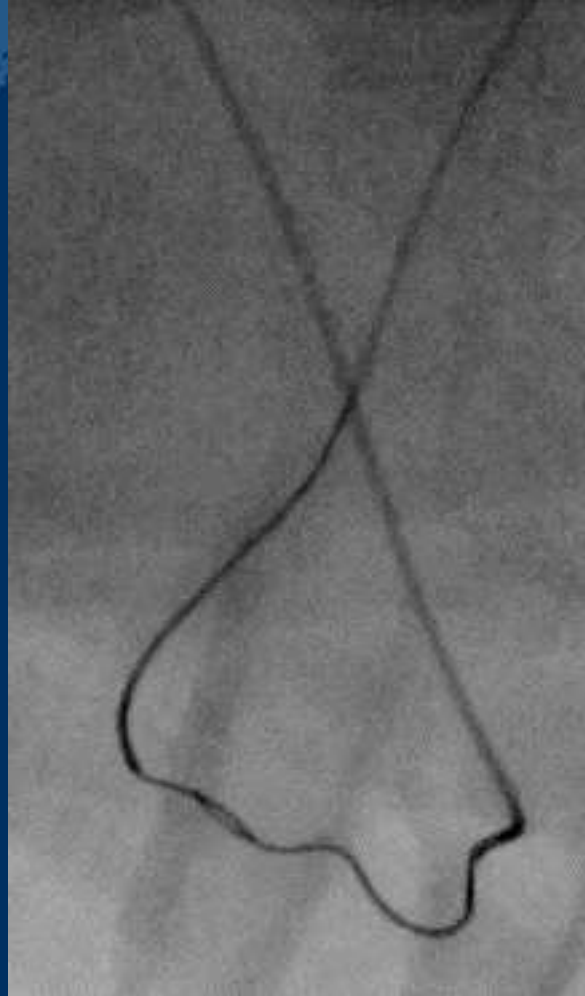
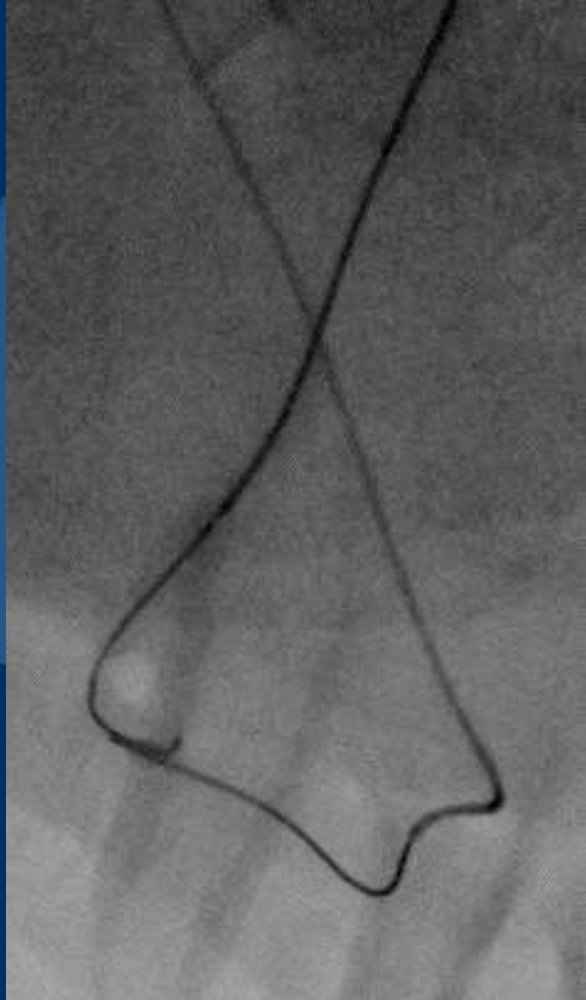
Completion Angiography



Jet Mole Attack



Jet Mole Attack



After passing the wire,
no device can pass through the lesion!



- ✓ Low profile balloon
- ✓ Microcatheter
- ✓ Tornus PV[®]
- ✓ Additional wire (Crusade PV[®])
- ✓ Crosser[®]
- ✓ Excimer laser[®]
- ✓ Rotablator[®]
- ✓ GuideLiner[®]
- ✓ Subintimal passage
- ✓ Needle cracking technique
- ✓ Brockenbrough needle
- ✓ Tag of wire

⋮



BAFORM Technique
Forcible **M**anner

A novel lesion crossing technique: Balloon deployment using FORcible Manner (BADFORM) technique.

