My experience with Gladius MG PV

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Disclosures

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Background

We are treating very complex CTO’s

Above the knee and below the knee >30 cm

High Calcium Burden

Tortuous or ambiguous Anatomy

Different Wire Techniques & Escalation Strategies

Sliding, controlled drilling, penetrating

↓

Intraluminal

Looped Wire Technique LWT

↓

Subintimal

How to deal with very complex CTOs?

CTO+++ characteristics

LONG CTO
>100MM

CTO
VISIBLE CA2+

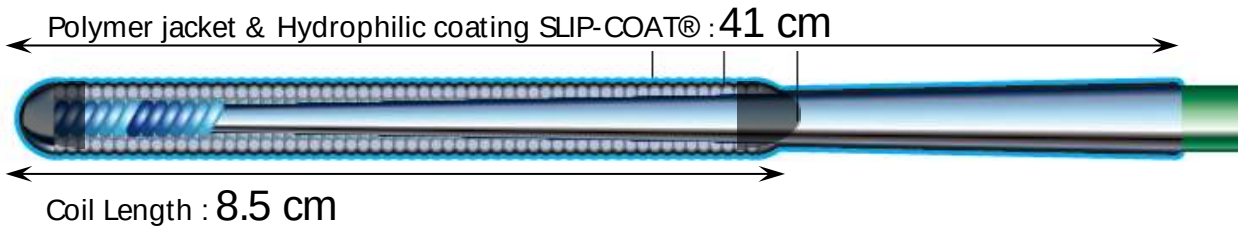
AMBIGUOUS
ROUTE CTO

Looped Wire Technique (LWT)

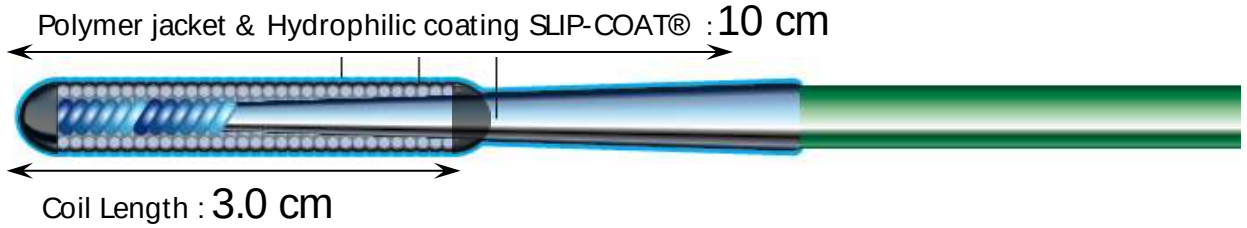
Is very effective in complex cases

Gladius MG PV Guidewires

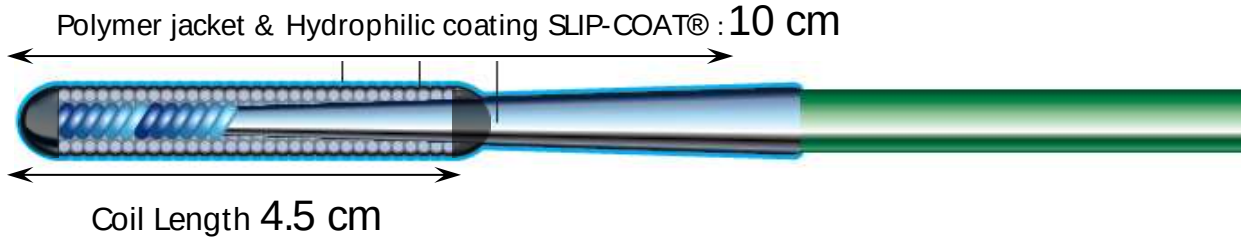
ASAHI Gladius MG 14 PV



ASAHI Gladius MG 14 PV ES



ASAHI Gladius MG 18 PV ES



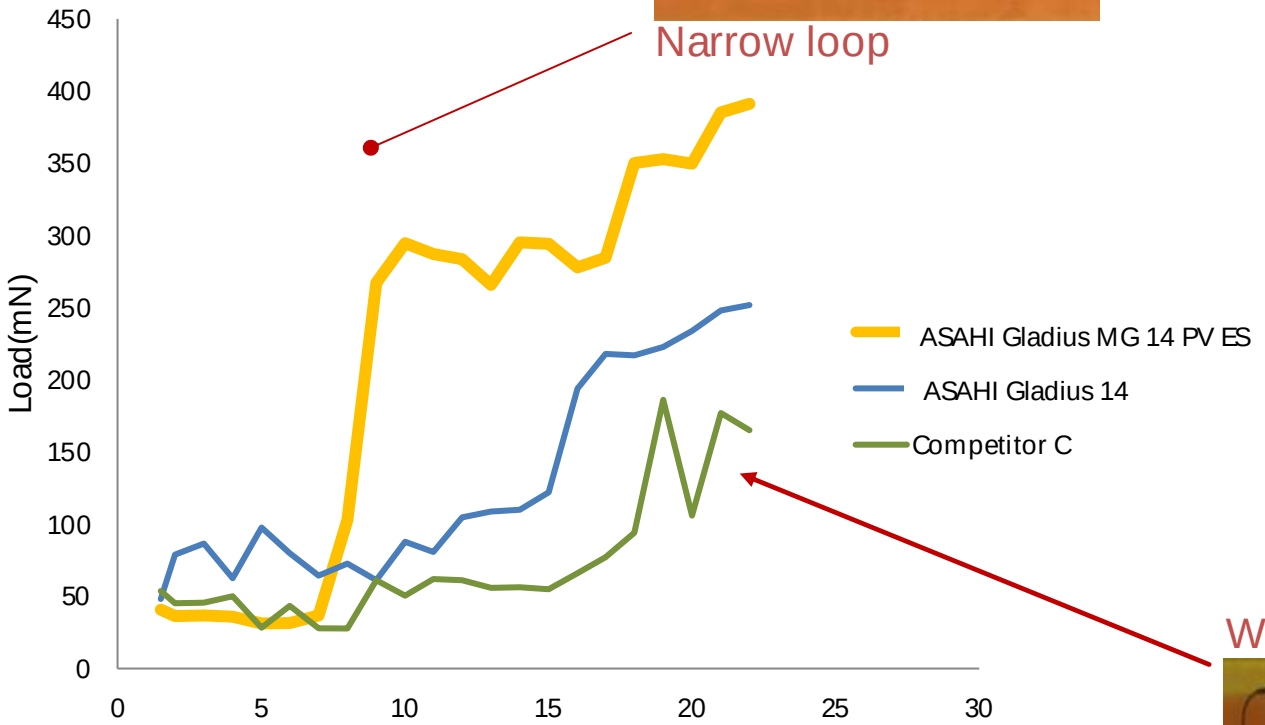
- Coating — Polymer jacket & Hydrophilic coating SLIP-COAT®
- Tip load — 3gf
- Length — 190cm, 235cm, 300cm

