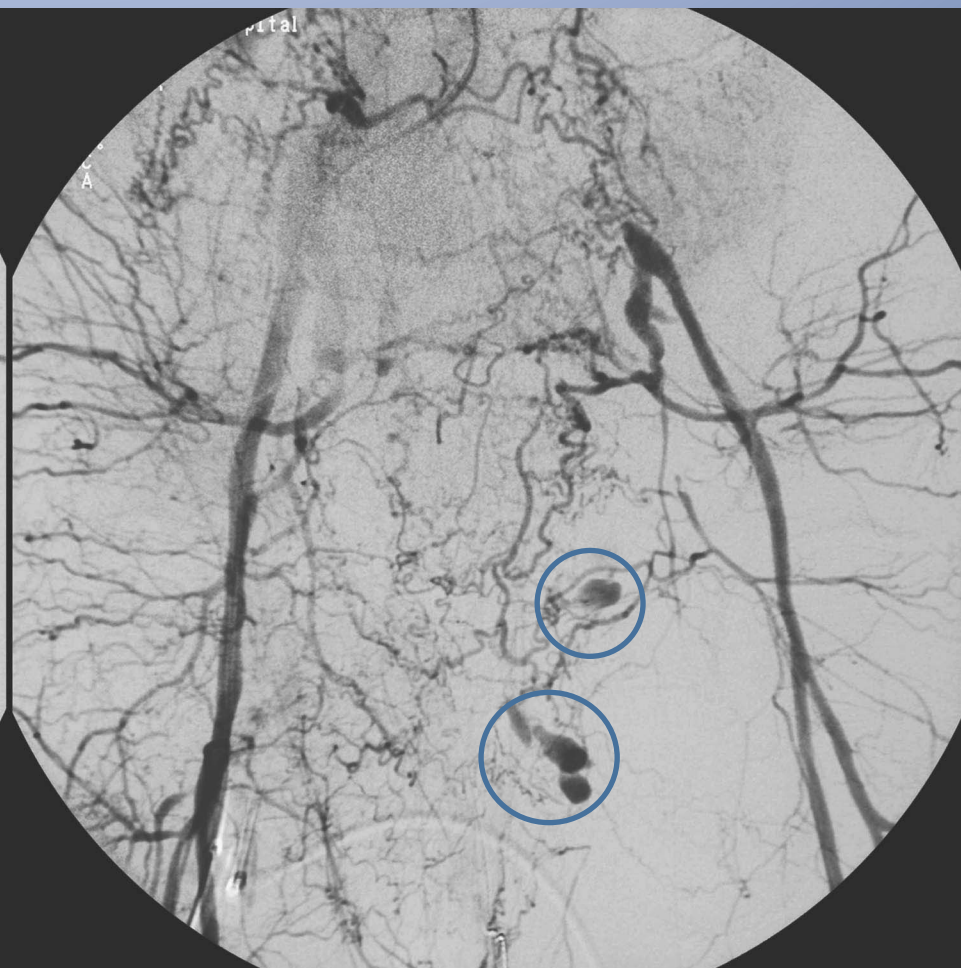
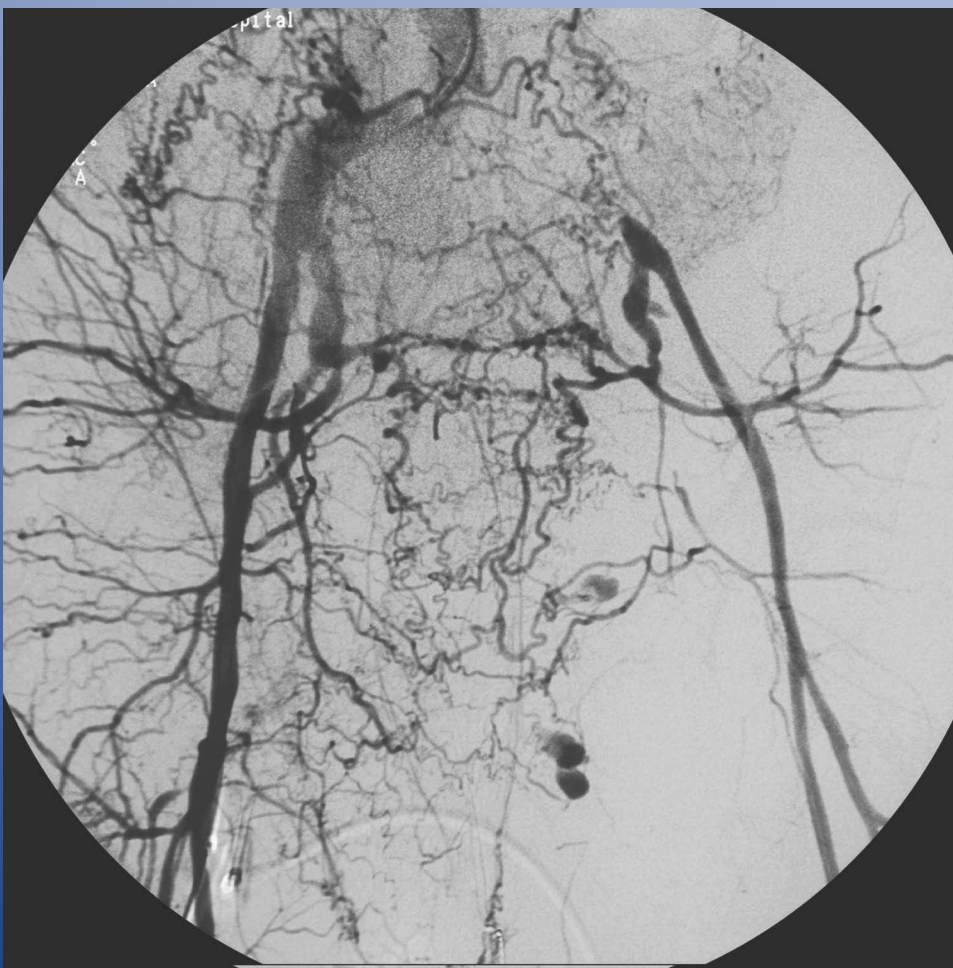
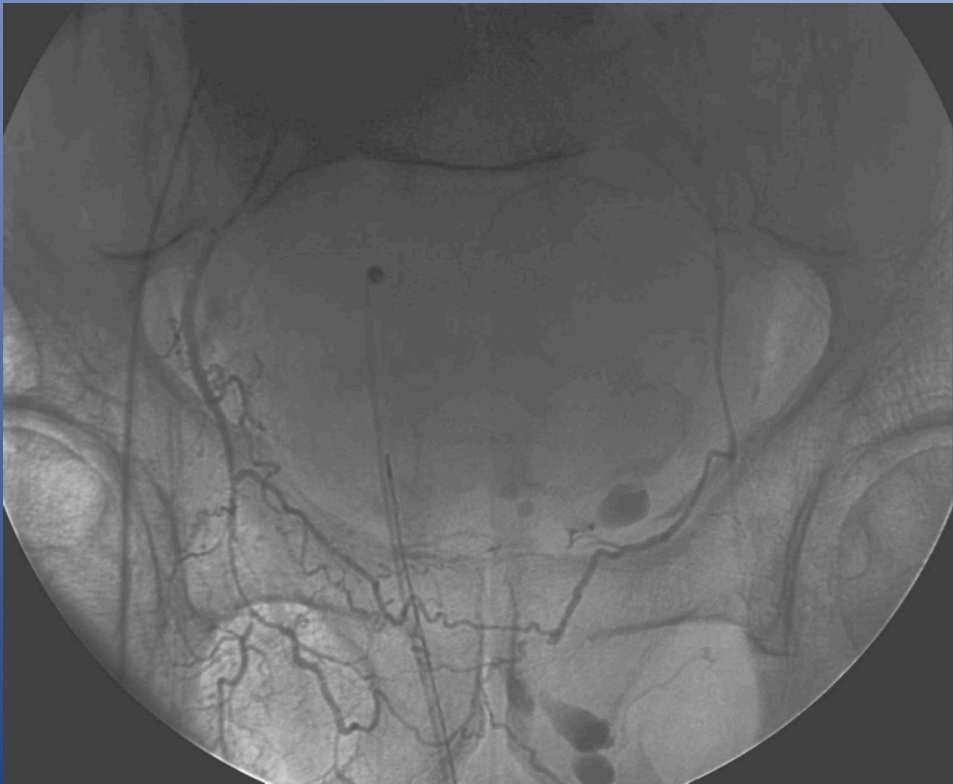


