

Managing the groin Pseudoaneurysm

VS ASM 2018 Vice-President's Symposium





Keith G Jones Consultant Vascular Surgeon London Vascular TPD Deputy Chair Vascular SAC

VS ASM 2018 Vice-President's Symposium



Am I a Groinery expert?

<u>No</u> There is no such word in the dictionary! Not allowed in scrabble!

So why ask me.?

VS ASM 2018 Vice-President's Symposium





My Remit?

Groin Pseudoaneuryms

Post Cannulation- Cardiology / IR / PEVAR
 IV DU – infection

Anastomotic- Proximal / Distal Aspect of graft

Is there advice on when to intervene?

How to repair? Role for endovascular / funny bypass options

VS ASM 2018 Vice-President's Symposium





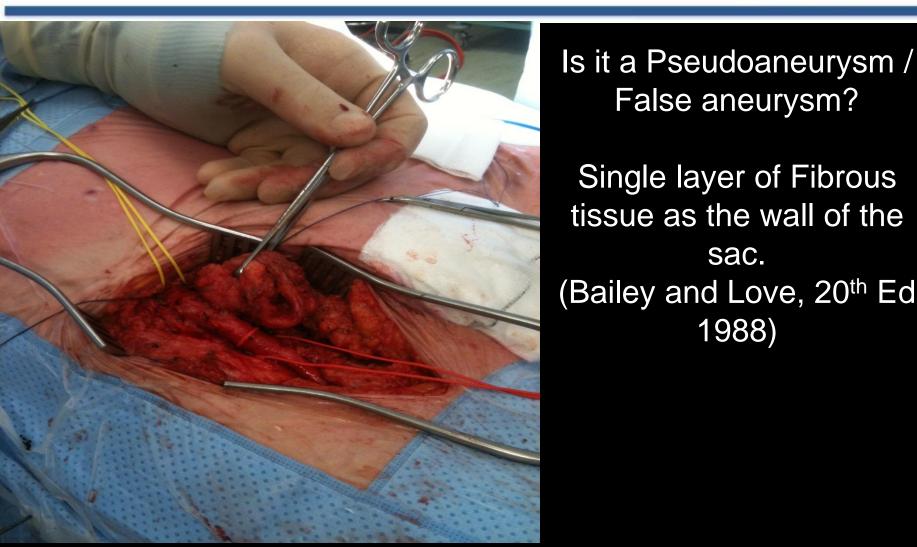
Post PEVAR Painful mass

Post reintervention

VS ASM 2018 Vice-President's Symposium

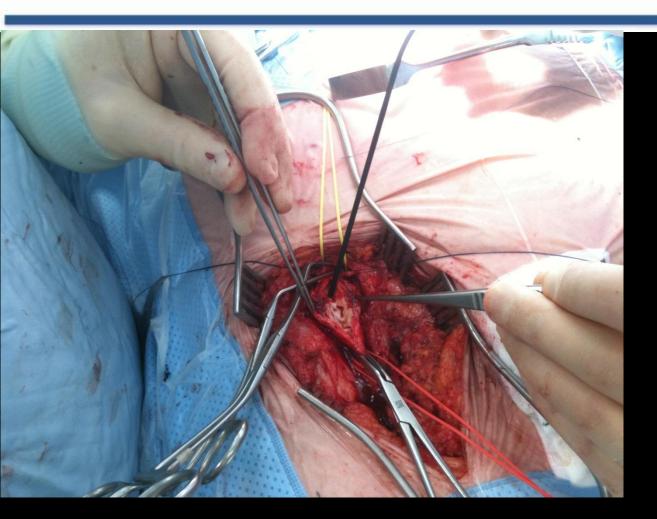












Difficulties of control; Proximal dual clamp. High PFA with balloon control.

Vein patch repair

No muscle flap required

VS ASM 2018 Vice-President's Symposium



What are the rules?