Nakabayashi K¹, Ando H¹, Kaneko N¹, Shiozaki M¹, Sunaga D¹, Matsui A¹, Tanaka K¹, Shimizu M¹.



externalize a wire



push a balloon but fail



attach a torque device to OTW balloon hub and become unified all system



pull a guidewire

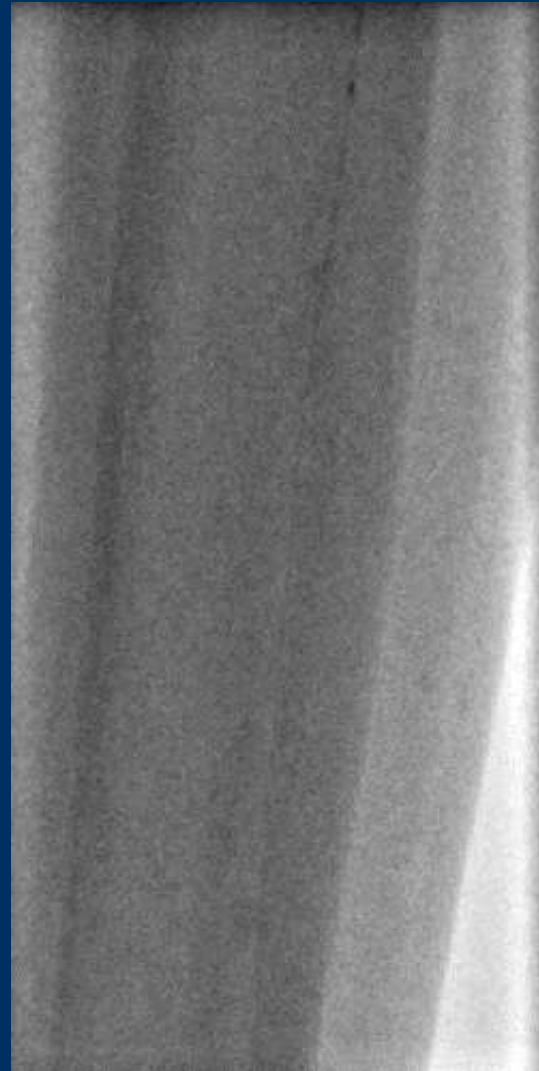


