



VASCUPEDIA

A case of bilateral symptomatic aneurysms of common femoral arteries: surgical management

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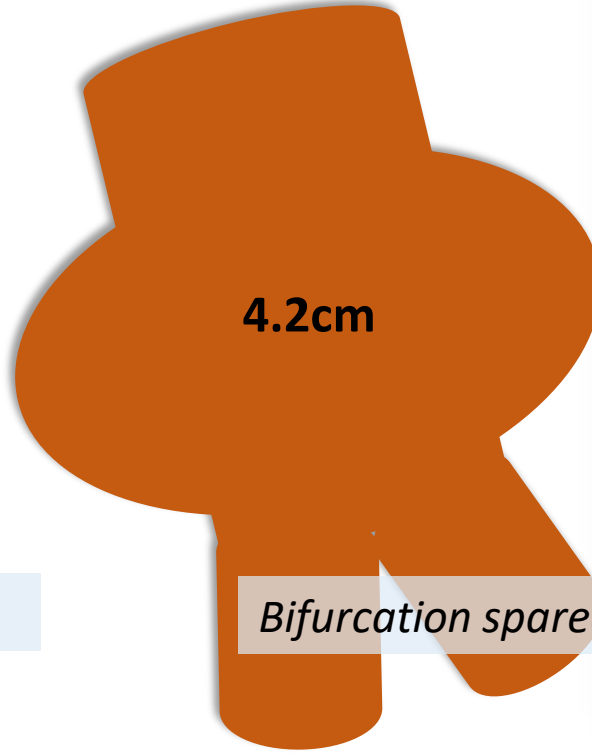
Case presentation

- A 78-year old patient was admitted to our clinic complaining of pain of toes of both feet, resembling multiple peripheral embolism
- Clinical examination revealed palpable pulses over dorsalis pedis artery bilaterally
- Palpable masses at the femoral sites
- Med history: heavy smoker, hypertensive, no previous operations or femoral punctures, no history of atrial fibrillation
- Color Duplex scan showed aneurysms of both common femoral arteries
- CT scan: No aneurysm of the abdominal aorta, iliacs or popliteal arteries



Remote (splayed) ostia of SFA and profunda

3cm



4.2cm

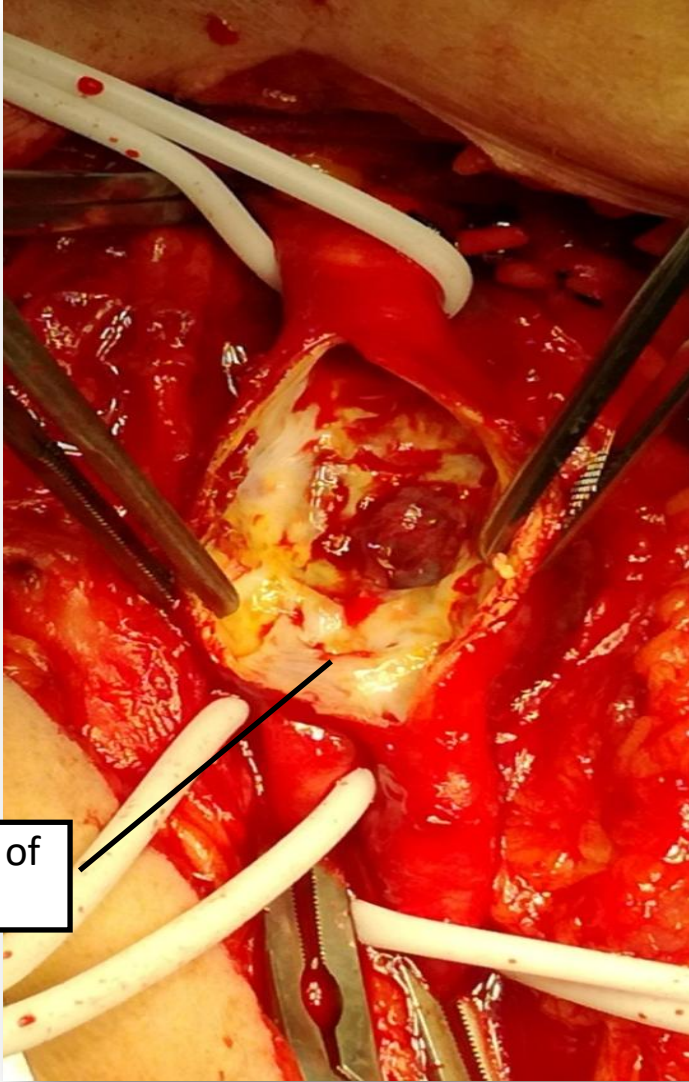
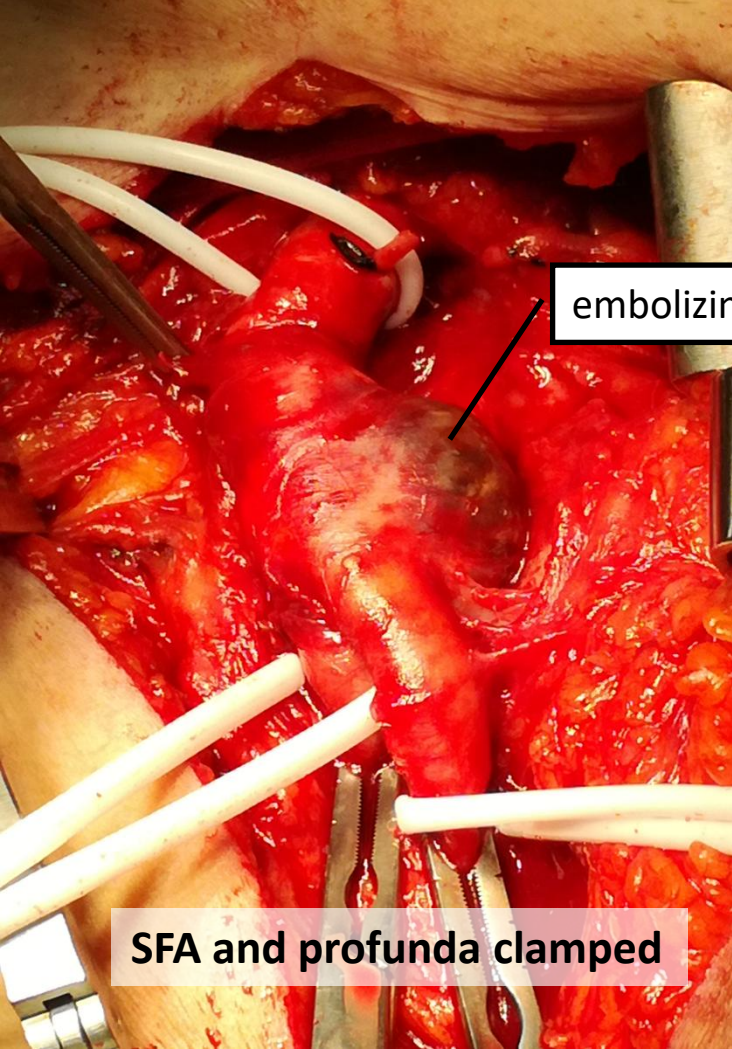
Bifurcation spared