# Case # 1

- 77 year old ♂
- Car accident
- No history of lower extremity ischaemia









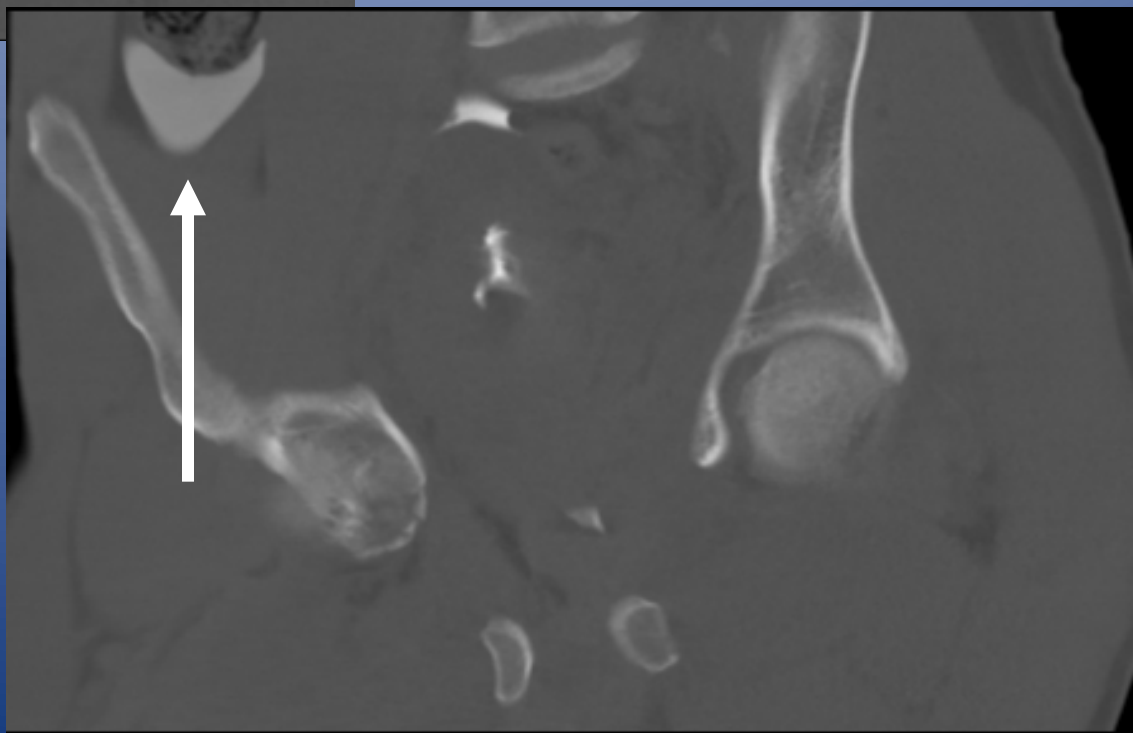
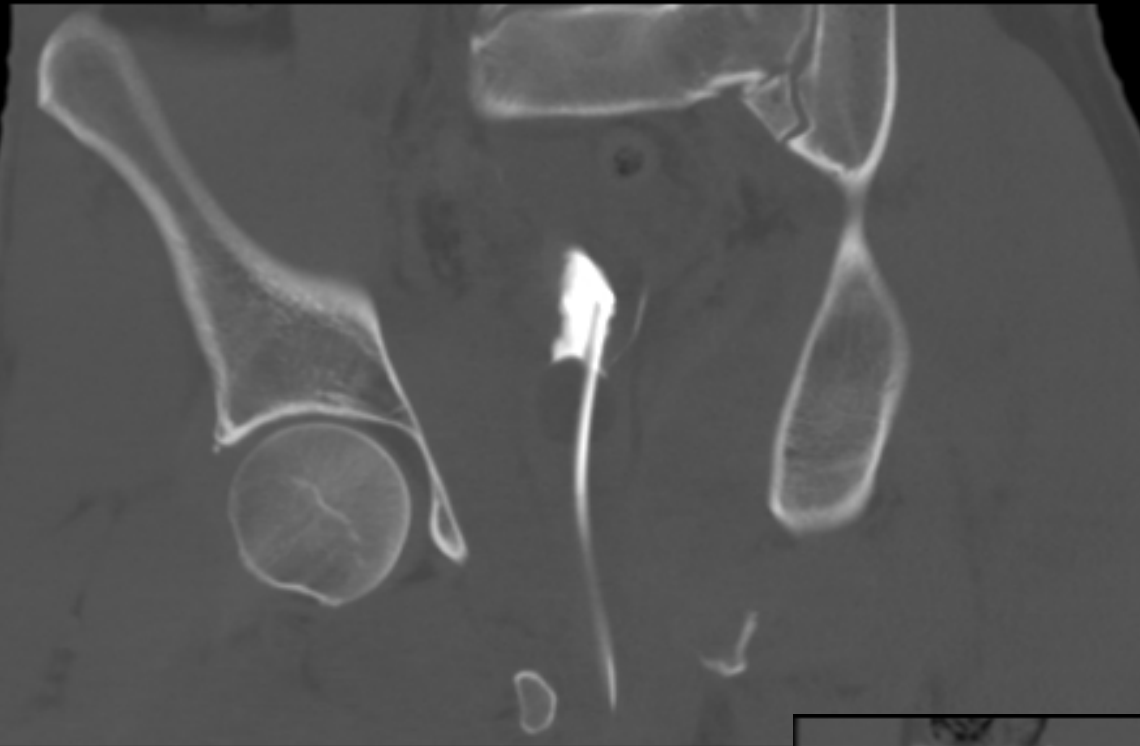