balloon forcibly draw into a blocked lesion

BAD FORM Technique

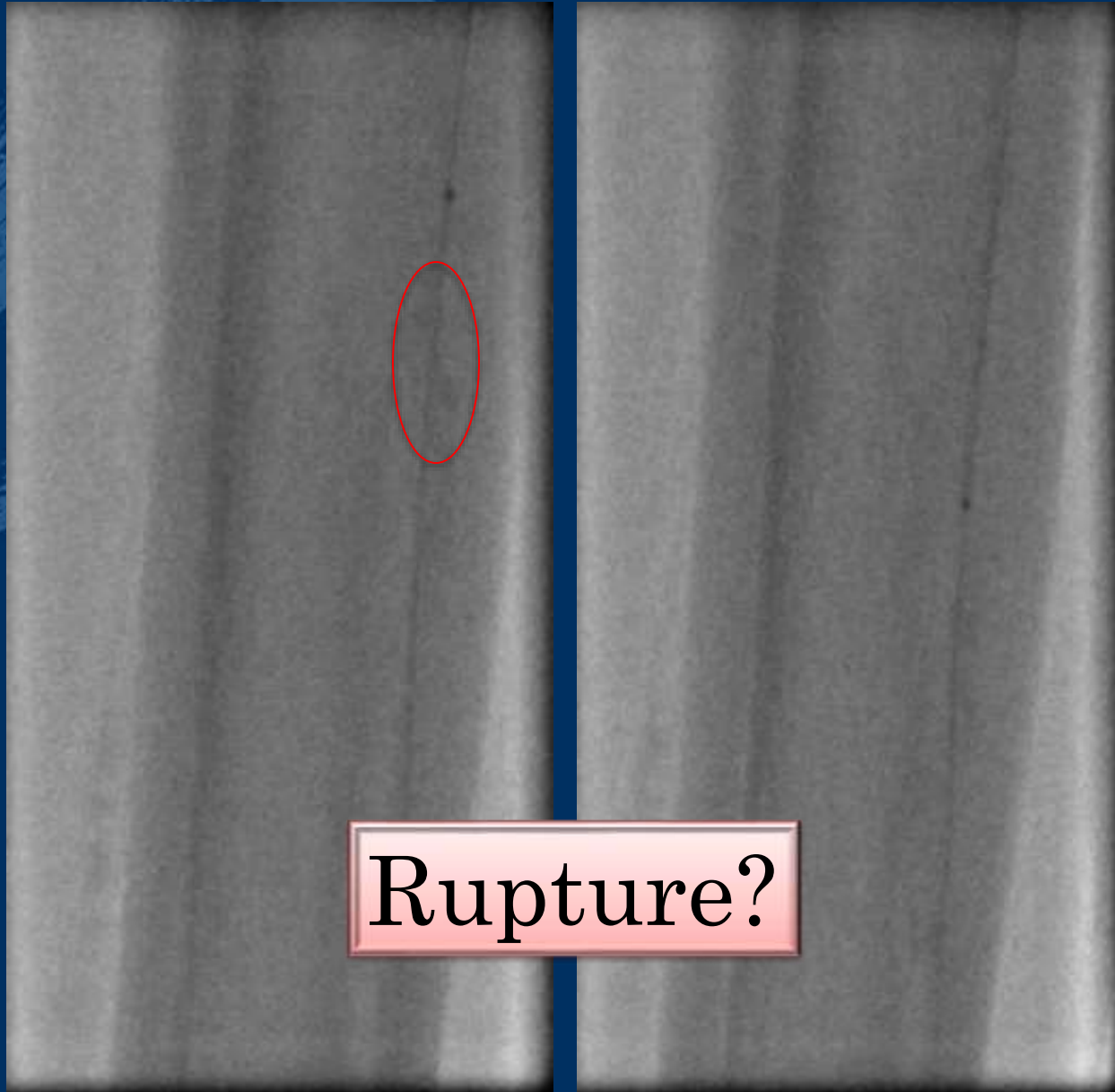


Case 1



BADFORM Technique

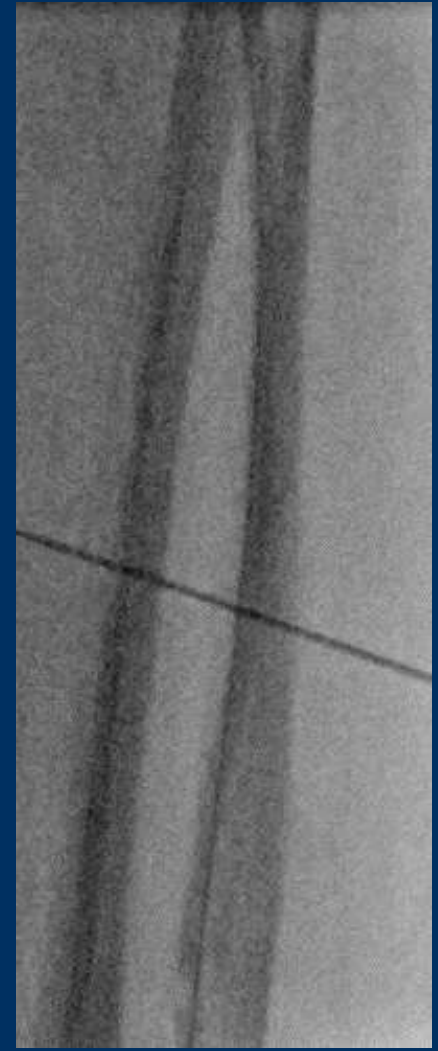
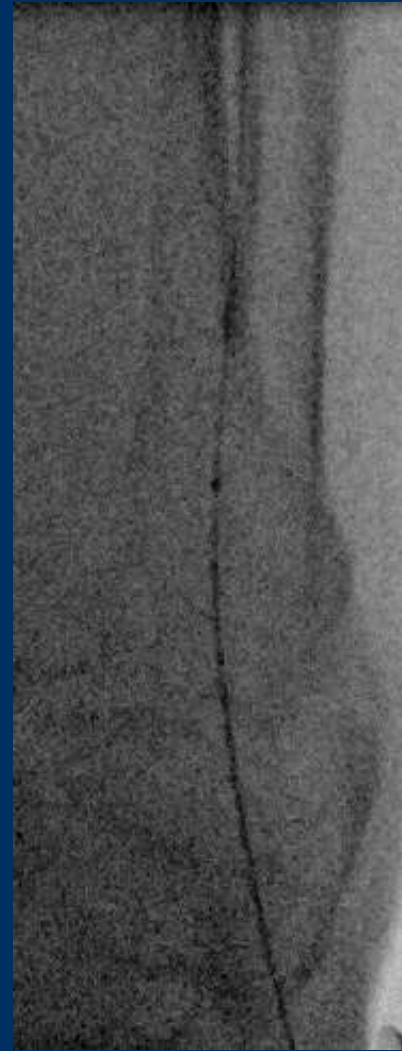
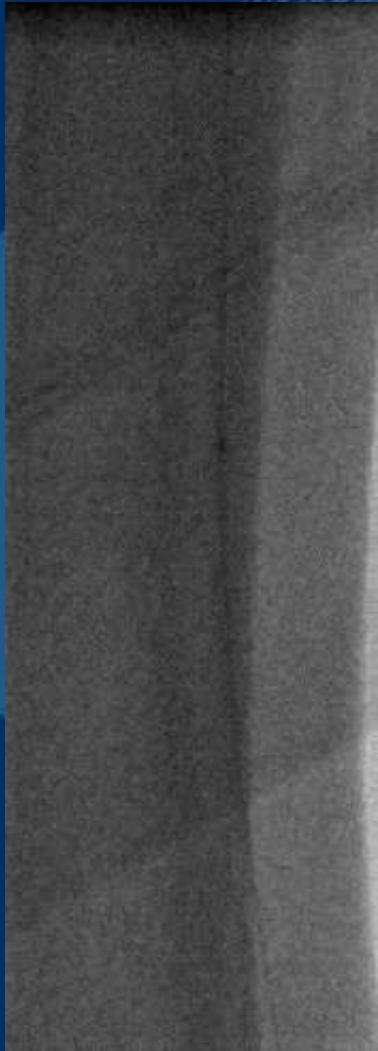
Calcified plaque moved distally