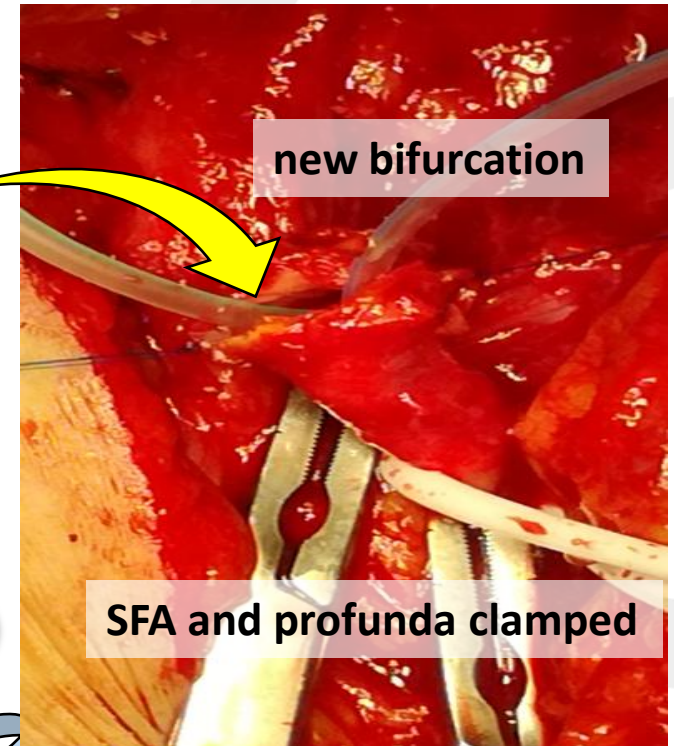
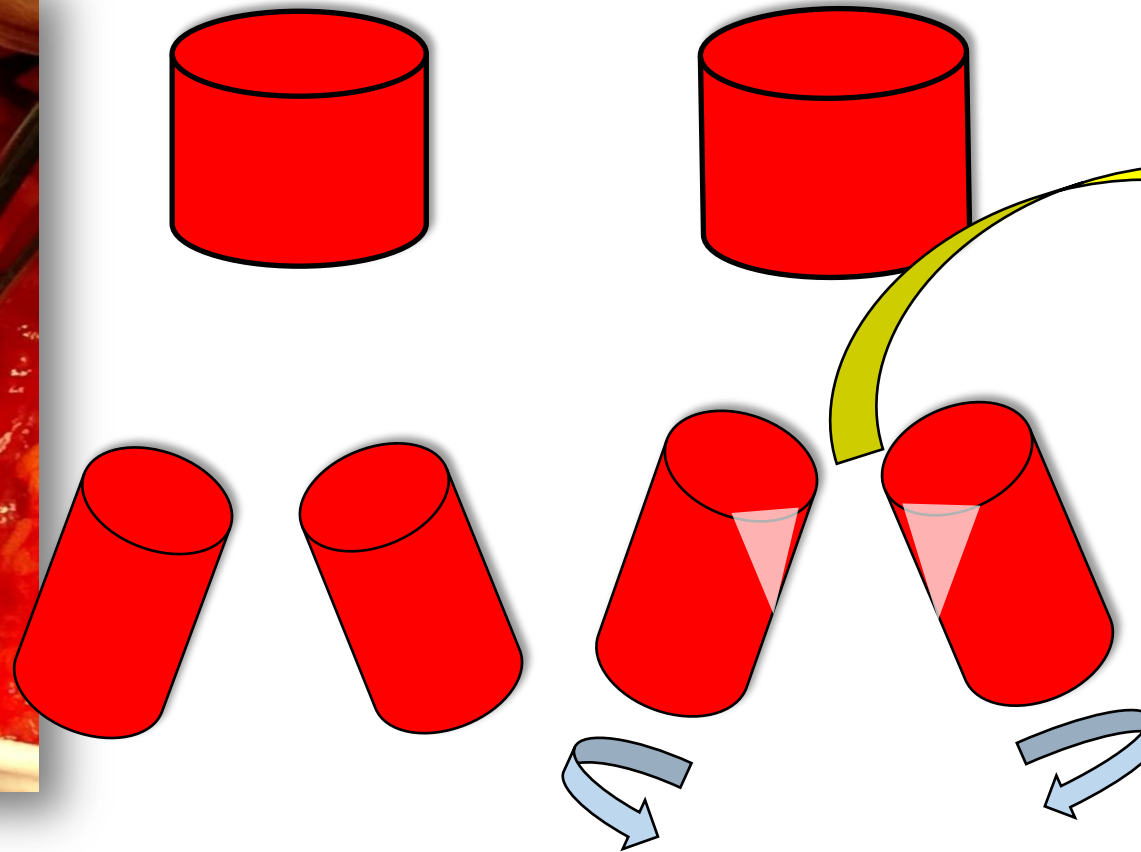
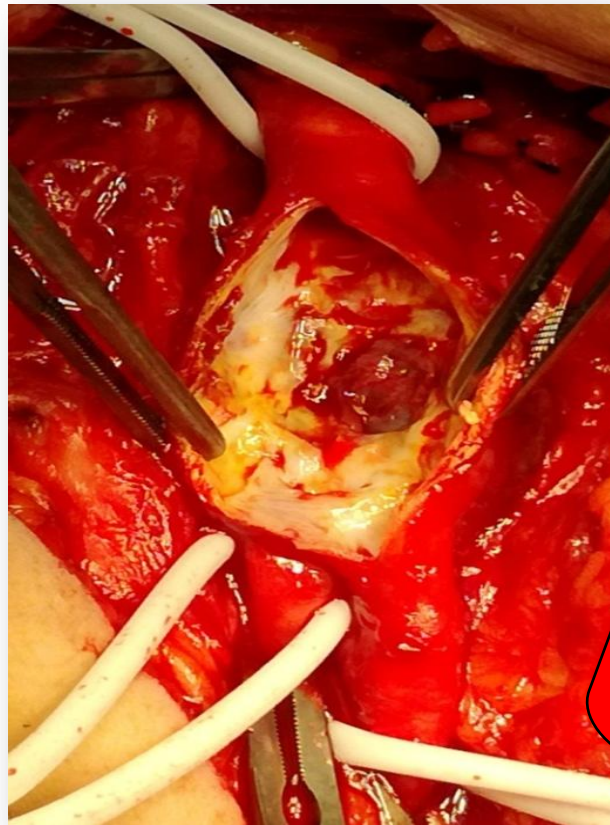
Left common femoral aneurysm

