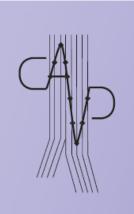
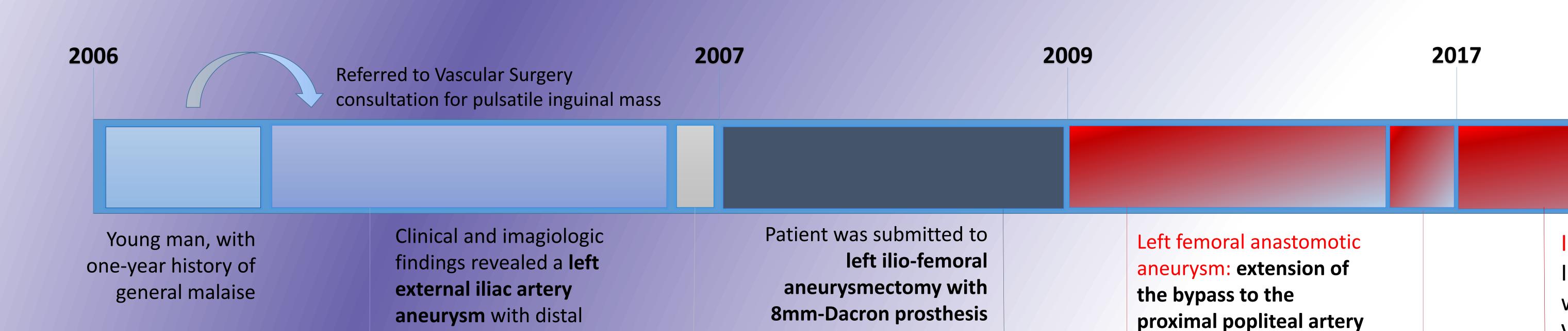
ANASTOMOTIC ANEURYSMS HYBRID TREATMENT IN A CASE OF INFLAMMATORY ARTERITIS



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with an 8mm-ePTFE





8mm-Dacron prosthesis interposition

> Histological findings of aneurysm wall showed middle and adventitious layers with inflammatory infiltrate cells without multinucleated giant cells

Persistent fluid collection peripheral to dacron bypass: Culture negative Dacron reaction?

Imune-mediated?

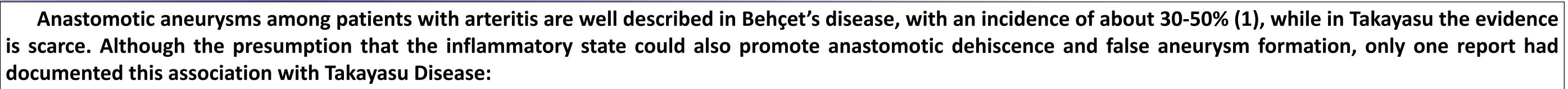
Iliac anastomotic aneurysm:

Iliac anastomosis and pseudoaneurysm was excluded with **stentgraft** (Gore® Viabahn), maintaining the only major pelvic arterial inflow, and a transobturator left common iliac artery popliteal artery bypass with ePTFE and complete Dacron removal

Fluid and dacron microbiological studies were **negative**

One-year control angio-CT: no evidence of anastomosis disruption or stenosis





Started corticoid

treatment

- Miyata et al (2) presented their 40 years' experience after surgical treatment of Takayasu's arteritis: the cumulative incidence of anastomotic aneurysms at 10 and 20 years was 6.0% and 12.0%, respectively. The incidence of anastomotic aneurysm was higher if the intervention was performed for an aneurysmal lesion, and anastomotic aneurysm could develop any time after the operation. However they failed to prove if the occurrence of an anastomotic aneurysm would be related to the presence of inflammation or preoperative use of steroids.
- On the other side, Fields et al (3) presented a casuistic with 44 patients and 60 operations, and no false aneurysms during follow up. The auhors defended that the anastomotic aneurysm formation could be reduced by constructing anastomoses beyond inflamed areas.

Despite our patient's clear propensity for the development of anastomotic pseudoaneurysms, it lacked enough criteria for Behçet Disease and as been classified as Takayasu's disease.

1. Alpagut U, Ugurlucan M, Dayioglu E. Major arterial involvement and review of Behçet's disease. Ann Vasc Surg. 2007 Mar;21(2):232-9.

extension to femoral

arteries, a right external

right subclavian artery

occlusion

iliac artery stenosis and a

- 2. Miyata T, Sato O, Deguchi J, Kimura H, Namba T, Kondo K, et al. Anastomotic aneurysms after surgical treatment of Takayasu's arteritis: a 40-year experience. J Vasc Surg. 1998 Mar; 27(3):438-45.
- 3. Fields CE, Bower TC, Cooper LT, Hoskin T, Noel AA, Panneton JM, et al. Takayasu's arteritis: operative results and influence of disease activity. J Vasc Surg. 2006 Jan;43(1):64-7





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