Duplex Ultrasound Is The Best Technique For Following BTK Interventions: Why It Improves Outcomes Big Time

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Disclosures
I have nothing to disclose

Duplex Ultrasound to BTK Intervention
• Vessel size
• Optimal balloon angioplasty result
• Flow-limiting dissection
• High outflow resistance
• Final flow pattern

Use of Ultrasound in BTK angioplasty

Duplex Ultrasound may help in defining RVD and POBA/DCB size

DCB has to touch and press vessel wall

Drug Transfer, RVD and Inflation Pressure
Defining optimal balloon angioplasty

The role of Duplex guidance

Residual significant narrowing: Early patency scan necessary to support healing

Lesion preparation: Is angiographic result reliable?

Subintimal recanalization and Spiral Dissection

The patient leaves the cathlab already with restenosis
CONCLUSION

- Duplex ultrasound is a fundamental tool for diagnosis, treatment and follow up in peripheral intervention, particularly in BTK
- DUS can provide correct RVD, POBA/DCB size
- Optimal DUS after DCB seems to predict success on long term
- Due to its safety can be use for patency surveillance and indication for reintervention

So... get skilled !!!!