Although the right CFA aneurysm was smaller, the tissue necrosis was more prominent on the right foot, therefore we proceeded first with the right aneurysm

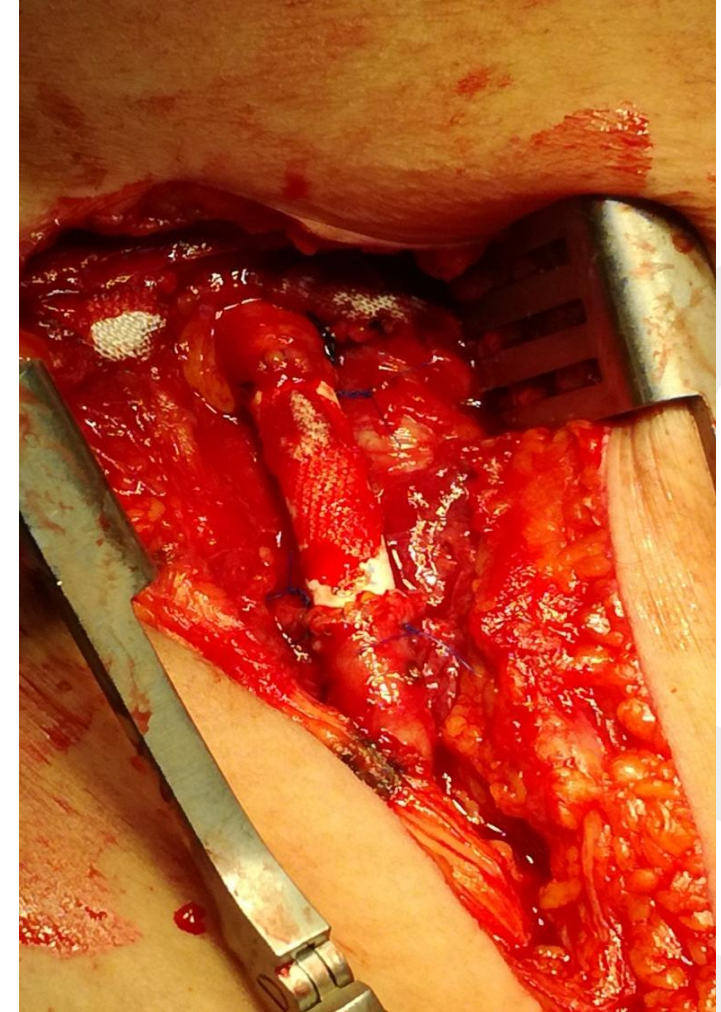
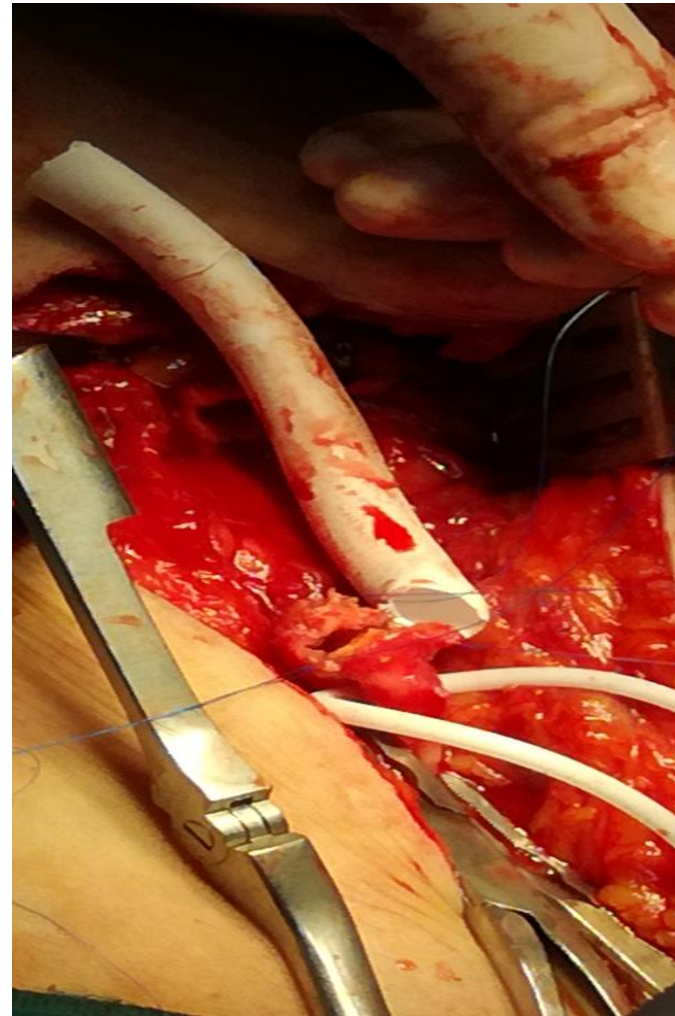
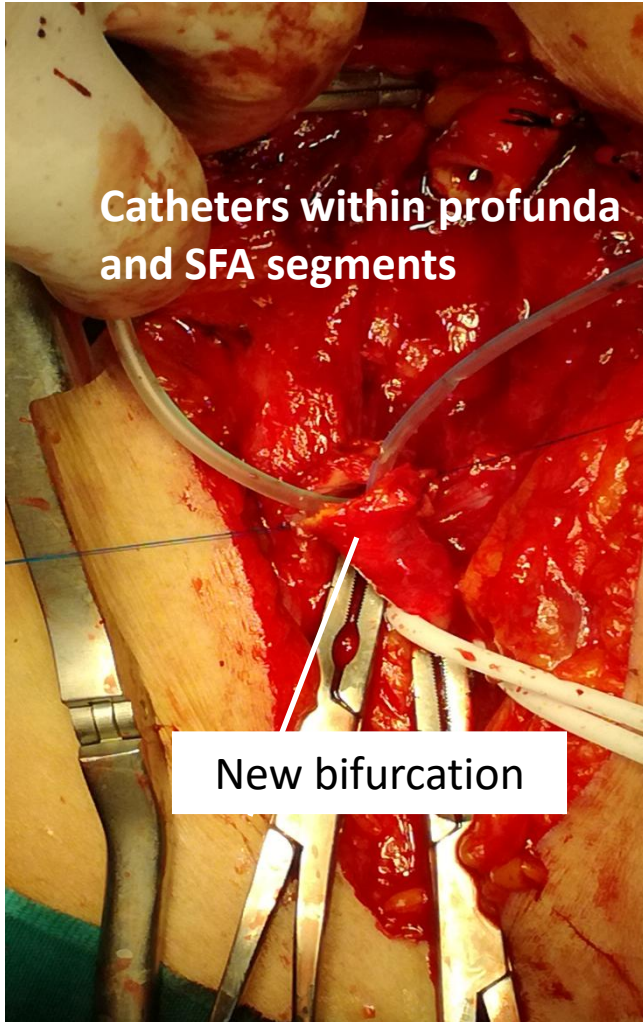
Resection of right CFA aneurysm - extraction of thrombus