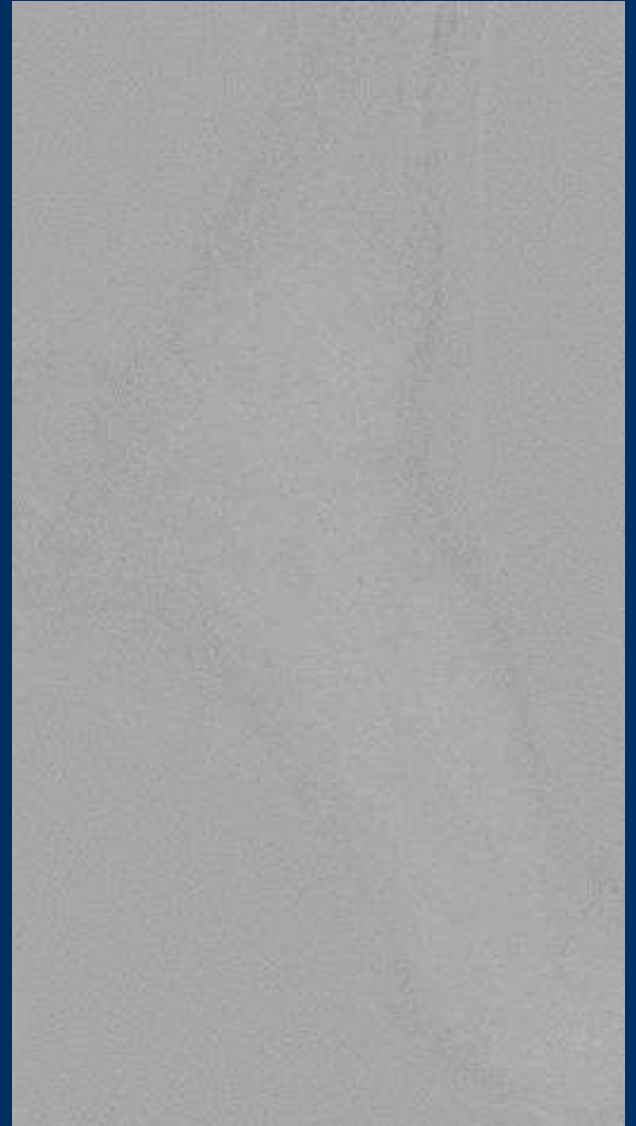
BADFORM

&