Coated with SLIP-COAT® coating.

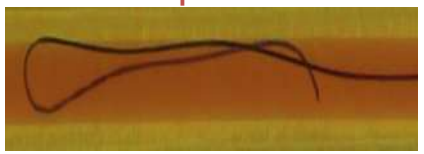
Feature Gladius MG: Micro Gap

Tip flexibility (0.014”)

Narrow loop



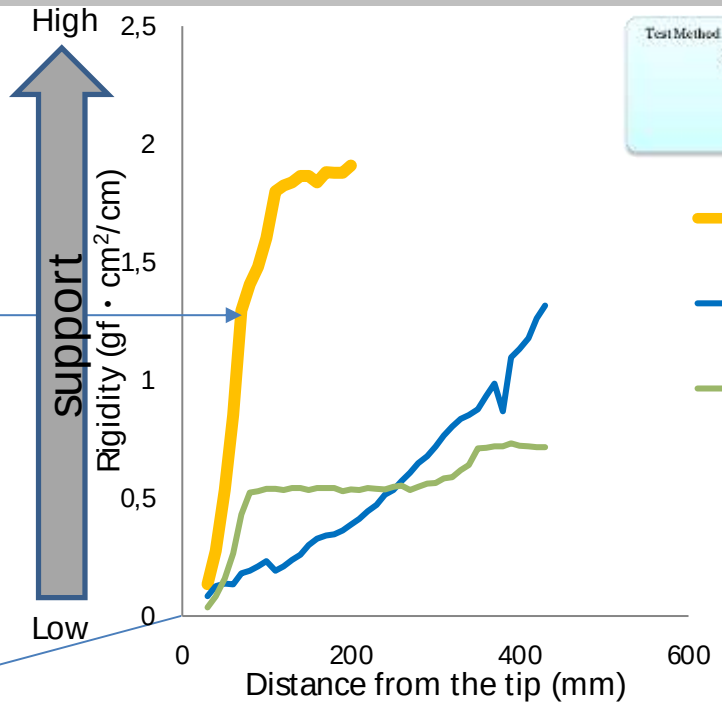
Wide loop



The above data was obtained by company standardized test, which may differ from industry standardized tests.
The above data does not prove that all devices have exactly the same performance with the samples used for these tests

Feature Gladius MG: Micro Gap

The modified distal core makes narrow looping easier and creates a high push force



- A modified distal core with Micro Gap enables the ASAHI Gladius MG PV to retain a narrow loop
- The Micro Gap prevents guide wire deformation
- High support after the Micro Gap creates a high push force

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Feature Gladius MG: Mini pre shaped Tip

What is a Mini Pre-shape

- 1mm from the tip with ~45˚ angle

Advantages of using a Mini Pre-shape

- Reduces friction inside the lesion due to smaller surface
- Better shape retention
- Easier than manual shaping

Able to efficiently reshape the curve to a more acute angle.
Able to change the shape depending on the lesion or procedural situation.