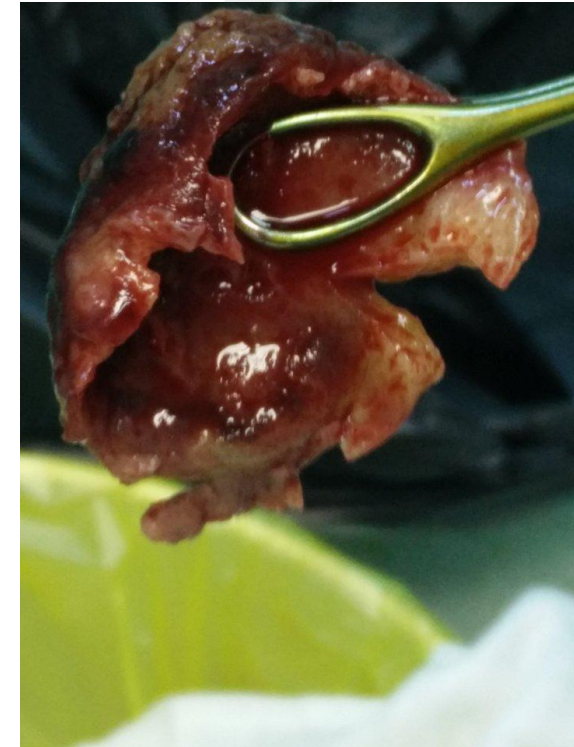
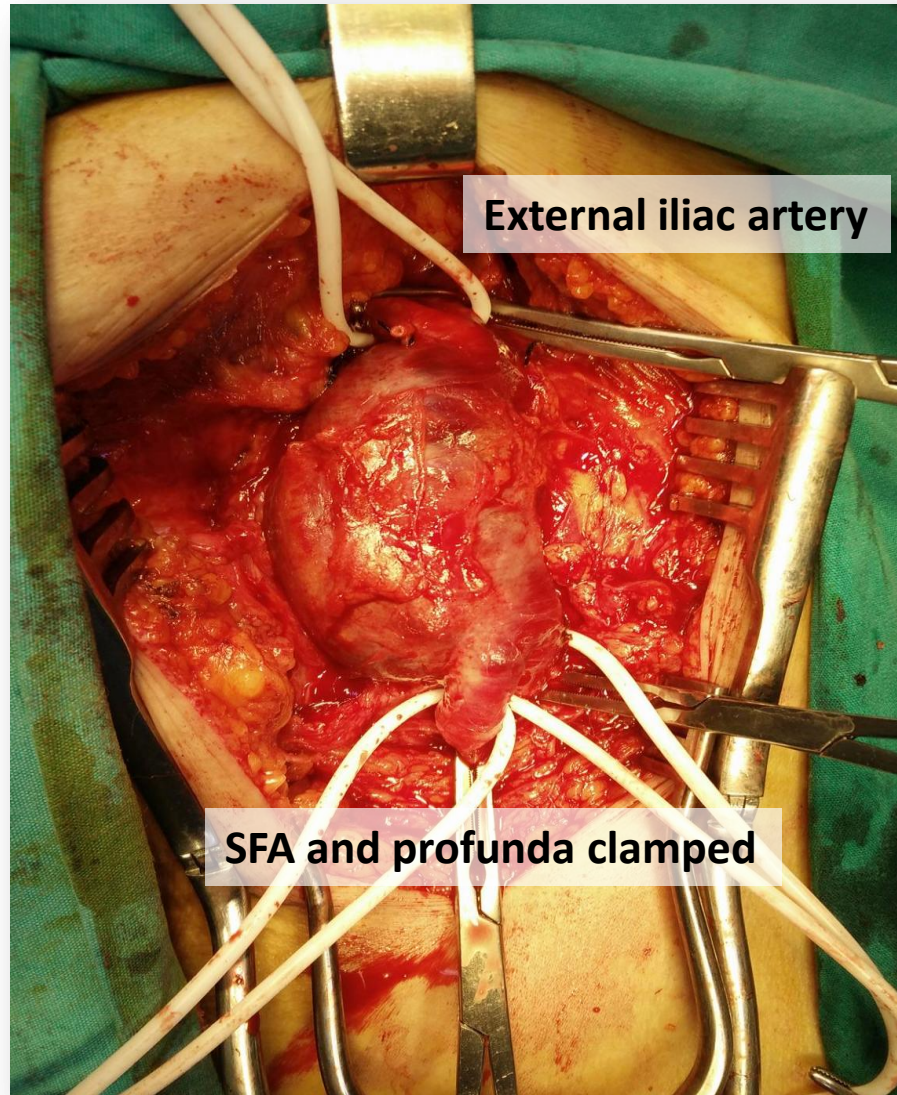
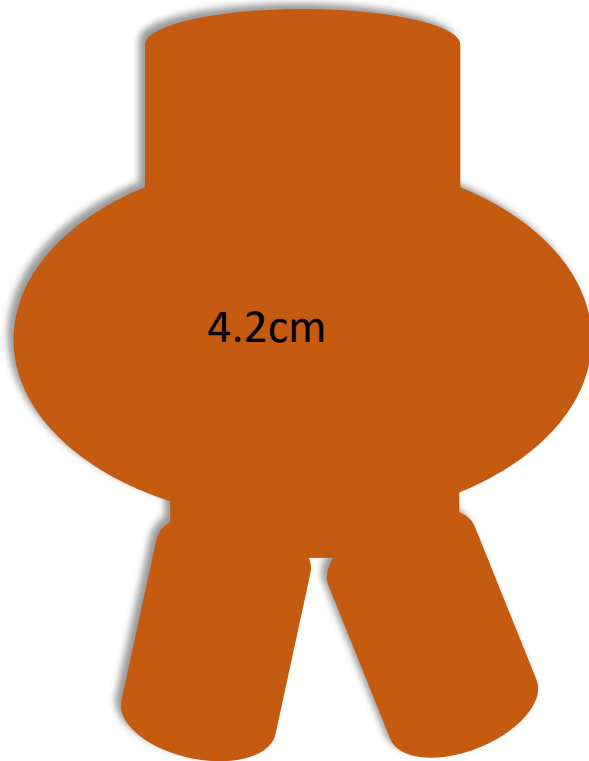
Remote (splayed) orifices of SFA and profunda / mobilization of arteries/ arteriotomies medially vis-a-vis / continuous suturing to construct a new bifurcation