- No role for Conservative Management if an anastomosis is distrupted!
- Increasing size risks arterial and venous compression, embolism or thrombosis (Vascular and Endovascular Surgery 2nd ed)
 - Post Cannulation 2-3cm appears
 the cut off for intervention

VS ASM 2018 Vice-President's Symposium



Post Cannulation? Acceptable rate 0.2%

Reported 0.6%-6%

Treat if over 2cm maximal diameter-But <u>NO</u> Consensus guidelines Look for neck length > .9cm Thrombin injection~97% success rate Lack of Thrombin- US compression

VS ASM 2018 Vice-President's Symposium

29/11/2018

KGJ





Non resolution/ Expanding/ Skin Pressure

Oblique Groin Crease Incision Control at the inguinal Ligament

Puncture site bleed- suture closure

Failed closure device – arteriotomy and patch

VS ASM 2018 Vice-President's Symposium



Anastomotic False Aneurysms?

• Risk of making a come back?

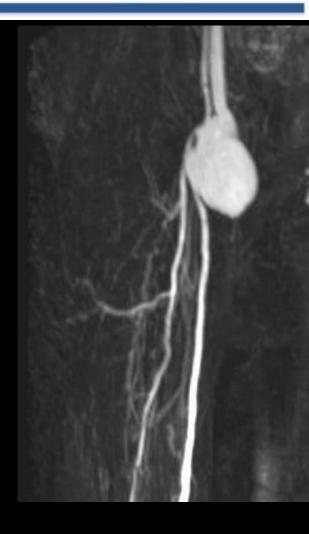
Often concern that these are due to Chronic Infection. But more likely technical or material related; Suture breakage/ cutting through.

VS ASM 2018 Vice-President's Symposium





Technically Challenging!