Case Examples

CLTI patients, RBC 5

Long CTOs

Intra luminal approach

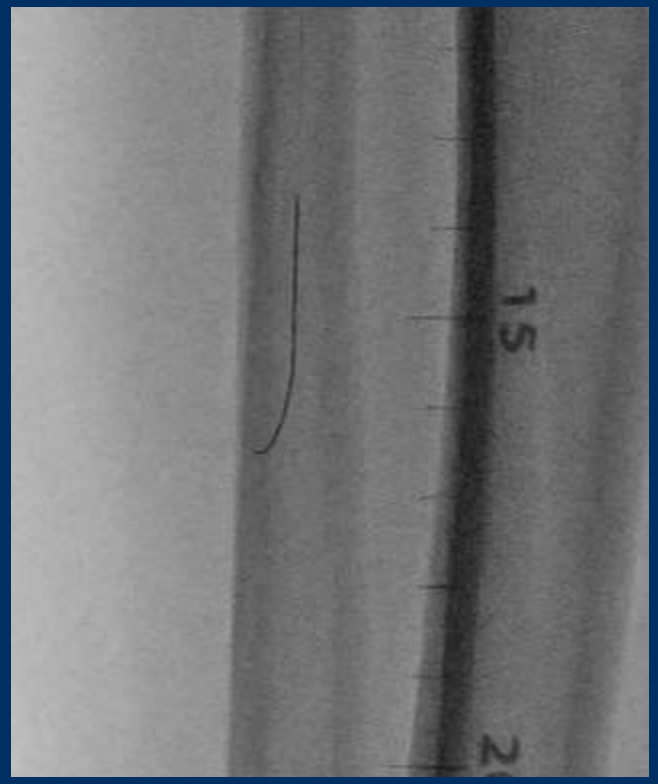
Sliding and controlled drilling

If unsuccessful than LWT

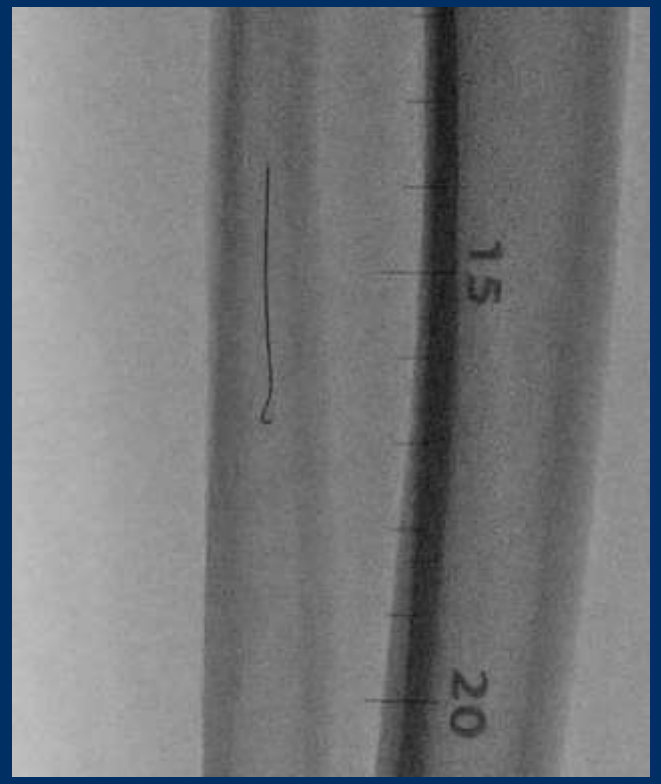
Asahi Gladius MG 14 PV ES

ASAHI Gladius MG 14 PV antegrade narrow looping tracking the ATA

ASAHI Gladius MG 14 PV antegrade narrow looping tracking the ATA



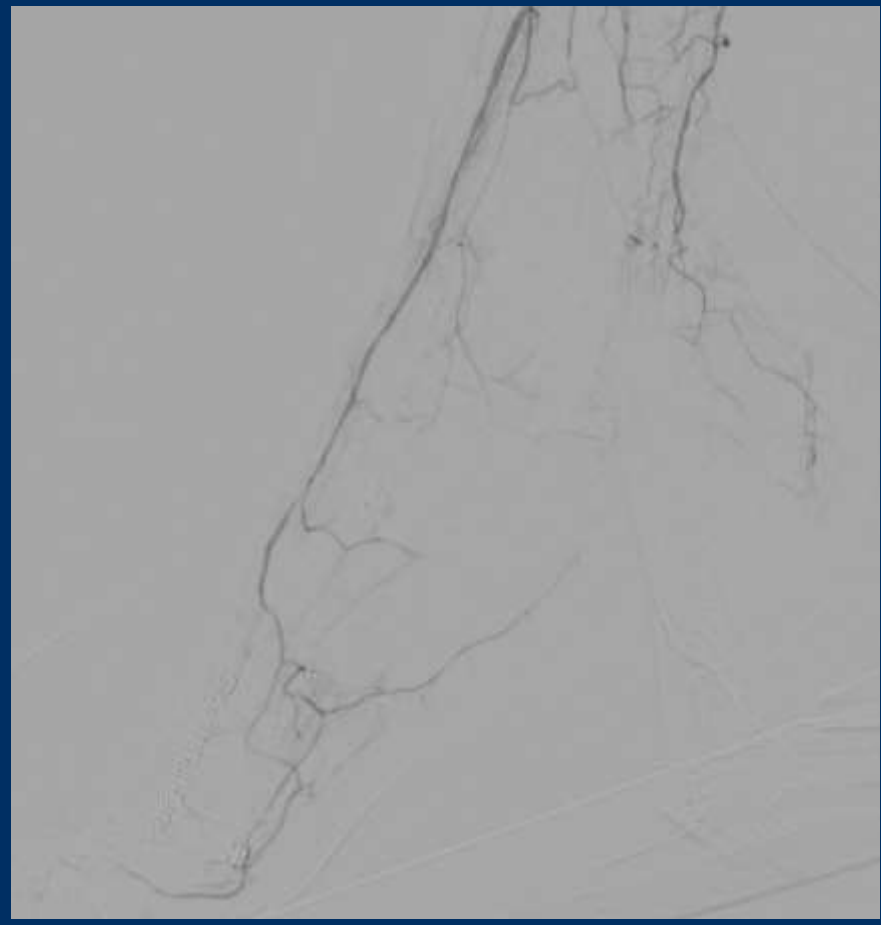
After sliding and drilling



LWT

Easy advancement narrow loop

ASAHI Gladius MG 14 PV antegrade narrow looping tracking the ATA



ASAHI Gladius MG PV
Looped Wire Technique

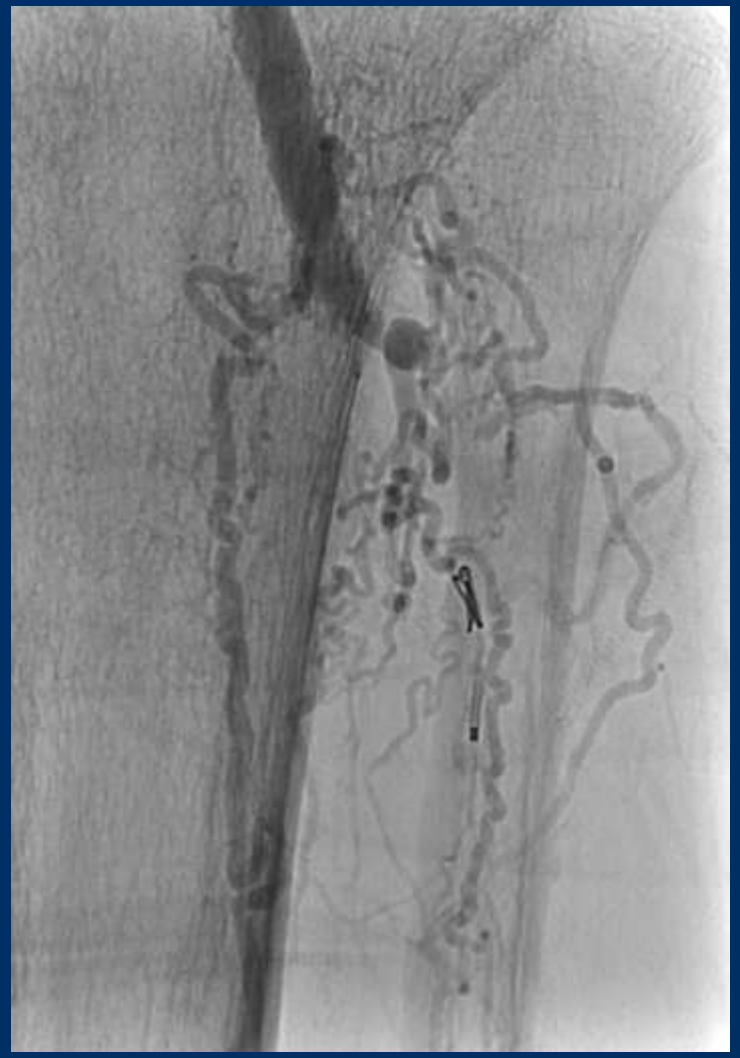
Micro Gap in 14 PV is at 7 mm
Micro Gap in 18 PV is at 12 mm