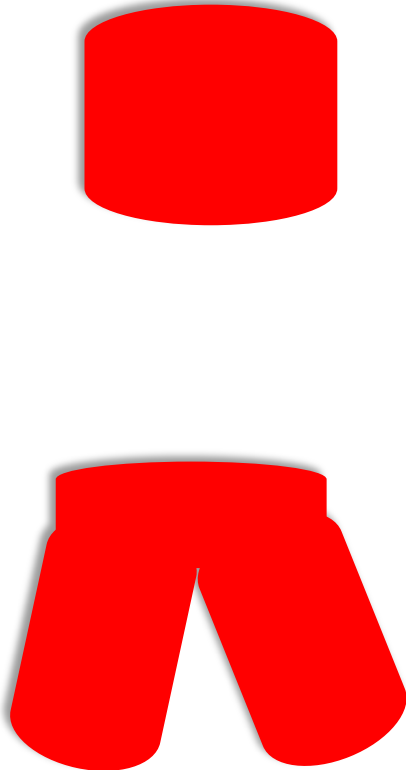
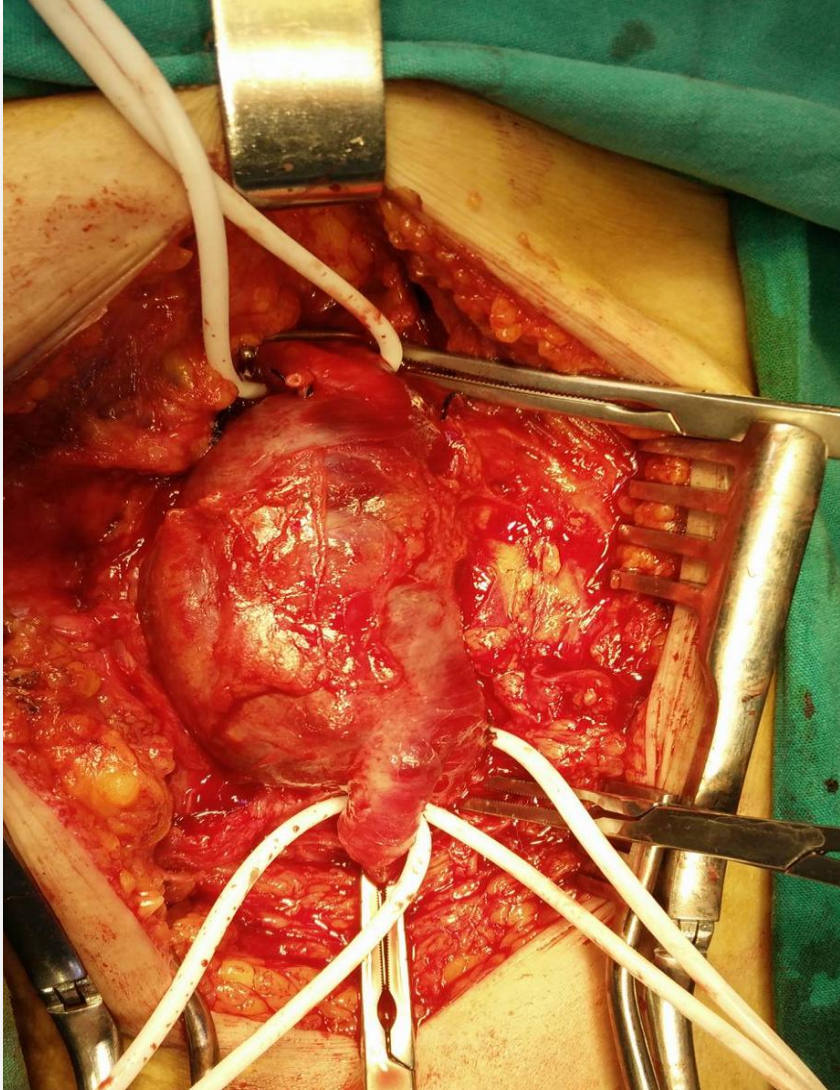
8mm PTFE interposition between right external iliac artery and constructed new bifurcation (common ostium of SFA & profunda)



