Catastrophic Iliac Rupture During Aorto-Iliac Angioplasty
Disclosure

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I do not have any potential conflict of interest
History

A 42 y/o man with left leg claudication from 2 years ago
RF : Smoker 20 P/Y
ABI : 0.6
Subintimal Tracking
Wire found the true lumen!
Reconstruction the biforcation
Reconstruction the biforcation
Self expandable stent 8-80
Angioplasty and stenting of right side
Post dilatation 6-40
• At this time patient felt severe back pain
• We stop inflation despite some stent under expansion
We expected what would be in the next !!!!!
Oooops!!!
See also the bladder was shifted!
• Despite balloon inflation in place patient became hypotensive and agitated
• Hemodynamic became unstable
• SBP = 80 HR = 110
Covered stent

- Fortunately we had a 7f sheath in LCFA
- We inserted the covered stent via this access
Covered stent 6-57
Take home message

• Iliac artery perforation is a rare complication of iliac stenting, but when it occurs, the results can be catastrophic.

• External iliac artery is more prone to rupture.

• Listen to the patient, **pain represents an imminent risk of rupture.**

• Gradual and stepwise predilatation may prevent excessive perforation.

• Covered stent with different sizes should be available before the procedure started.
• Have a good access which is **compatible with your available stent grafts.**

• In such emergent condition **you have no time to get a new access!**
Thank You For Your Attention