Penetrate the occlusion with the tip
Try to get the Micro Gap in

Advance wire without torqueing

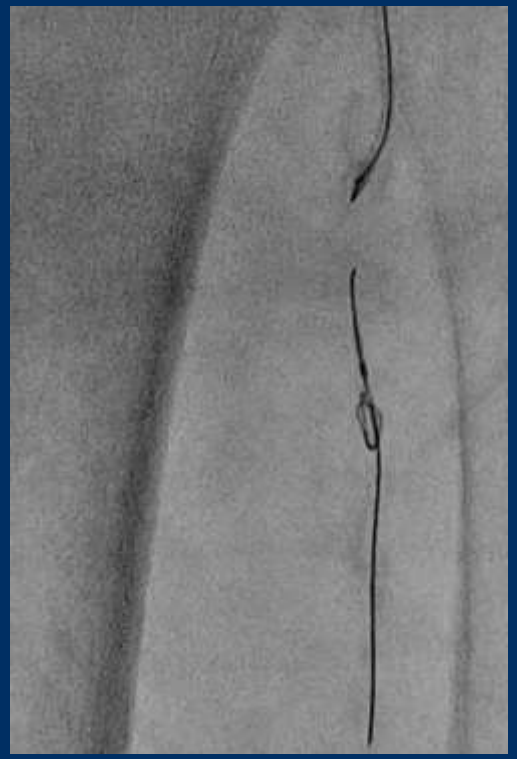
When advancement stops or loop enlarges, pull back wire