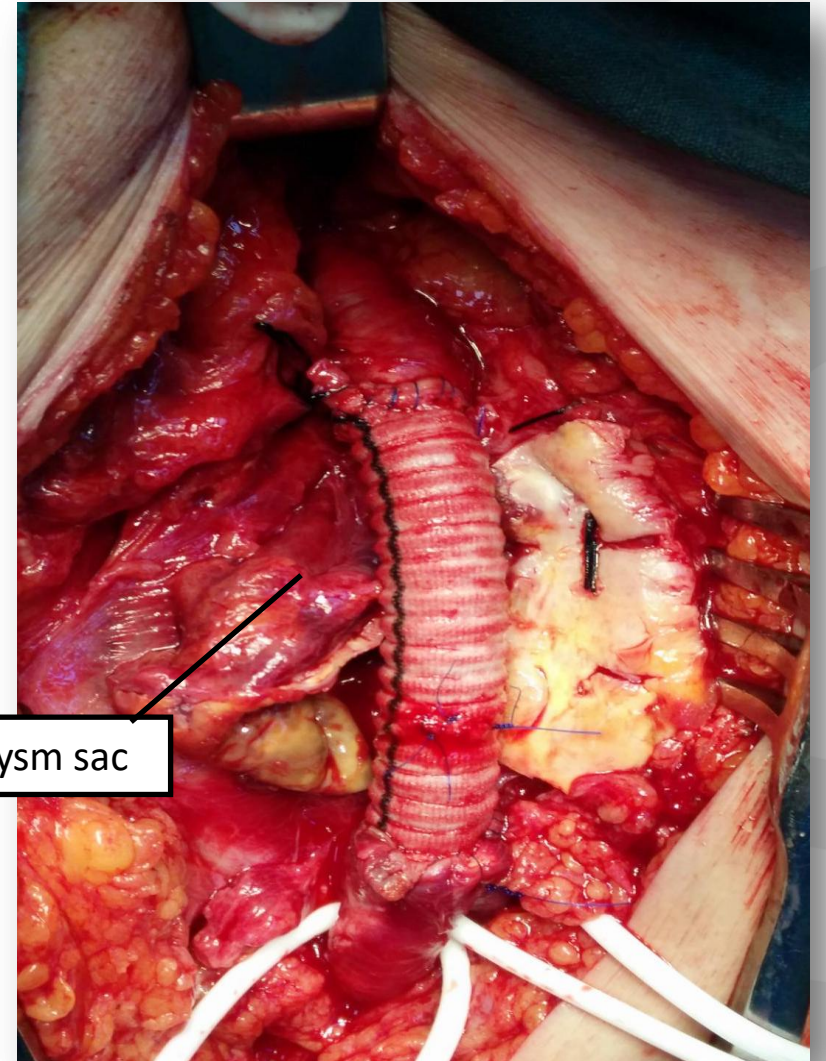
Management of left CFA aneurysm - extraction of thrombus