# Case # 2

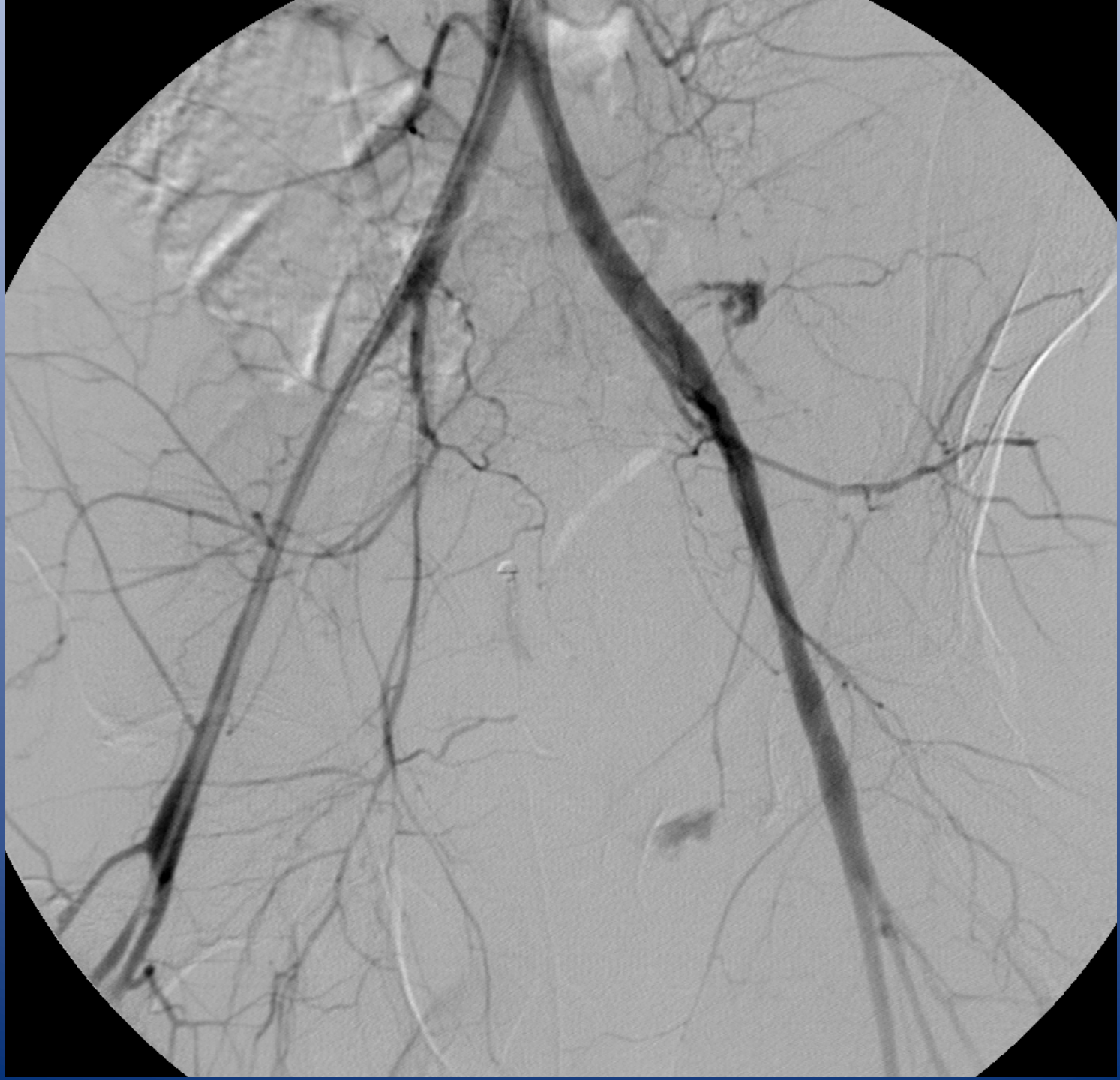
39 year old male

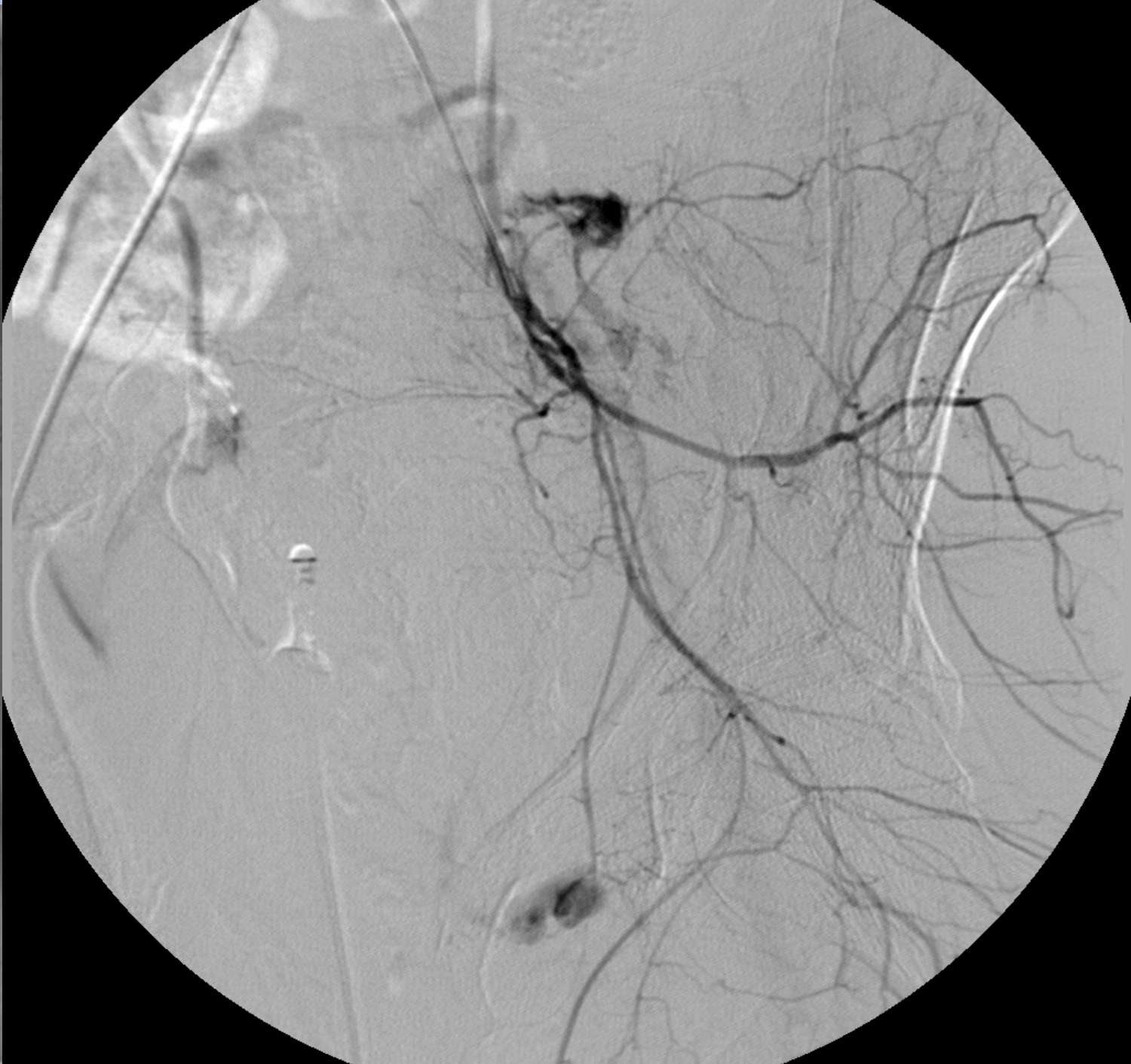
Car accident – high energy trauma



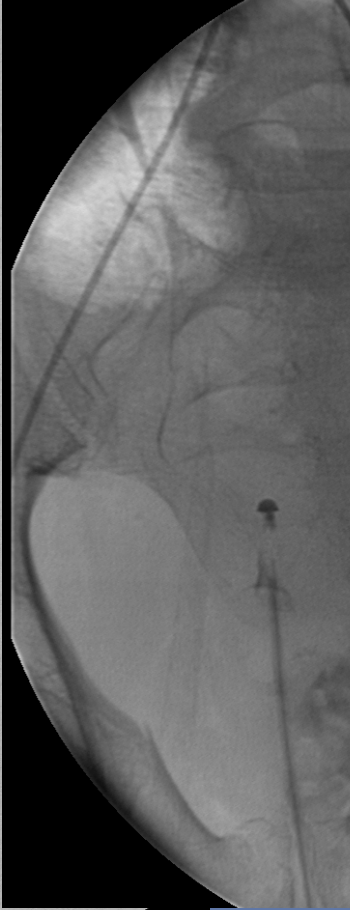






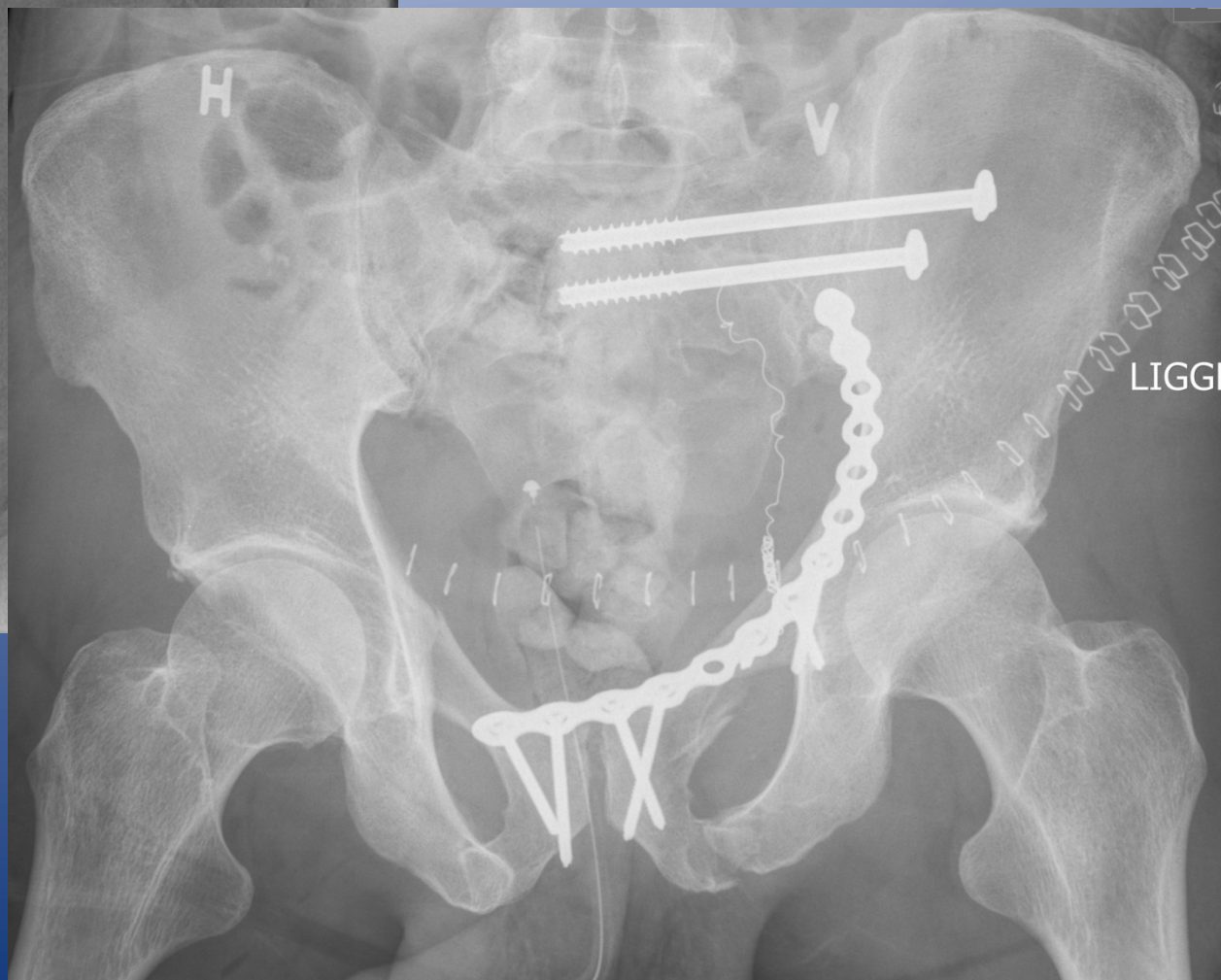












# Pelvic trauma bleeding

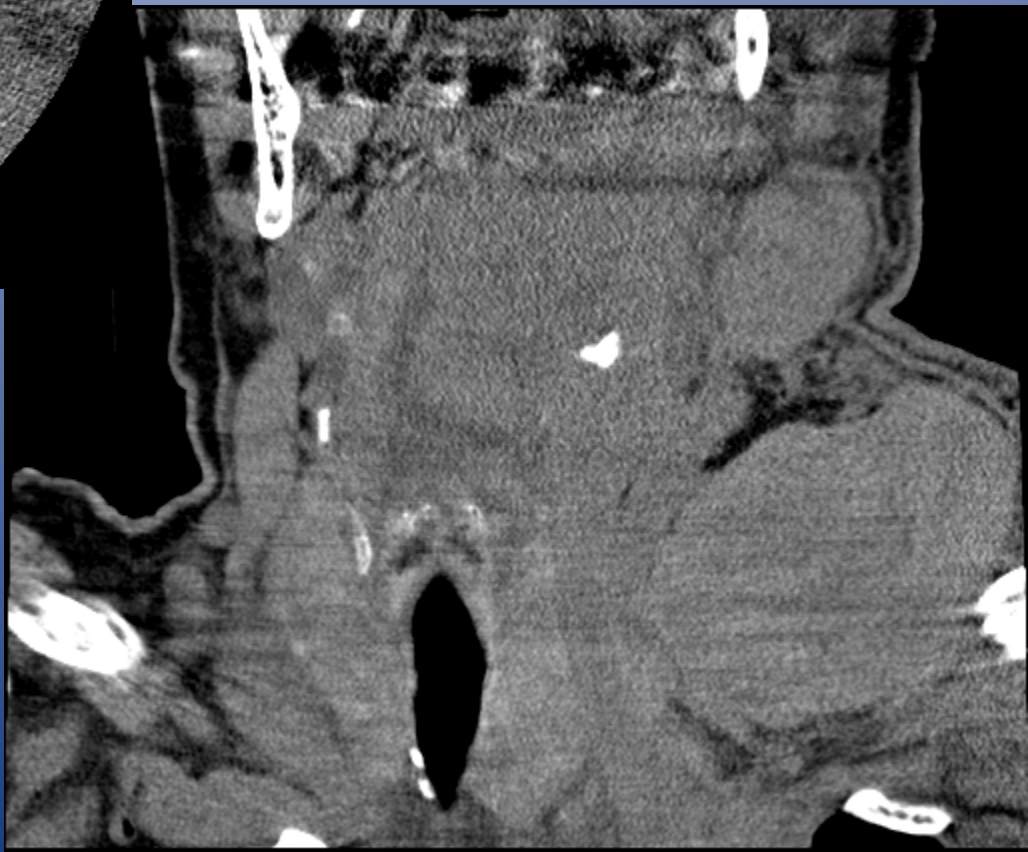
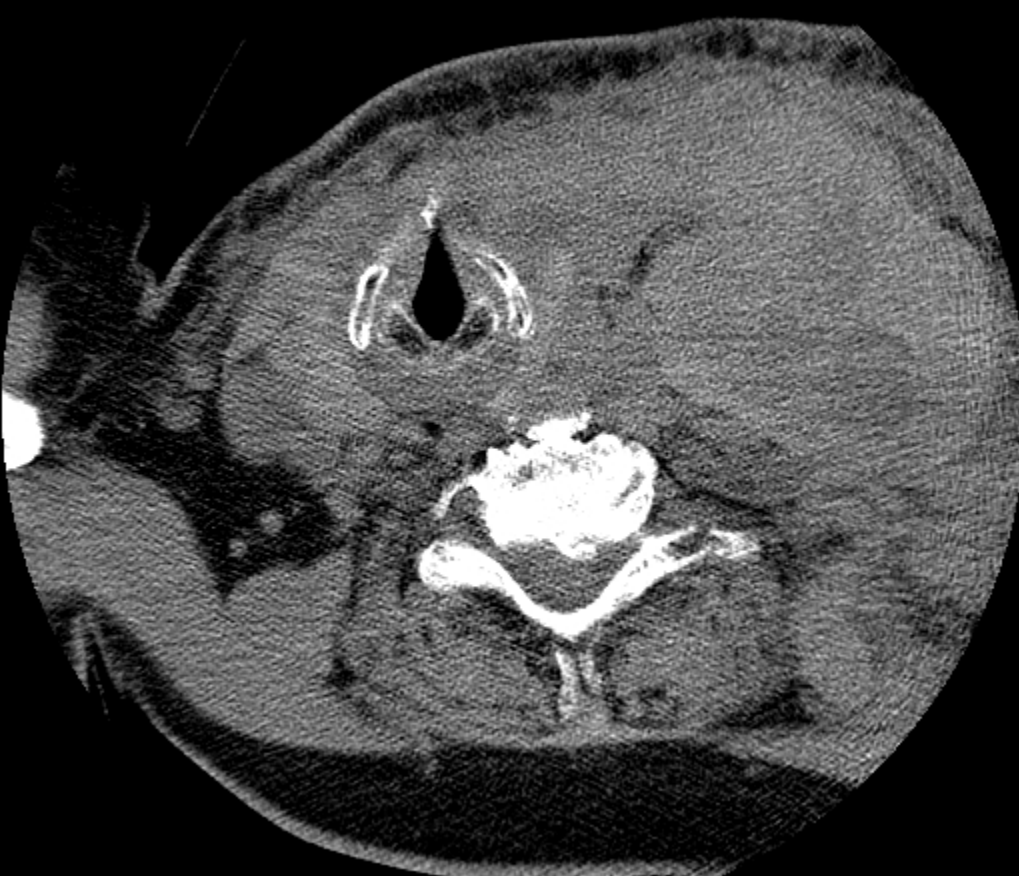
- Mortality reduced from about 50 % to 20 % after introduction of pelvic embolization as a treatment option



# Case # 3

- 78 year old man

Car accident. Multiple costal fractures, sternum fracture, proc. transv. cervical spine fractures, pneumothorax, lung contusion, Hb drop to 5.9 -- several portions of blood and volume.