ASAHI Gladius MG 14 ES PV challenging ATA Retrograde and Antegrade approach

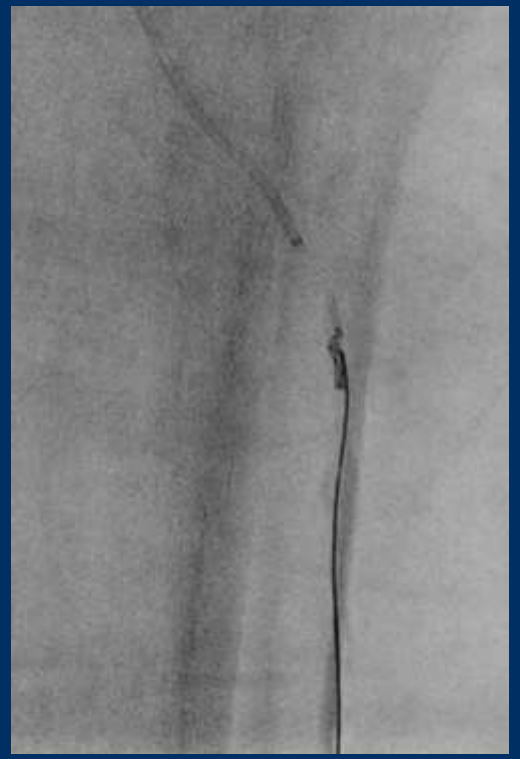


ASAHI Gladius MG 14 PV challenging ATA Retrograde and Antegrade approach

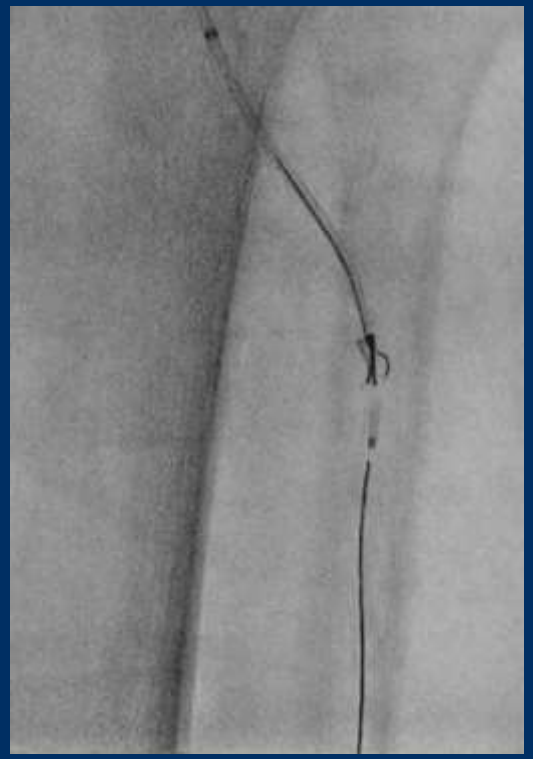
Unsuccessful retrograde



Antegrade loop

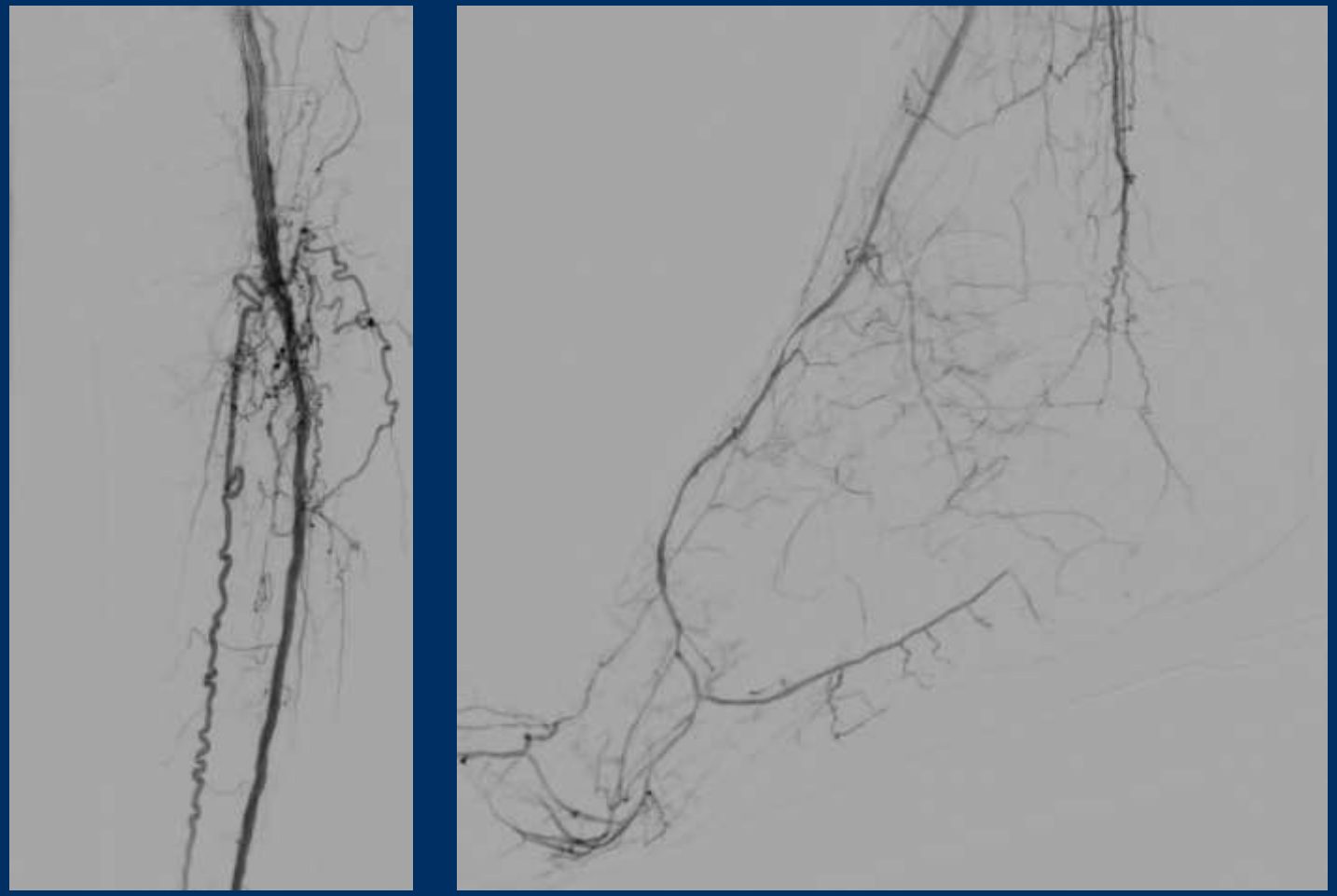


Pull back and rewire



Antegrade loop again

ASAHI Gladius MG ES PV challenging ATA Retrograde and Antegrade approach