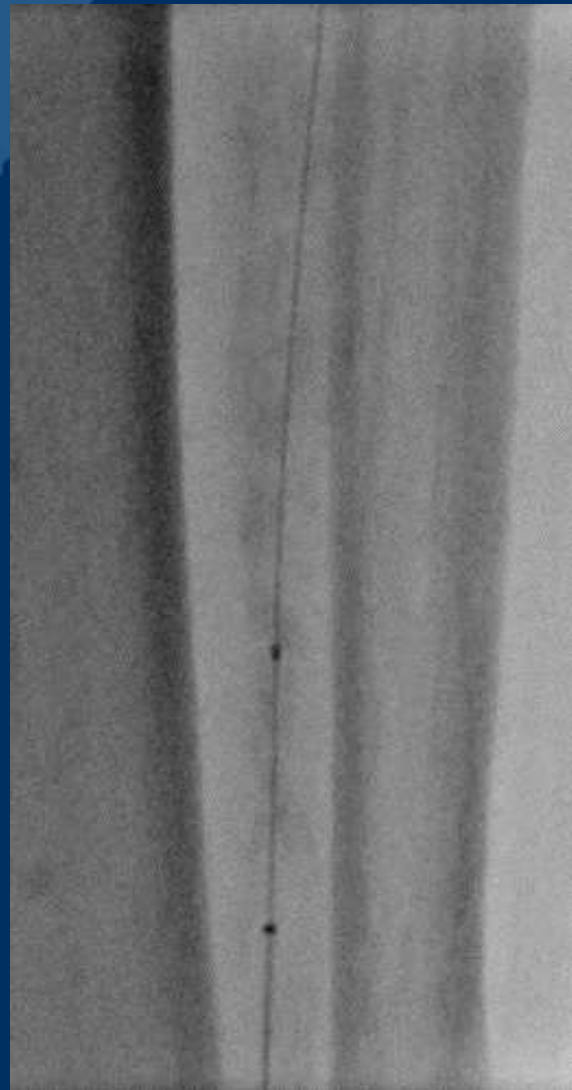
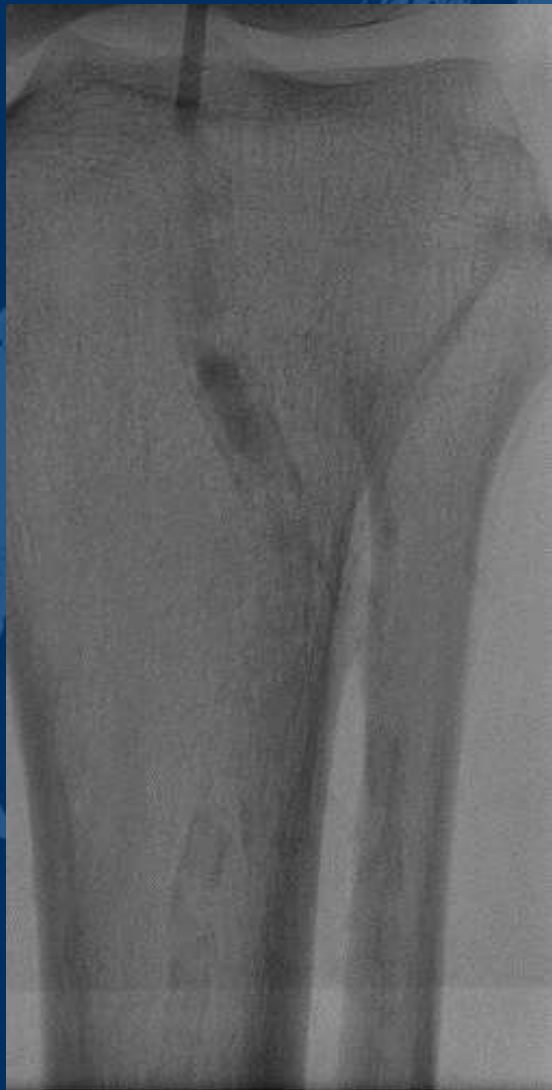
POBA