13/08/14





# Which treatment ?

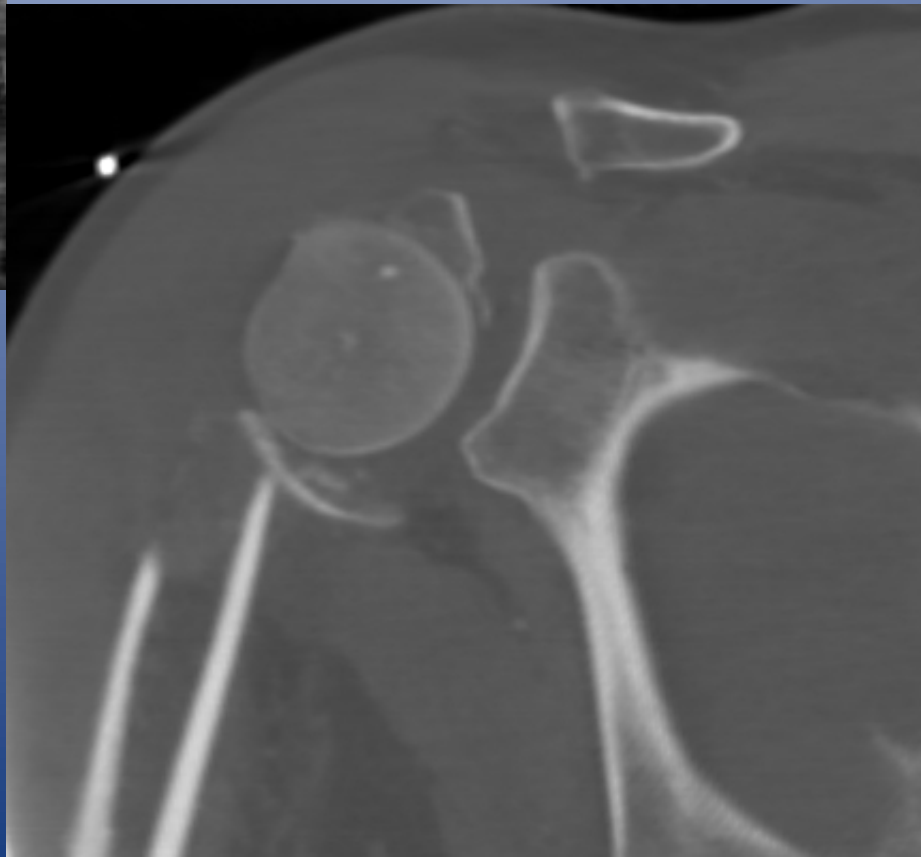
- 1. Conservative
- 2. Interventional
  - A. Embolisation – coils, microparticles, vascular plug, gelfoam, liquid embolics
  - B. Covered stent, bare stent
- 3. Vascular surgery

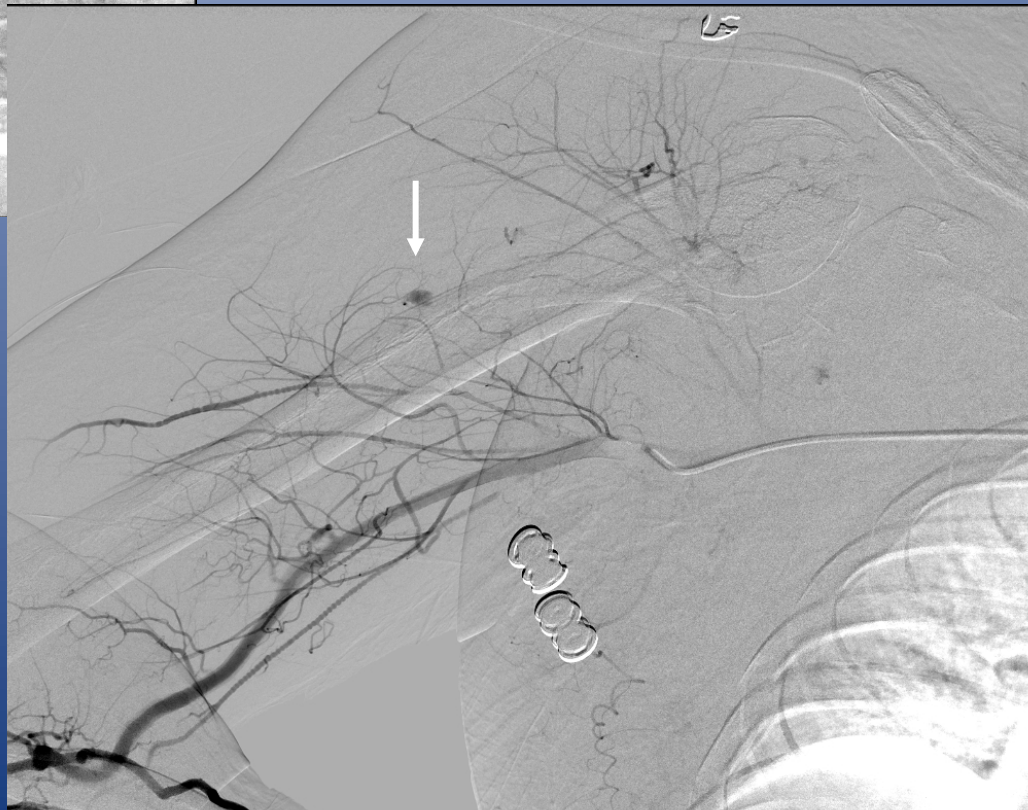


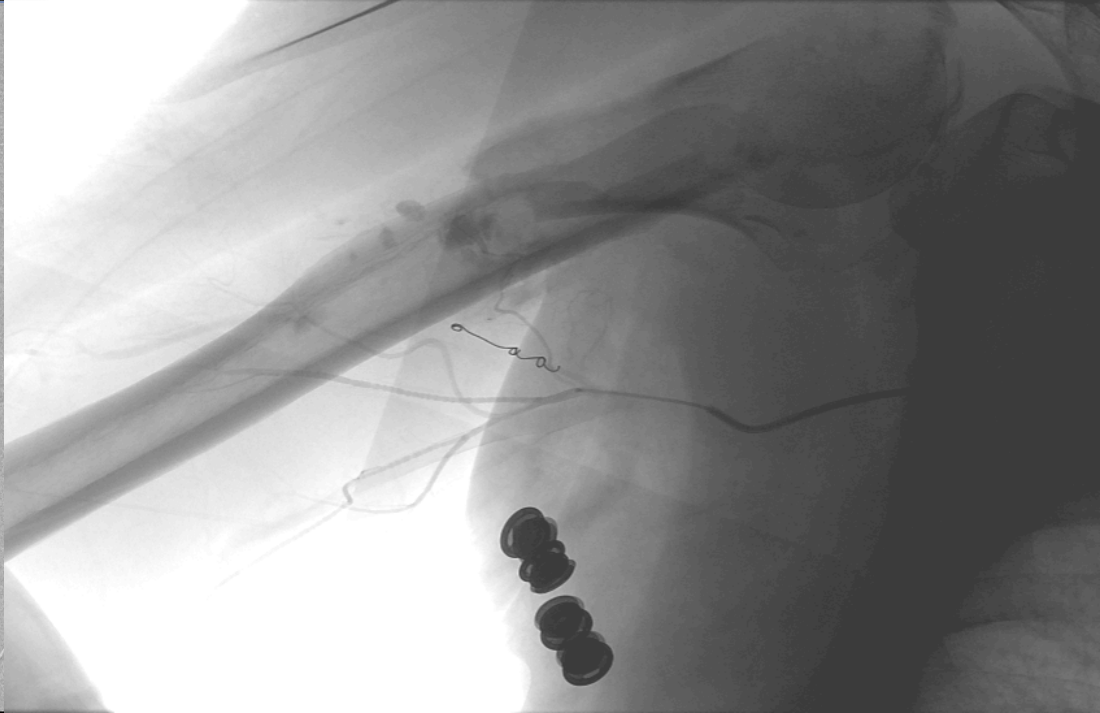
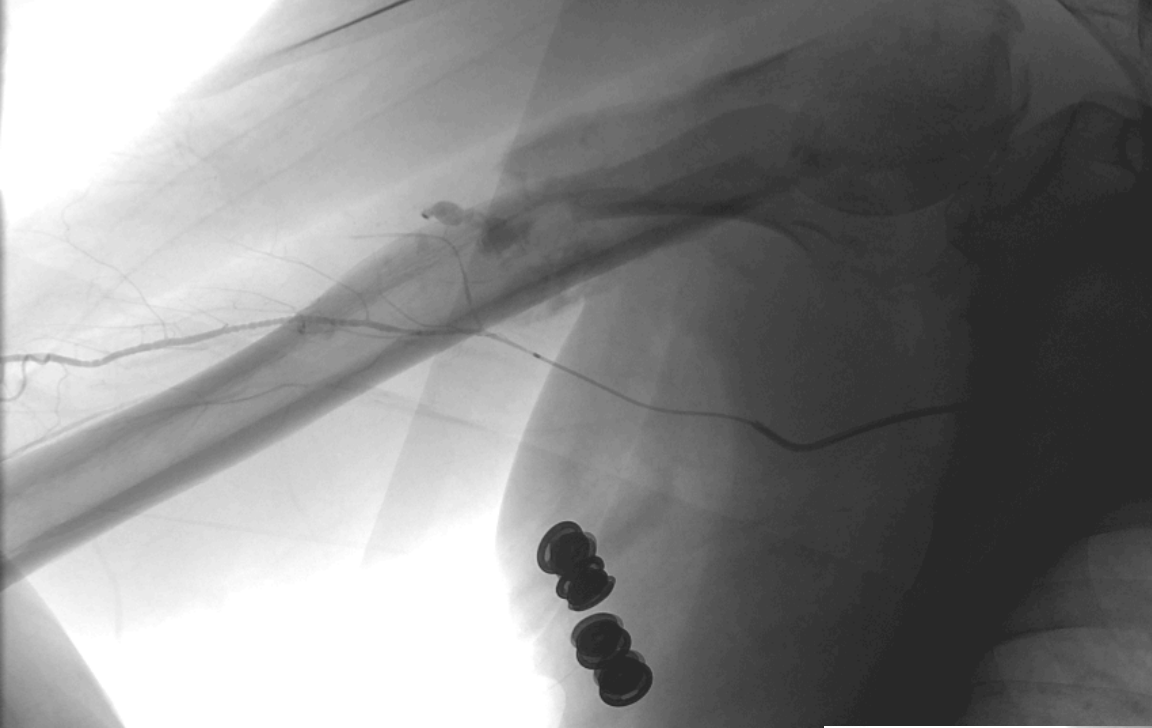
13/08/14