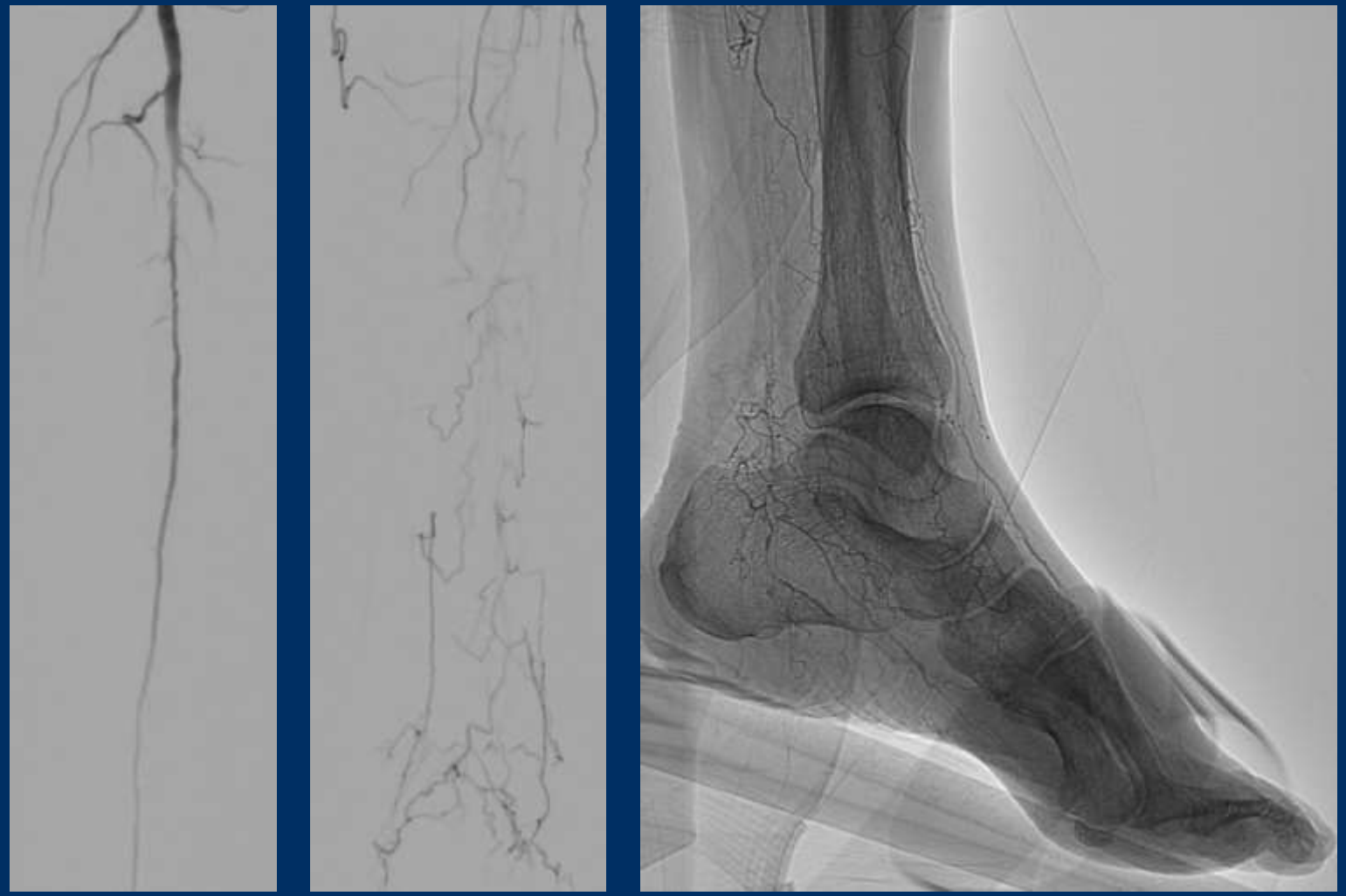


Benefits of having a narrow loop

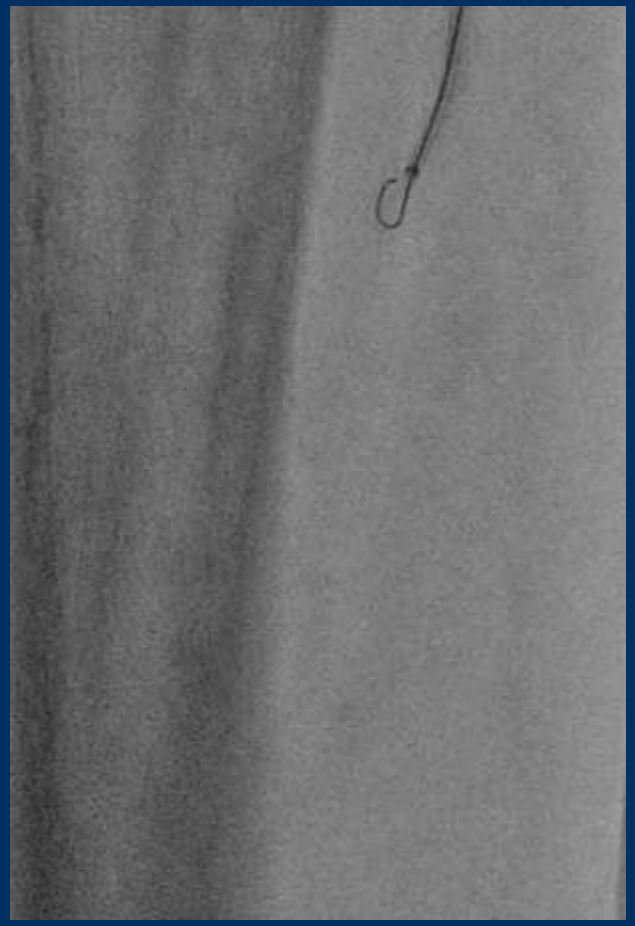
Subintimal looping	True lumen looping

➢ Safer
  ➢ Less extensive dissections
  ➢ Reduces the risk on perforations
➢ Easier to re-enter
➢ Allows for easy guide wire advancement
	Higher chance for staying in the true lumen
	➢ Potentially reducing the need for stent placement
	➢ No need for re-entry