Completion Angiography



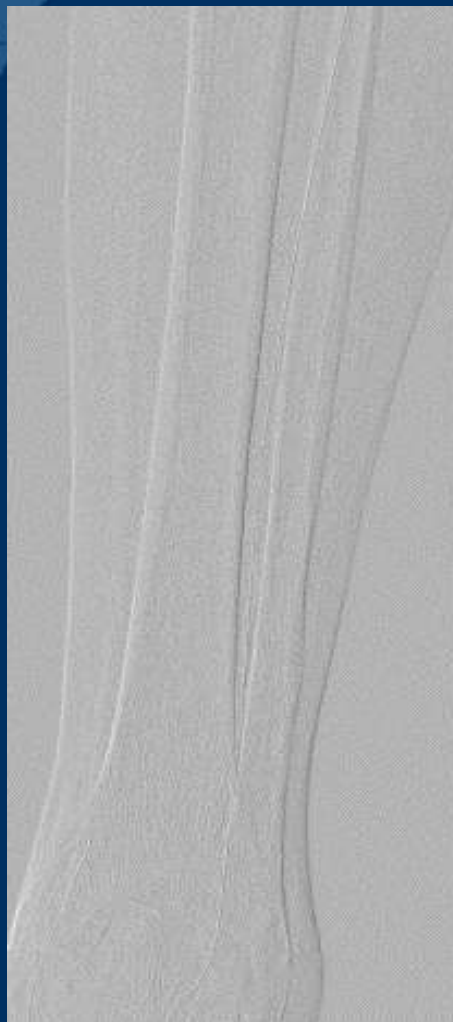
Case 2



Coyote FC OTW 1.2 × 15mm

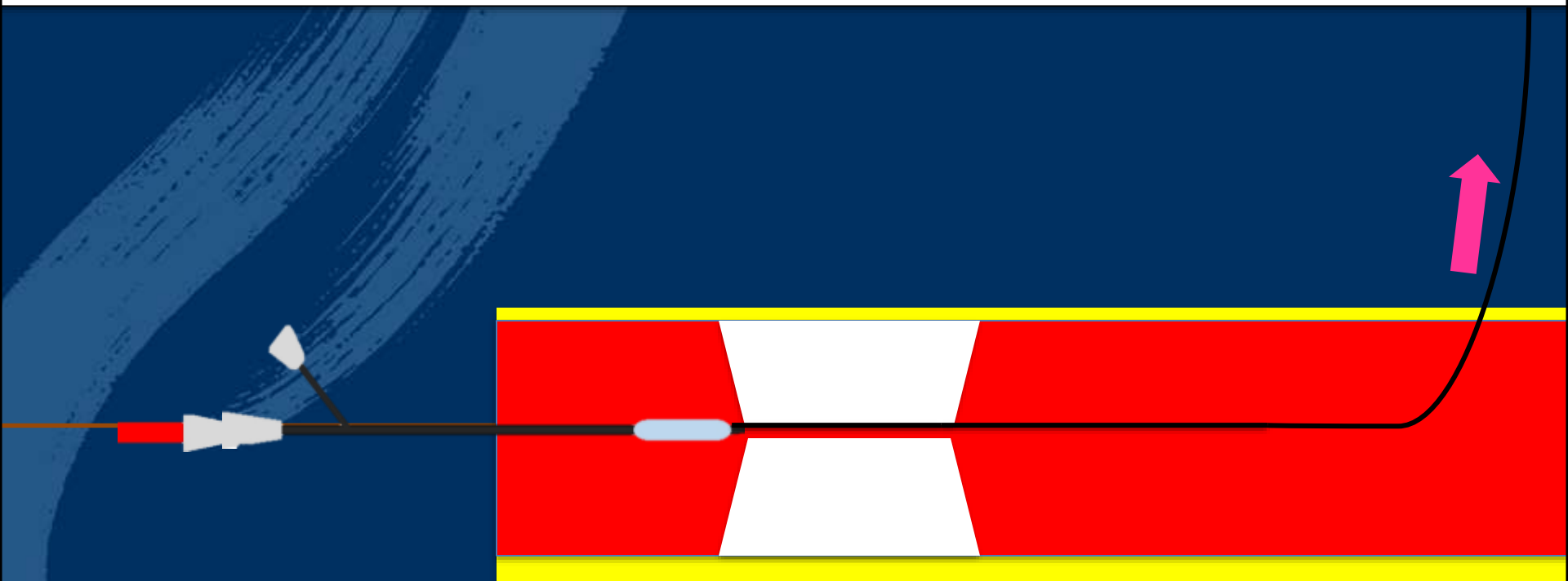
Coyote FC OTW 2.0 × 20mm

Completion Angiography



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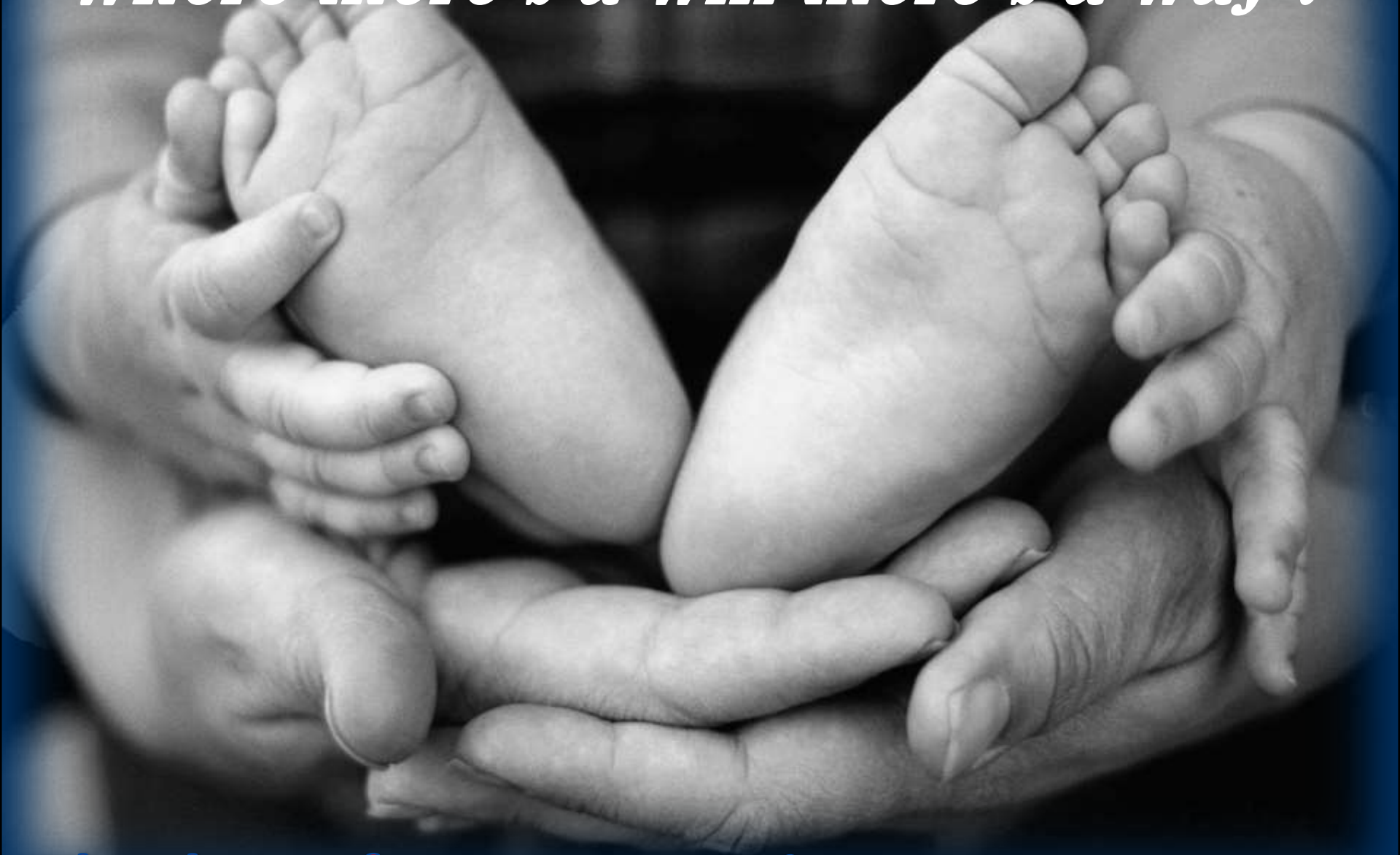


Calcified plaque is removed cylindrically like an endarterectomy by the BADFORM technique

Conclusion

- BAD FORM technique can be the most promising option for device delivery failure.
- An artery is not likely to be ruptured by the BADFORM technique.

Where there's a will there's a way !



Thank you for your attention

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