# Case # 4







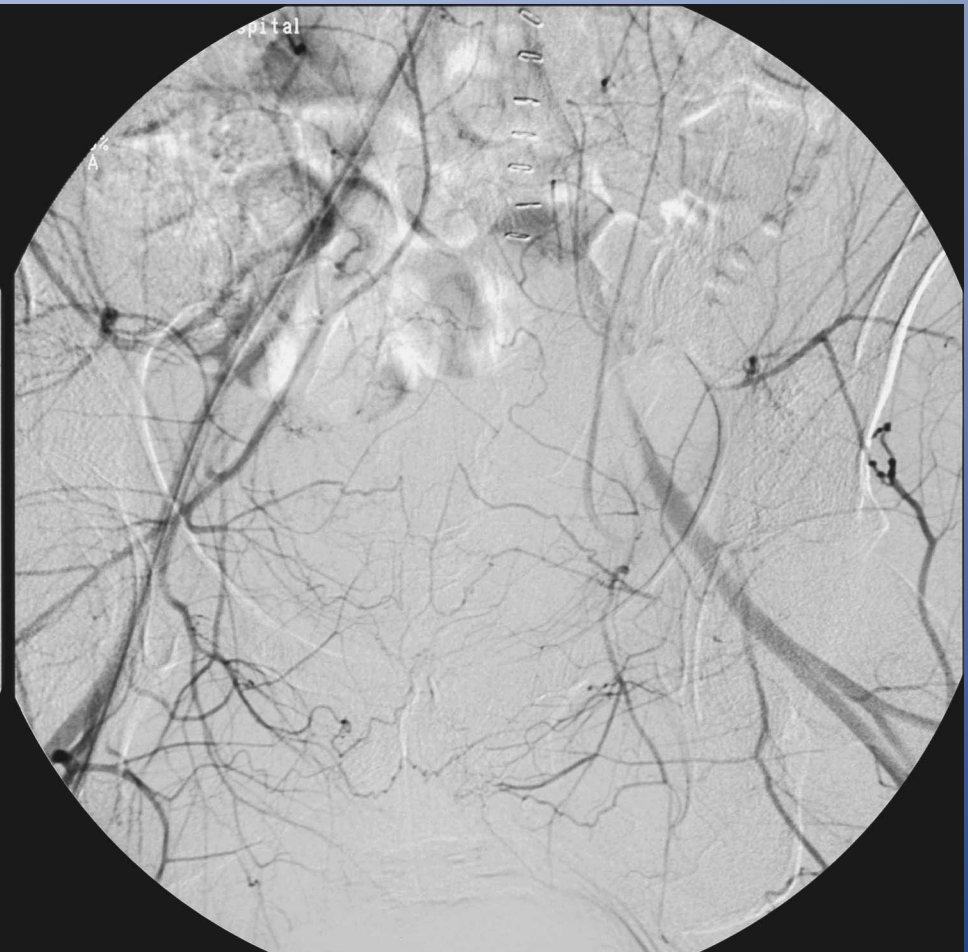
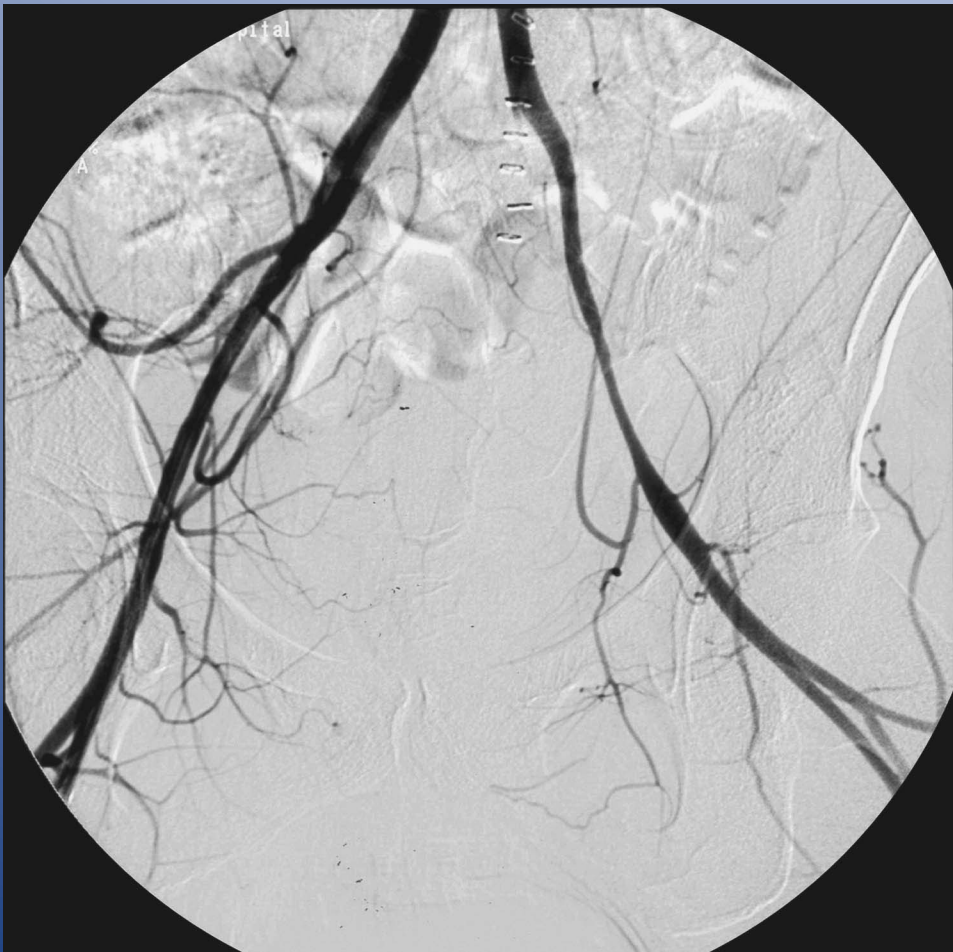