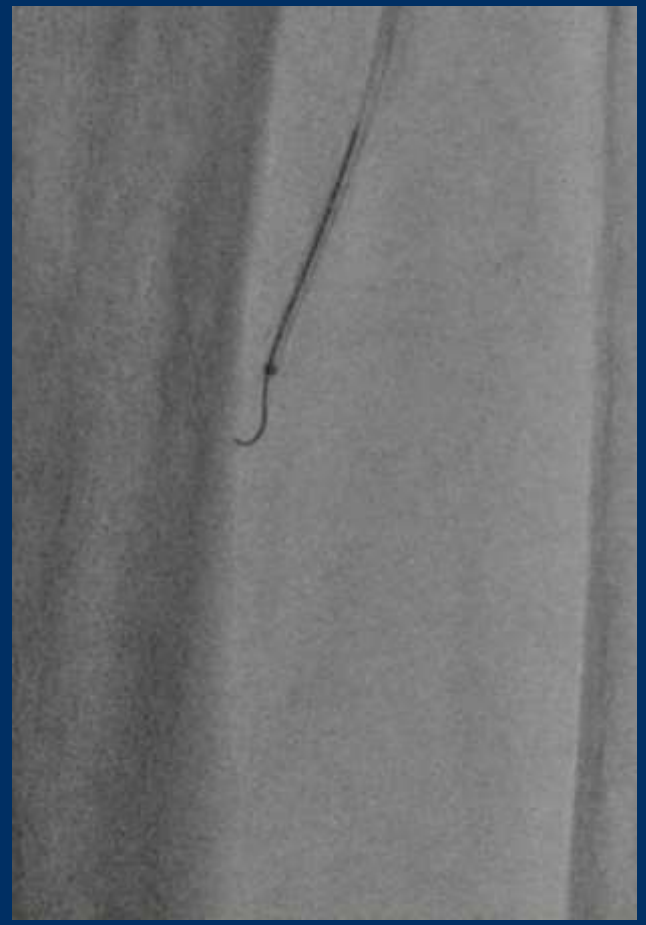
Long CTO PTA, LWT Gladius MG 14 PV ES



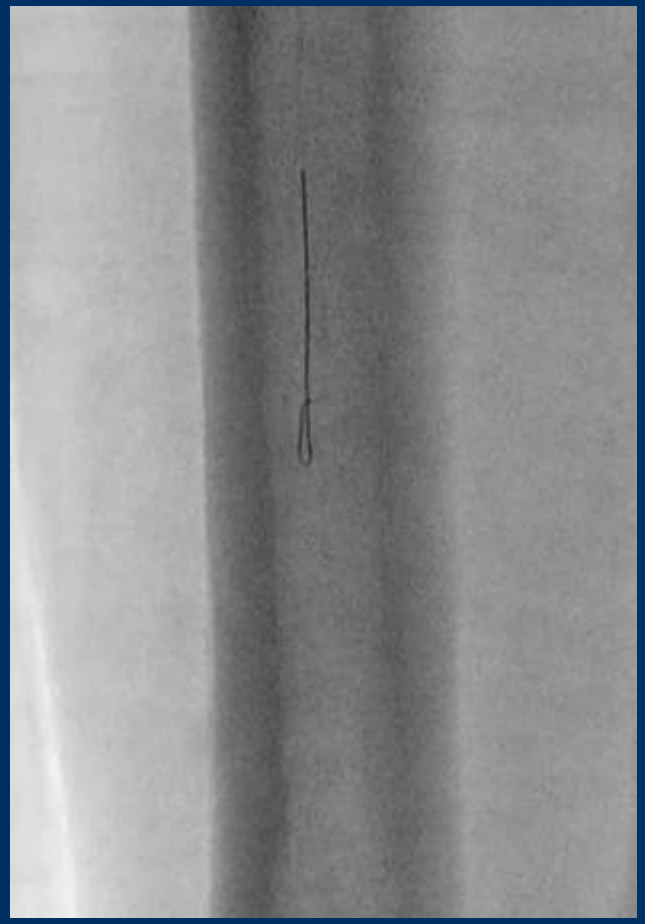
Long CTA PTA, LWT Gladius MG 14 PV ES



Entering the CTO



Providing support



Narrow loop tracking

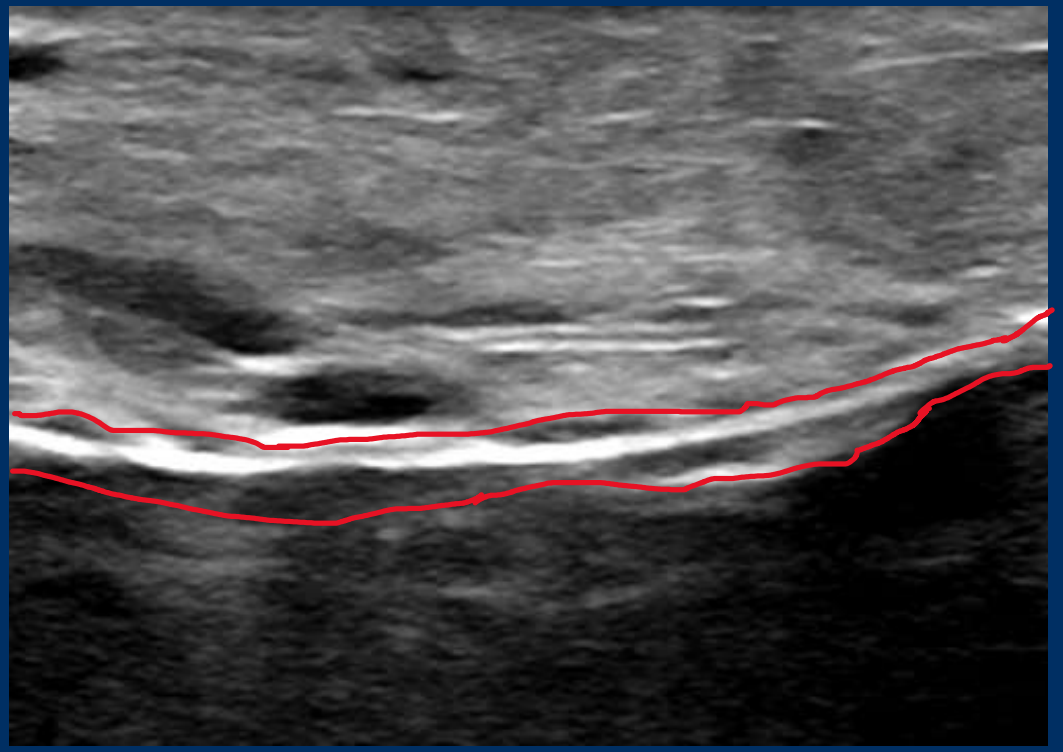
Long CTA PTA, LWT Gladius MG 14 PV ES

High resistance distal CTO

Intraluminal location of GW confirmed

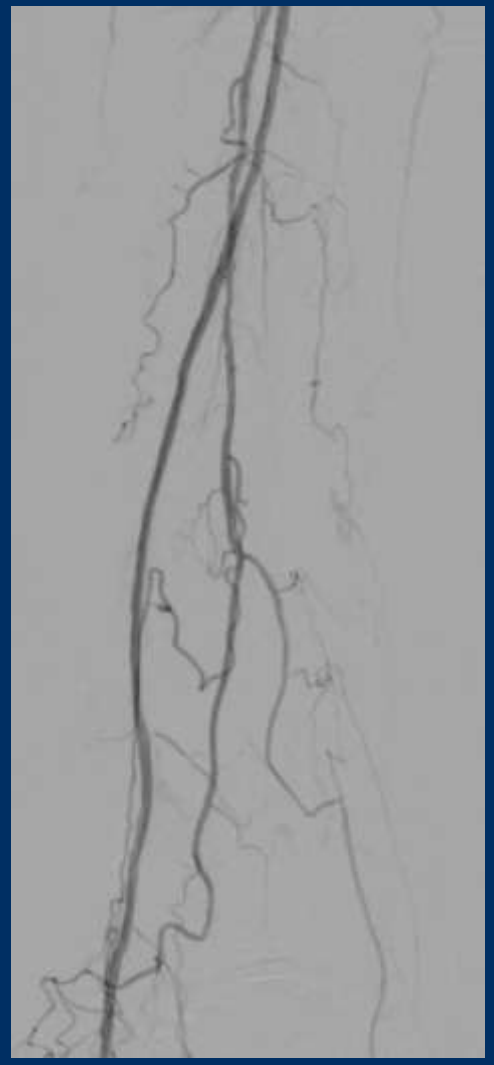
Wiring target artery

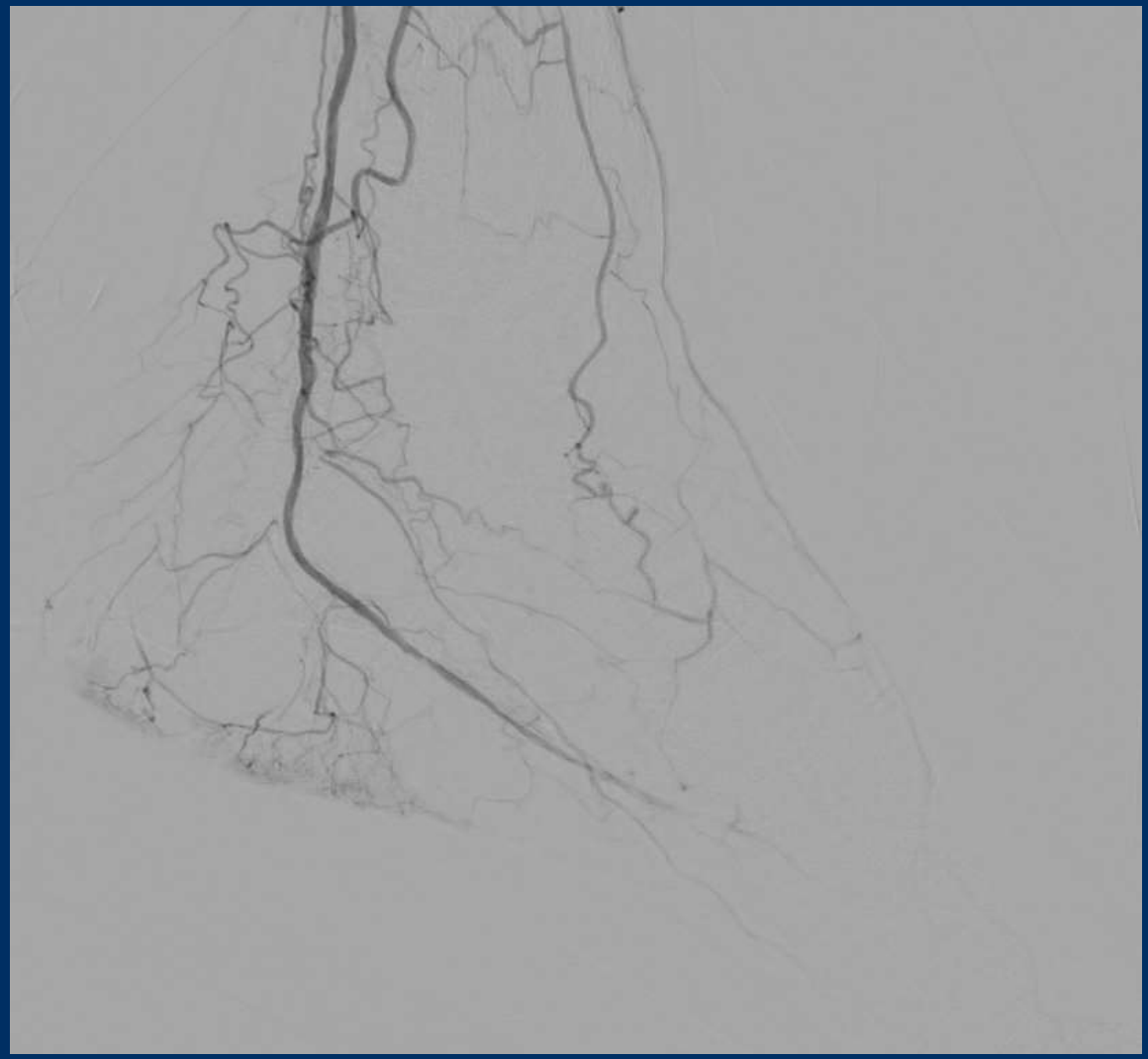
Long CTA PTA, LWT Gladius MG 14 PV ES



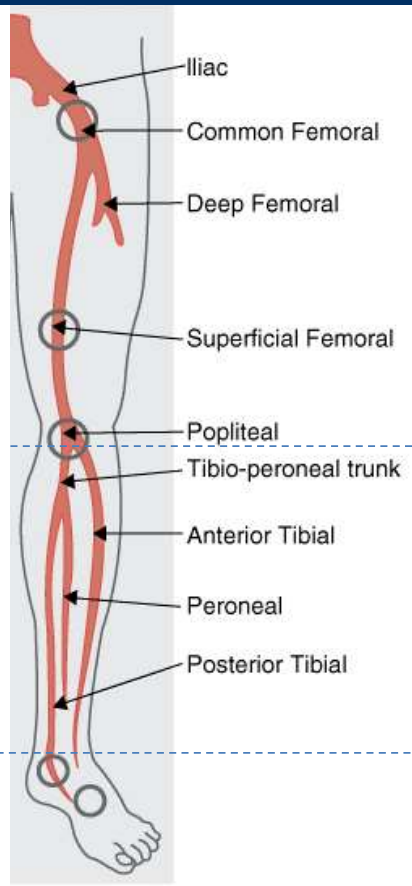
Intraluminal location of GW confirmed

Long CTA PTA, LWT Gladius MG 14 PV ES





Territories of the different Gladius MG PVs



Suggested ASAHI Gladius MG PV use

Wire	Location	Vessels
ASAHI Gladius MG18 PV ES	ATK	Iliac → popliteal

Knee joint

Wire	Location	Vessels
ASAHI Gladius MG14 PV ES	BTK	Distal pop → tibial

Ankle joint

Wire	Location	Vessels
ASAHI Gladius MG14 PV	BTA	pedal plantar arch

Summary

- The Gladius MG PV is a hybrid wire offering new looping possibilities
- Narrow loop for subintimal and true lumen revascularization
- High tip durability and torque control even after looping