



VASCUPEDIA

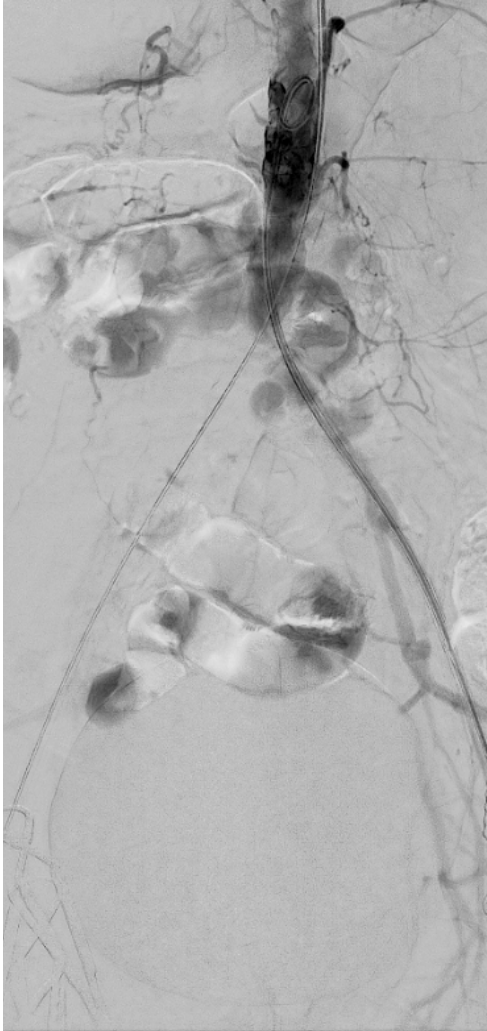


Hybrid revascularization of an acute iliac vessel occlusion: Keep the hypogastric patent

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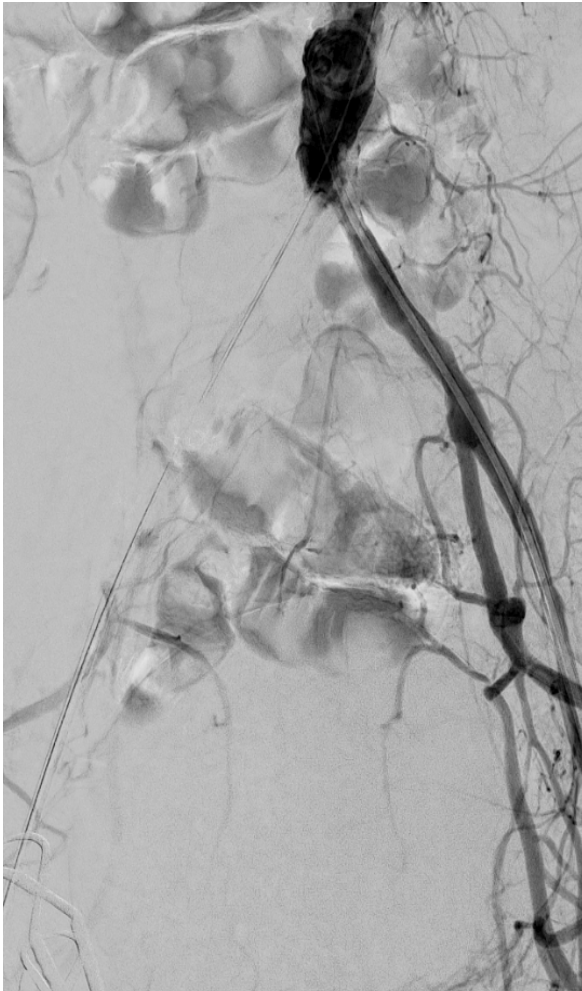
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Case Presentation



- 65 yr. male patient
- Bilateral acute limb ischemia
- Previous claudication of both limbs
- CT scan:
 - Bilateral occlusion of the common iliac artery
 - Occlusion of the hypogastric and the external iliac (r)
 - Patent hypogastric and external iliac (l)

Hybrid Iliac Vessel Revascularization



Step 1:

Bilateral surgical exposure of the common femoral

Step 2:

Crossing of the occlusion with a 0,035'' Glidewire guidewire (Terumo)

Step 3:

Transfemoral thrombectomy of the right iliac vessels with an over-the-wire Fogarty thru-Lumen embolectomy catheter (Edward Lifescience)