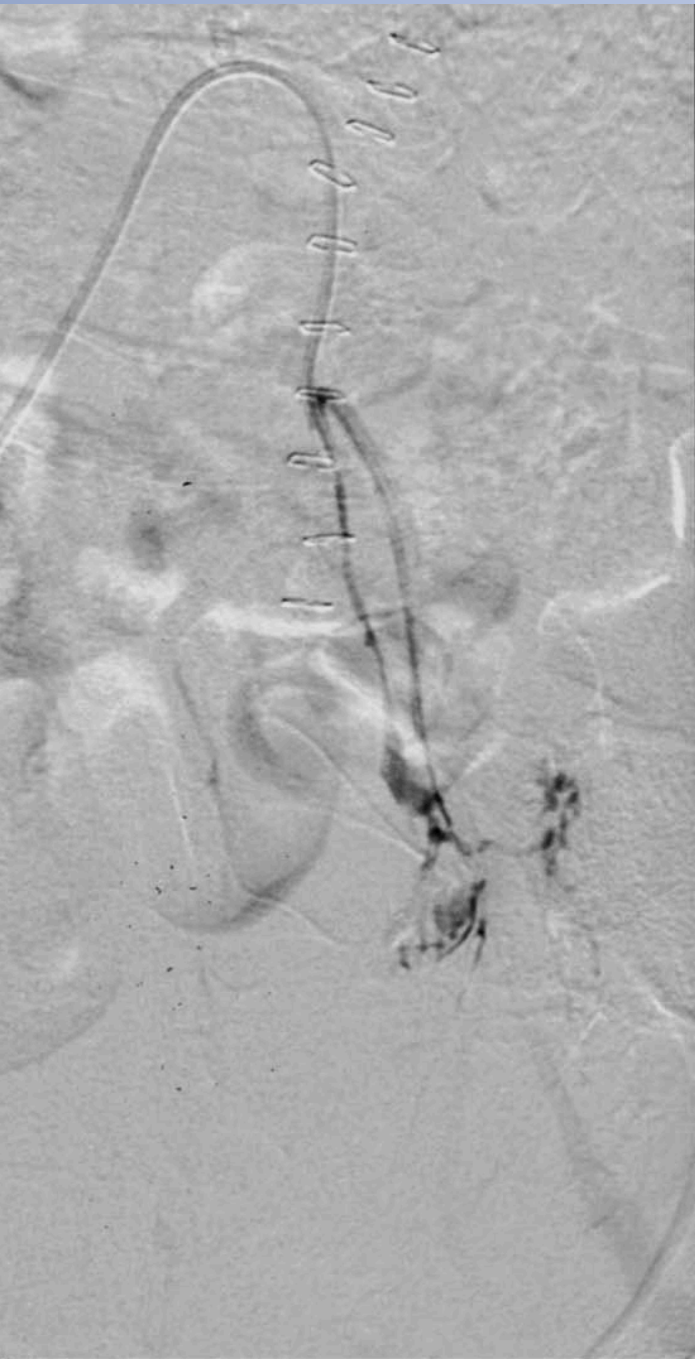


# Case # 5

27 year old female

Severe vaginal bleeding > 2000  
cc







# Case # 6

17 year old male. Motocross  
Handlebars into the stomach  
Hb drop 6.7 – 4.5. Two portions of  
blood, since then  
hemodynamically stable



Treatment??

Do not treat  
the pictures –  
treat the  
patient



Case # 7.

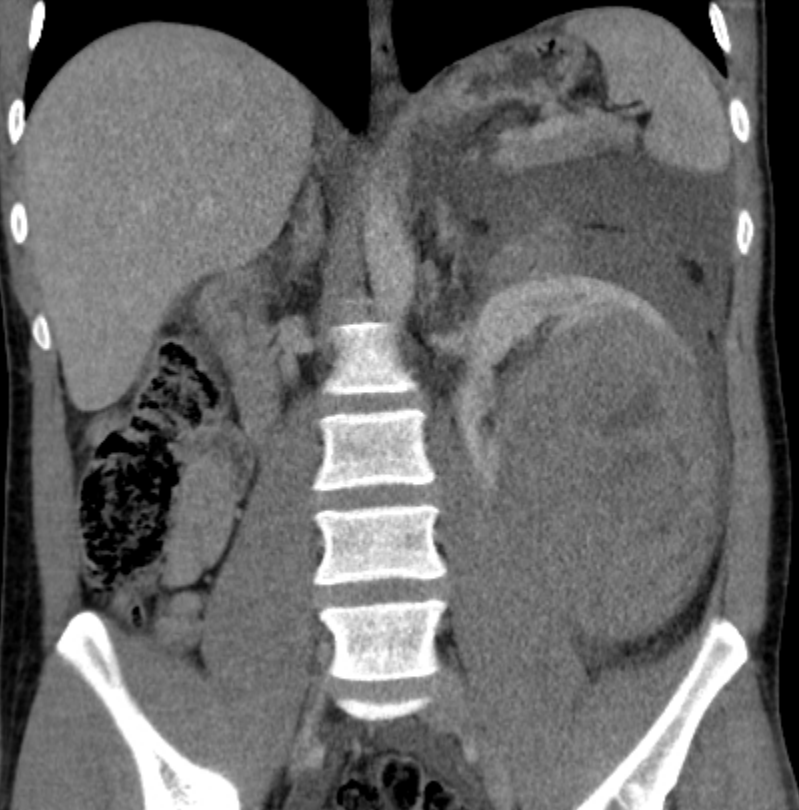
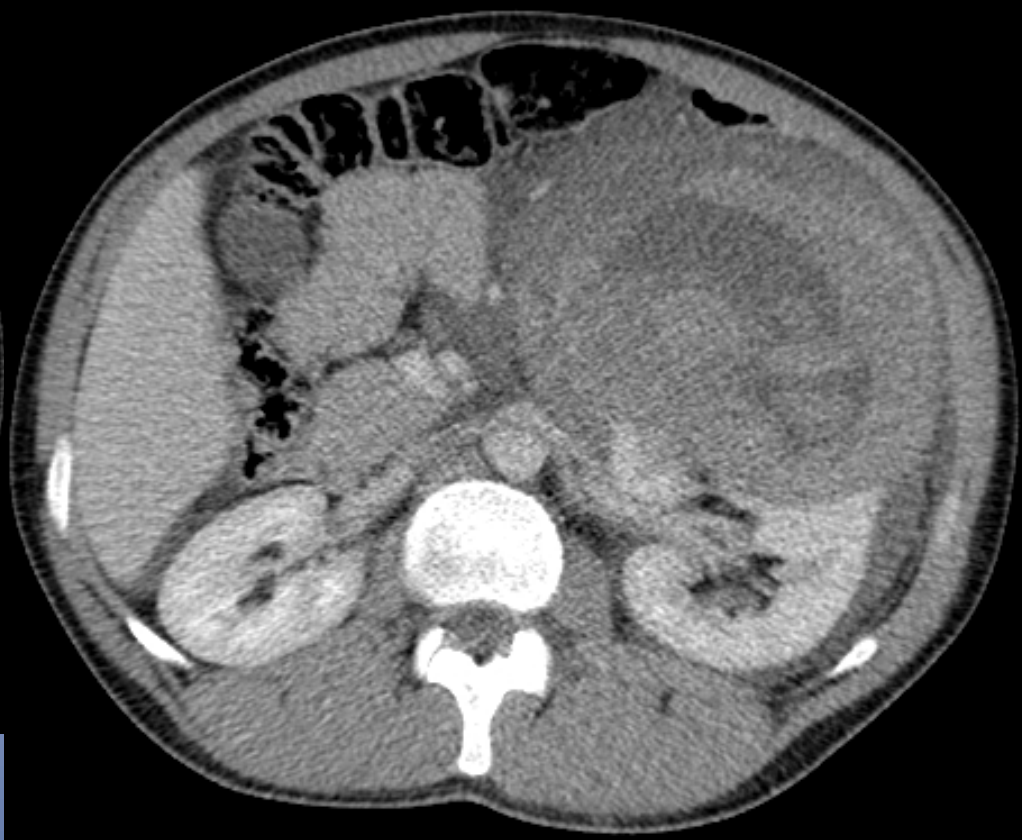
22 year old male  
fell  $\frac{1}{2}$  - 1 m, hit left lumbar region