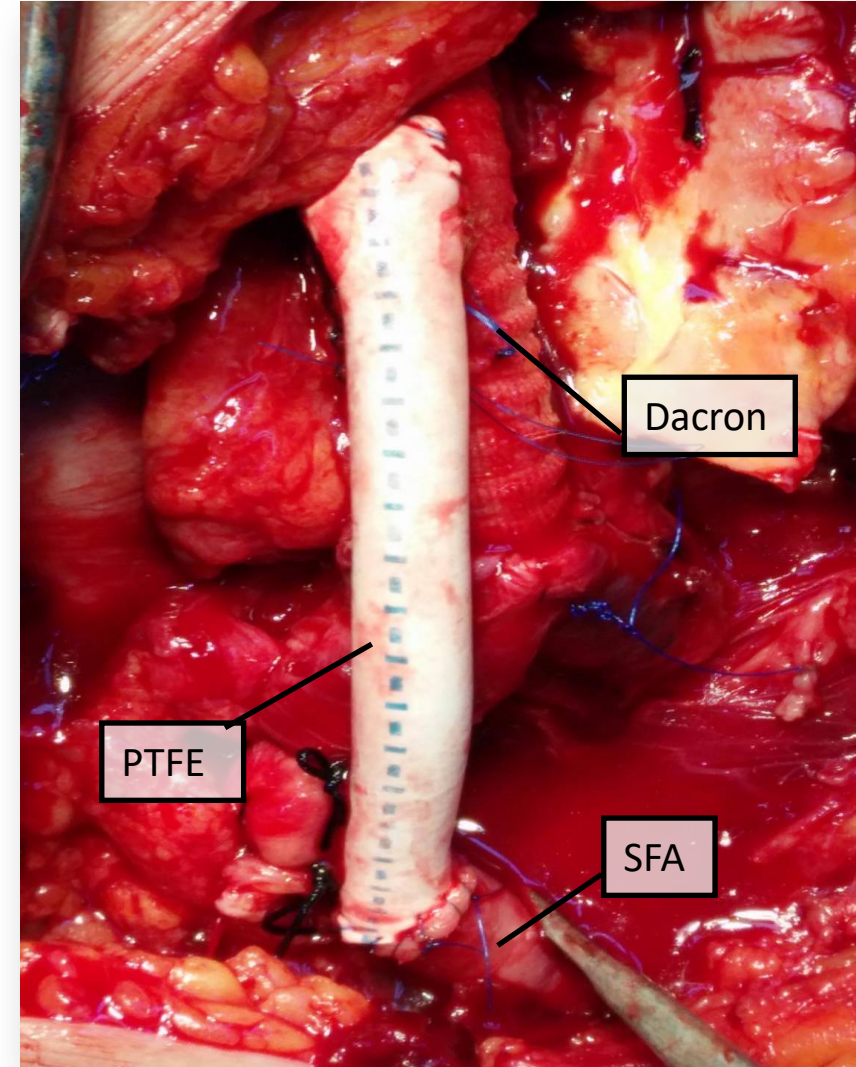
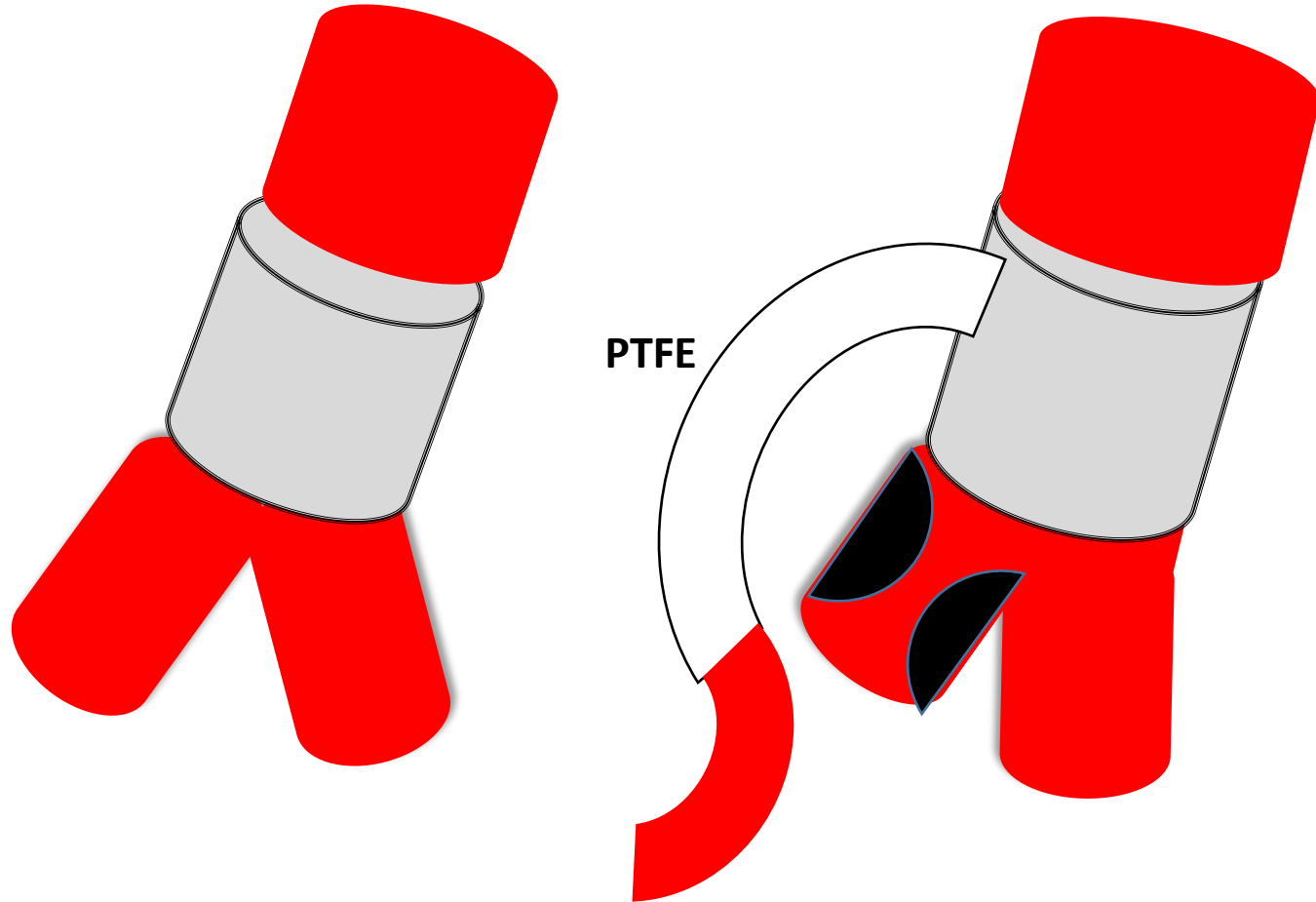
Tube Dacron interposition between left external iliac artery and CFA bifurcation



Aneurysm sac



Compromization of the orifice of left SFA and PTFE jump-graft from the Dacron graft (end-to-side) to divided SFA (end-to-end anastomosis)



Postoperatively...

- Operation on the left side was conducted after a 10days interval
- Maintenance of peripheral palpable pulses bilaterally
- Postoperative phase was uneventful in both cases

Questions to Vascupedians

- *Would you operate on an common femoral artery aneurysm if asymptomatic?*
- *Would you cover the patient with long-life antiplatelet therapy?*
- *What is your preferred method to manage such aneurysms?*