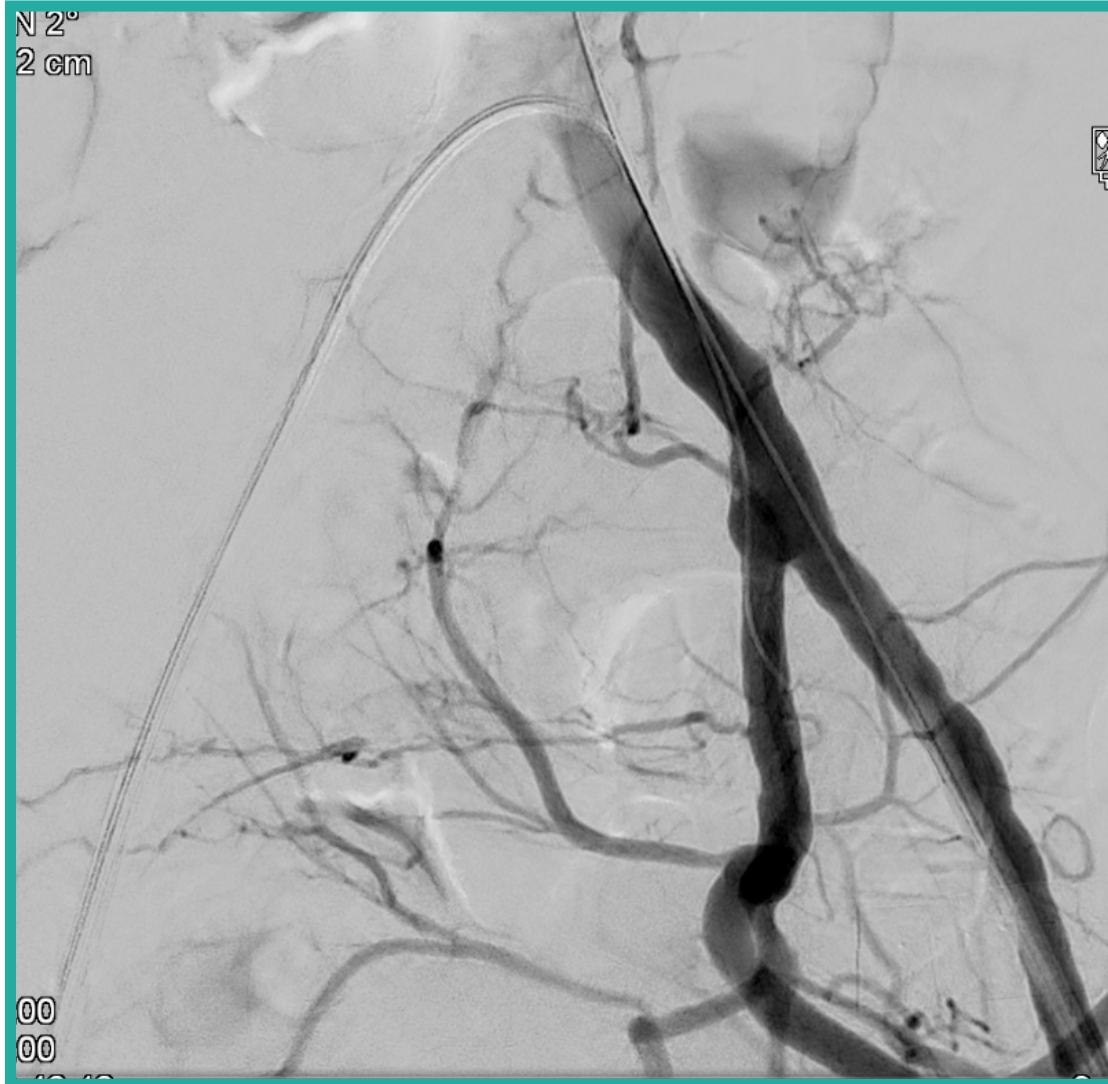
Hybrid Iliac Vessel Revascularization



Thrombectomy



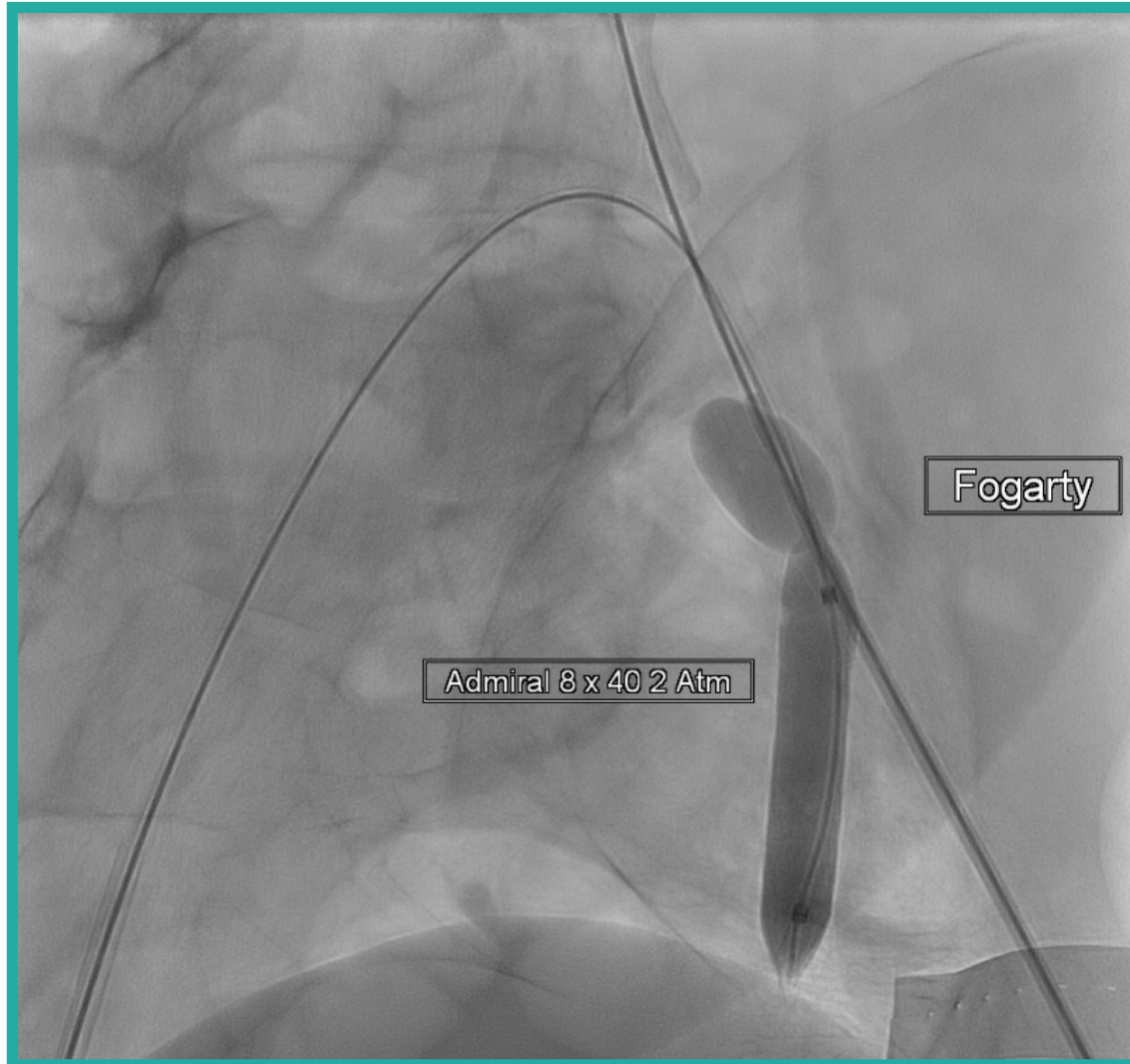
Keep the hypogastric patent



Step 4:

Up and Over positioning of a 0.035'' guidewire in the left hypogastric with a 5 F diagnostic pigtail catheter (Cordis)