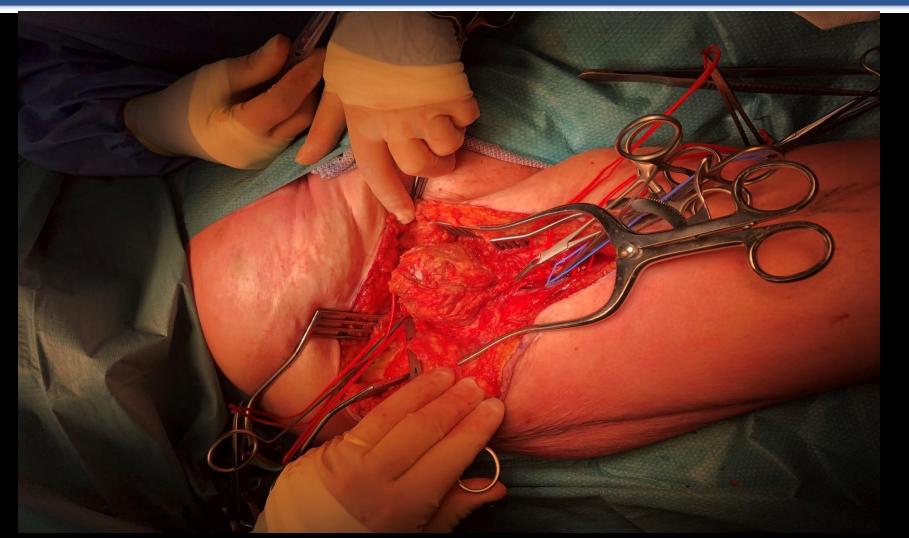


VS ASM 2018 Vice-President's Symposium

29/11/2018

KGJ

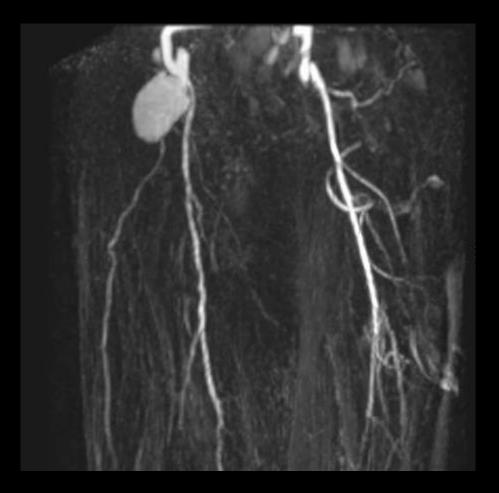






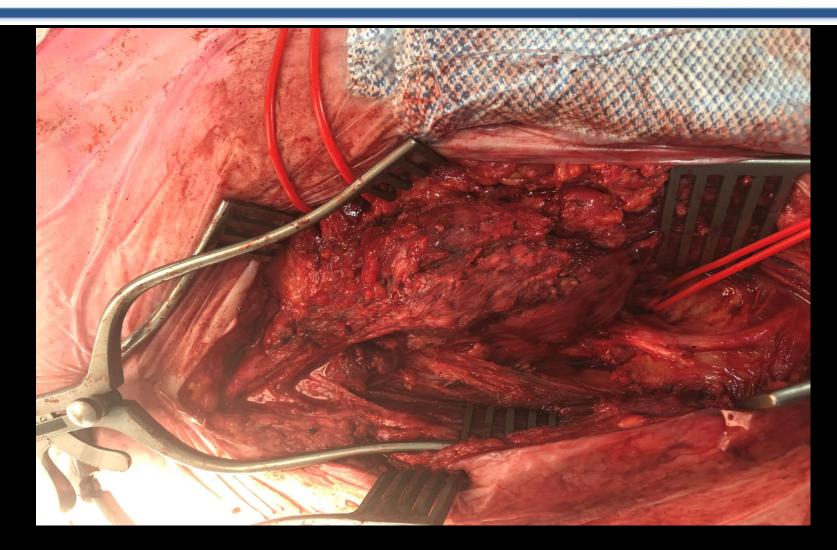












29/11/2018

KGJ



old Blocked Lage Defect Into Thatas Filled False An CLCC JA K.aSOME

Lateral False Aneurysm at anastomotic site of old cross over

Patent Aorto-femoral limb Controlled-proximally

Silver graft soaked in Rifampicin

Sartorious switch muscle flap coverage.

VS ASM 2018 Vice-President's Symposium



Surgical Plan?

- Will the pt tolerate intervention or the complications!
- Plan your approach / control and have a back up!
- Plan the conduit replacement and have a autologous back up!
 - Expect it to take a long time!
- Expect to have to reconstruct a native vessel for an anastomosis

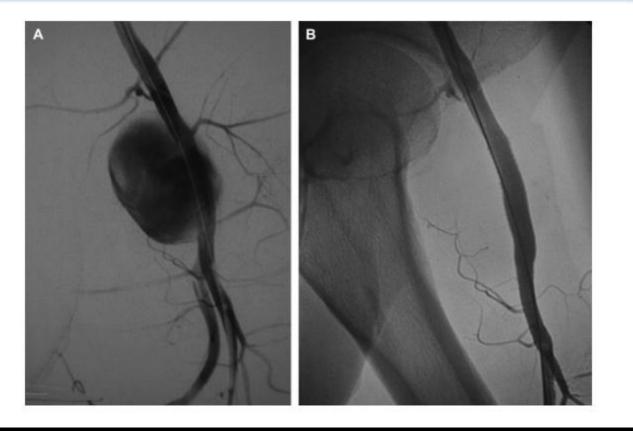
Warn the Anaesthetist

VS ASM 2018 Vice-President's Symposium

29/11/2018

KGJ





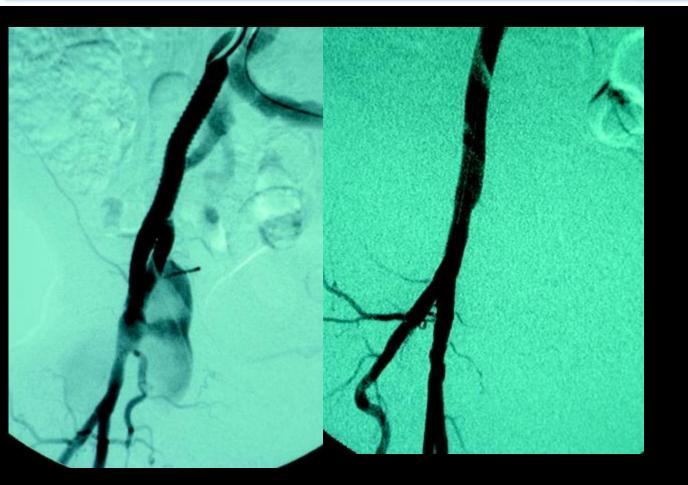
Immunosuppressed Ipsilateral access

Endovascular Options

VS ASM 2018 Vice-President's Symposium







Derom & Nout EJVS Dec 2005

Case Series Of 6 High risk cases.

VS ASM 2018 Vice-President's Symposium

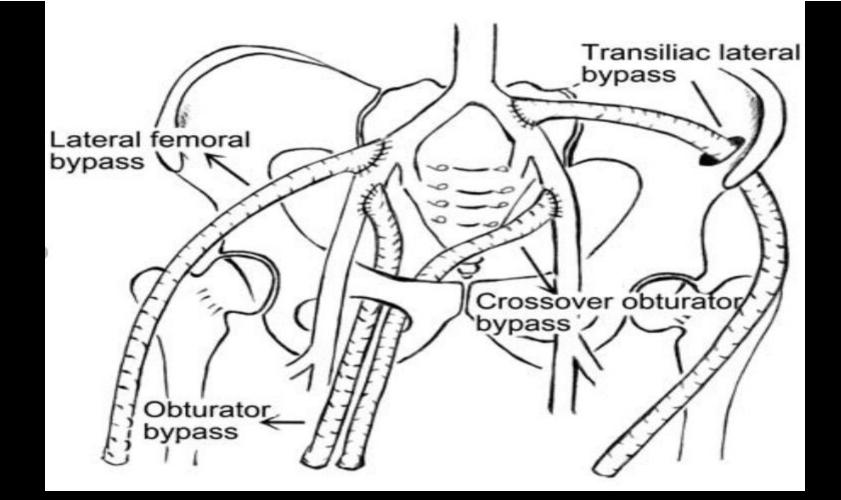




But what if it is infected?

- The prosthetic has to go!
- All the groin vessels sewn over
- Extra anatomical Bypass ideally with vein.
- Can reconstruct SFA/PFA bifurcation distally.





29/11/2018

KGJ



Infected False Aneurysm Post Drug Injection

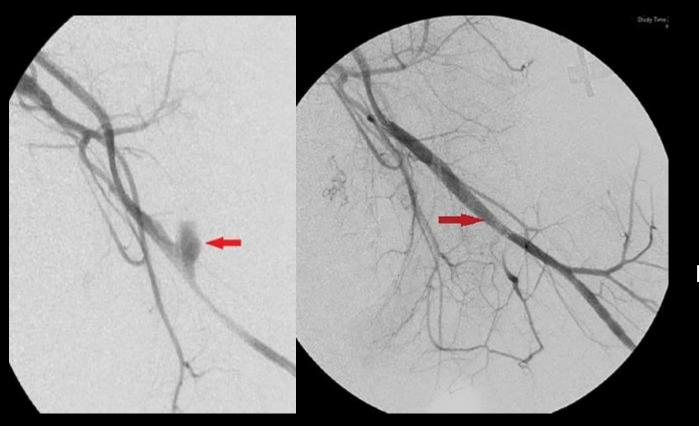
Vascular Control Debridement Primary Ligation Risk of Amputation ~8% (worse if all 3 vessels ligated) Revascularisation~12% risk of amputation Coughlin EJVS 2006

VS ASM 2018 Vice-President's Symposium









Endovascular stent control of haemorrhage

Subsequent definitive revascularisation

Ahmad et al IJSCR 2017

VS ASM 2018 Vice-President's Symposium





Thank You

Any Questions?

VS ASM 2018 Vice-President's Symposium