Keep the hypogastric patent



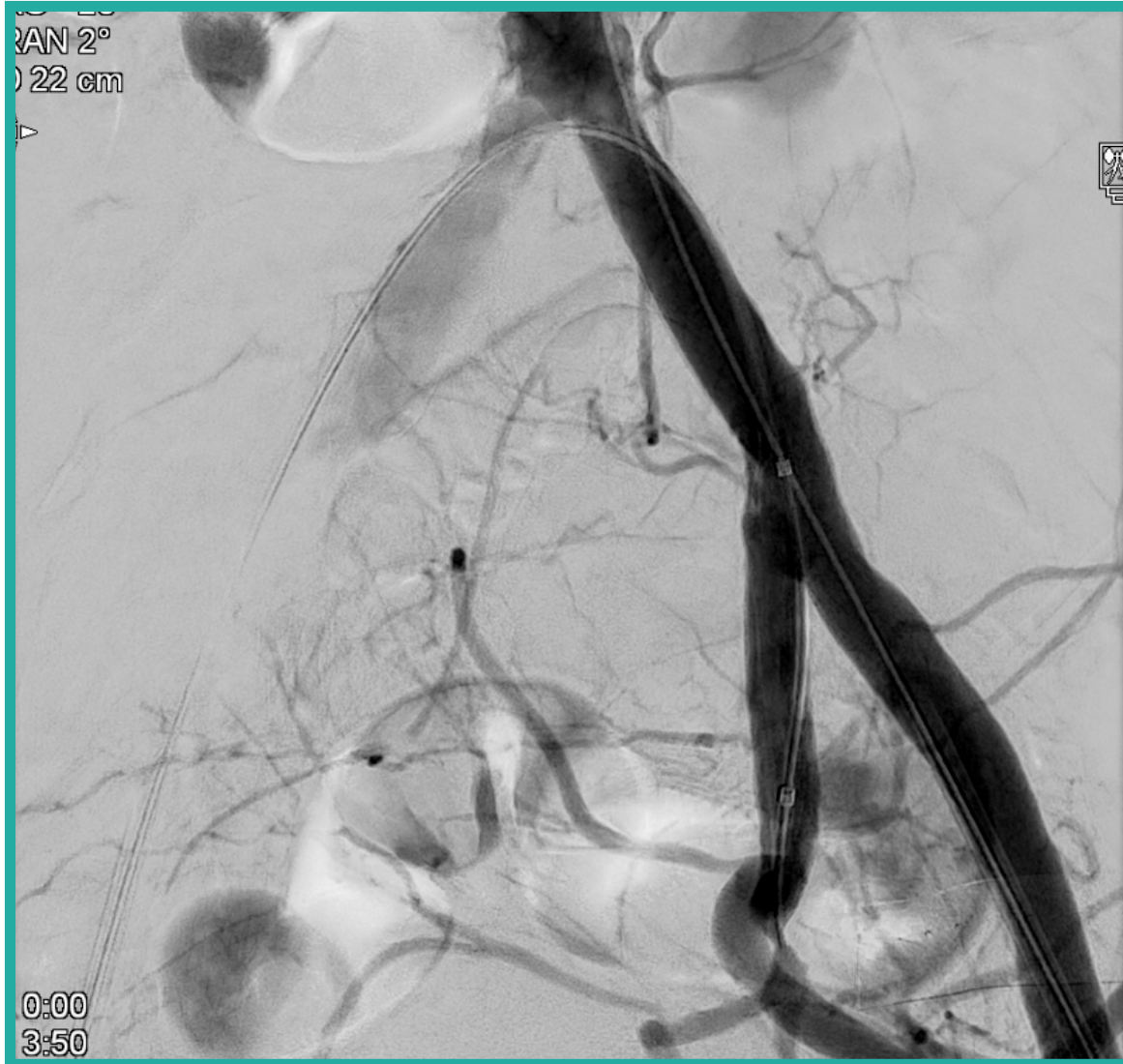
Step 5:

Low pressure inflation (2 Atm) of an Admiral PTA catheter (Medtronic) in the hypogastric

Step 6:

Guidewire guided transfemoral thrombectomy of the left iliac vessels

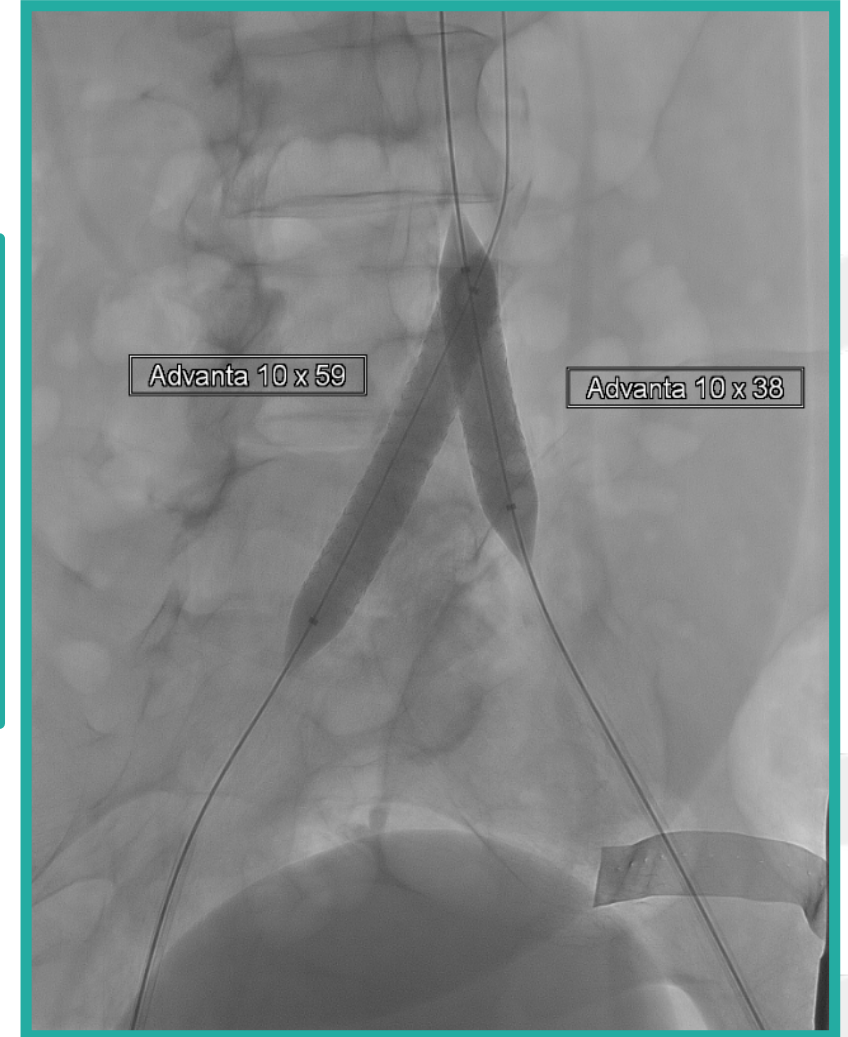
Angiogram after the thrombectomy



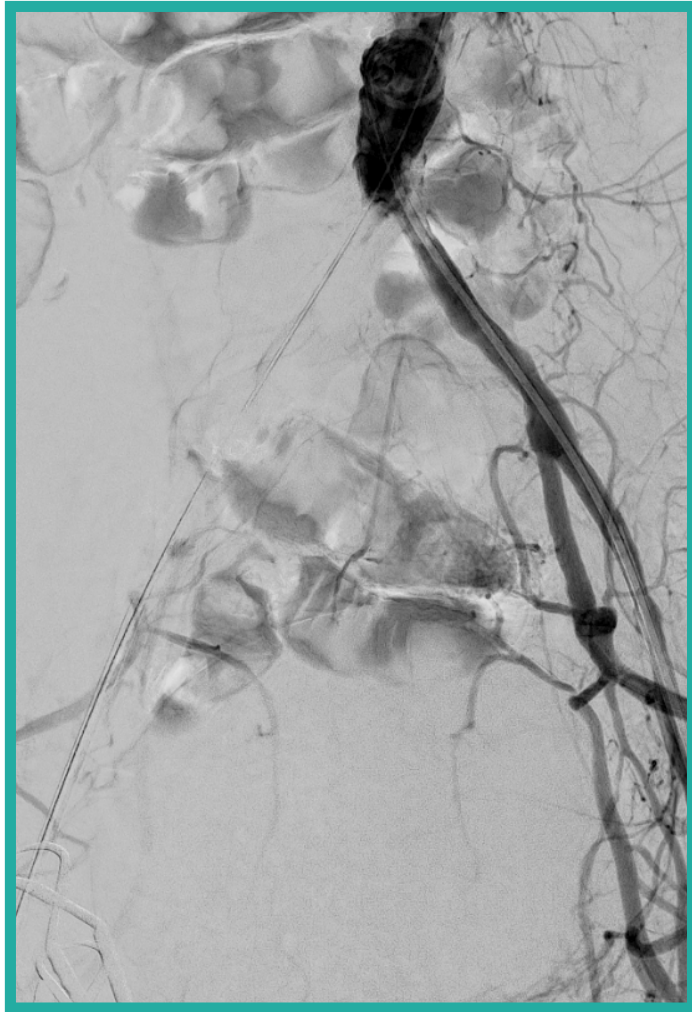
Hybrid Iliac Vessel Revascularization



Step 7:
Kissing Stent
with balloon
expandable
covered stents
(Maquet)



Final Result



Summary

- Acute bilateral hypogastric occlusion is associated with increased morbidity
- Although iliac thrombectomy is considered a straightforward procedure might lead to hypogastric occlusion
- Basic endovascular materials can be helpful in keeping the hypogastric patent