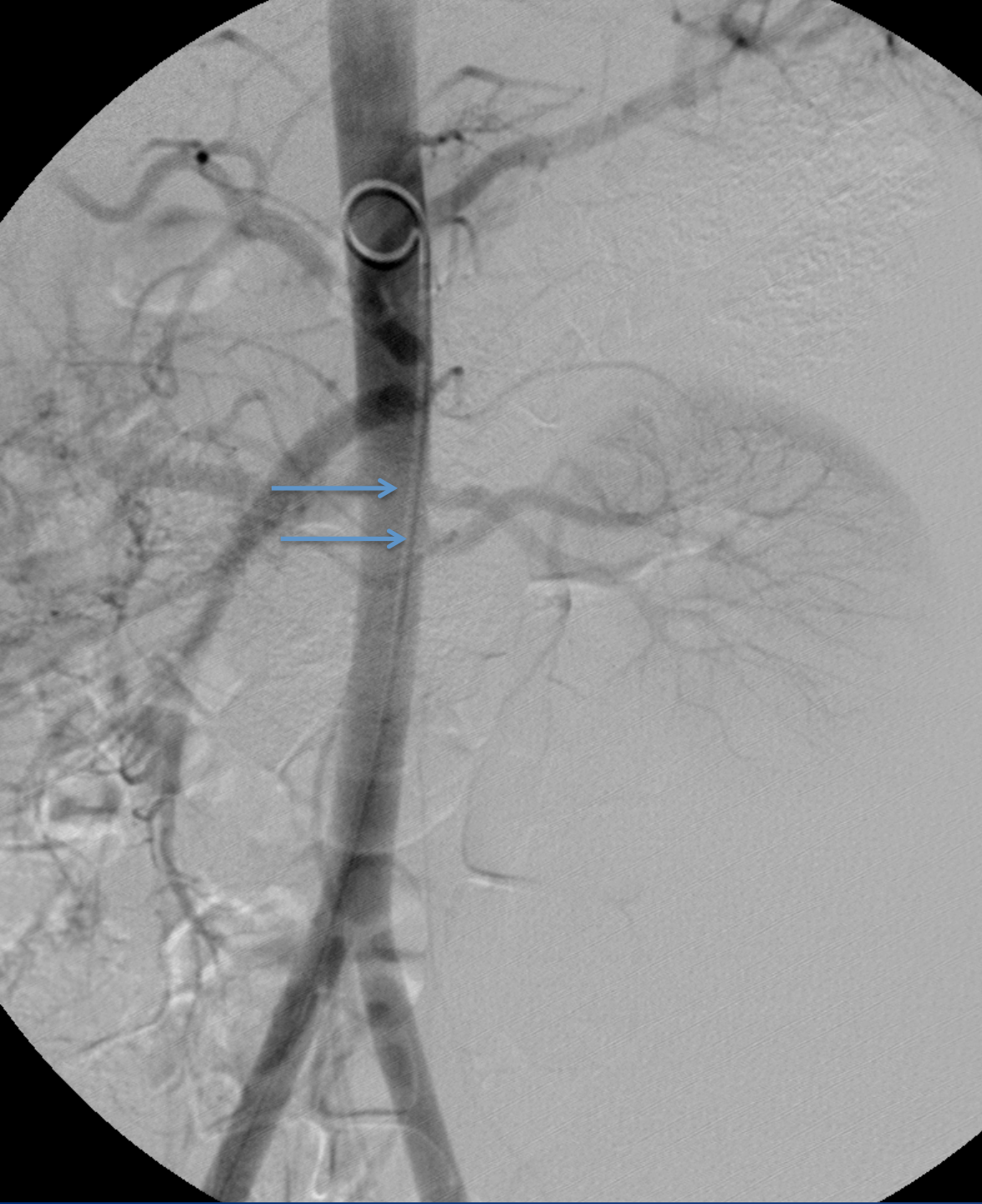
Macroscopic haematuria

Growing abdomen

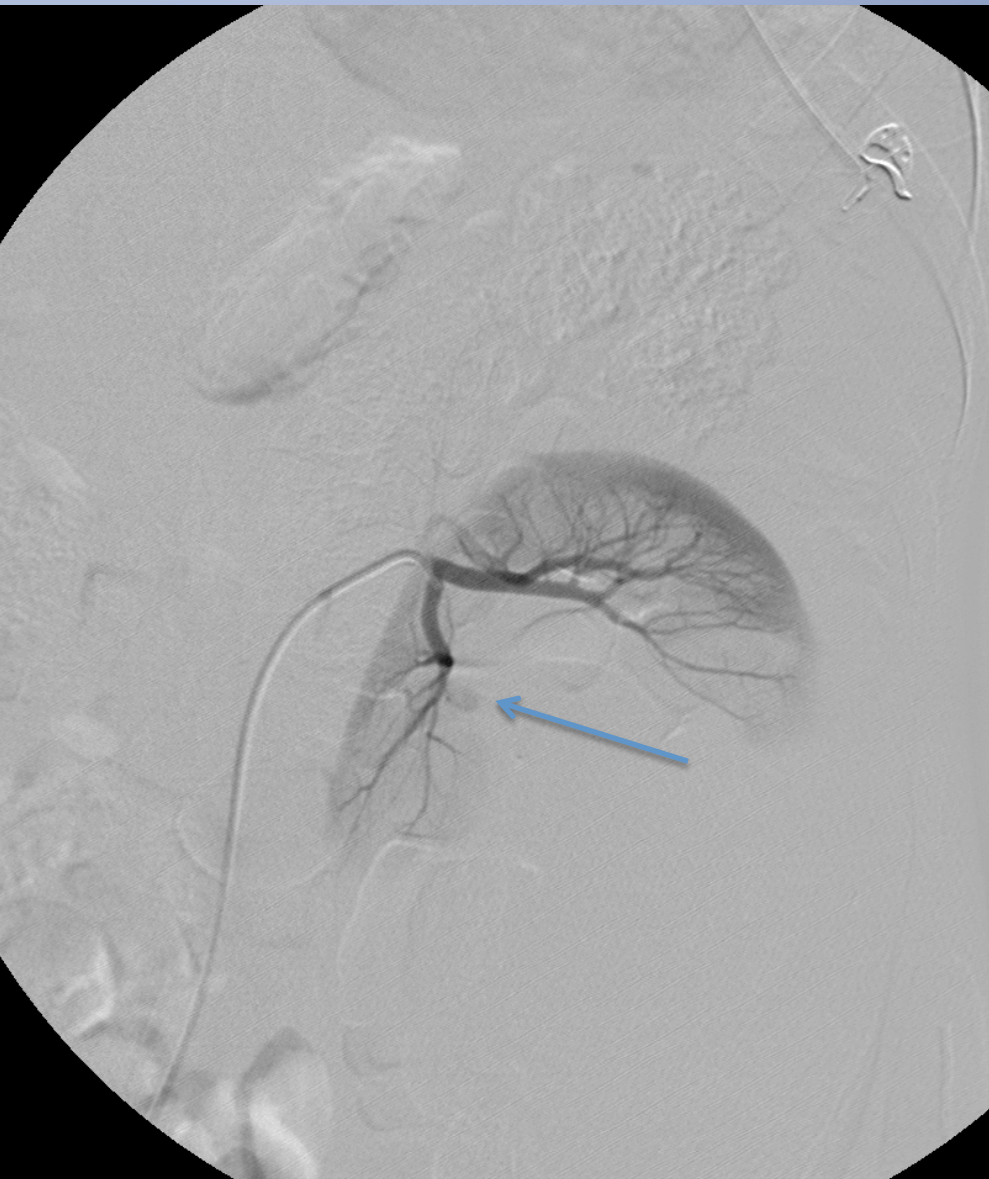
Painful



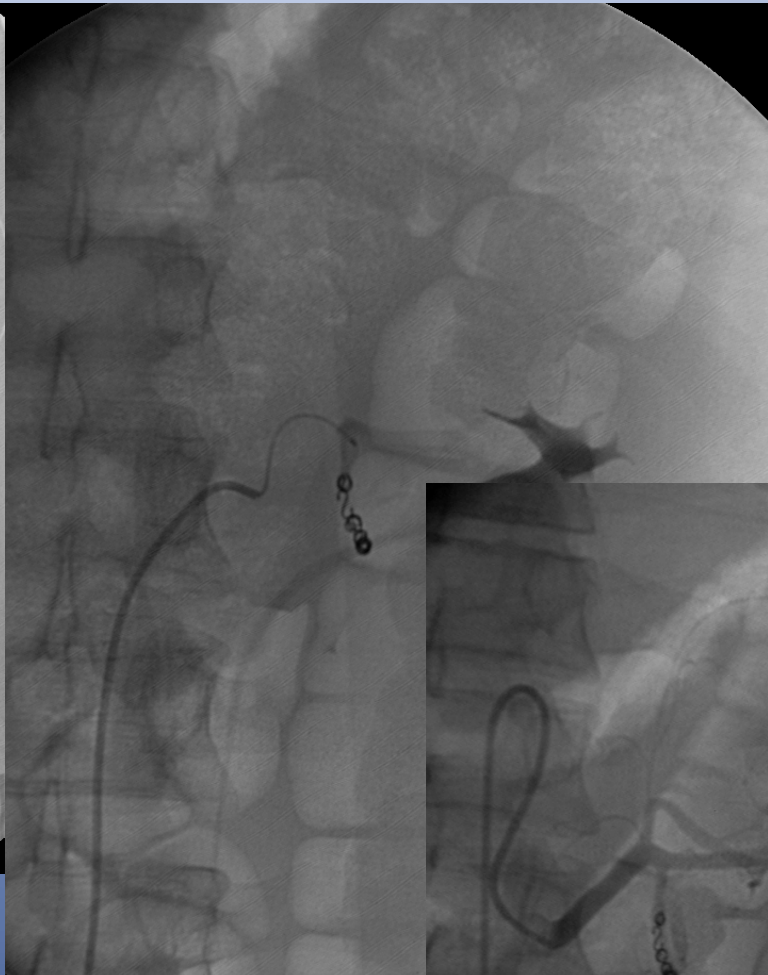


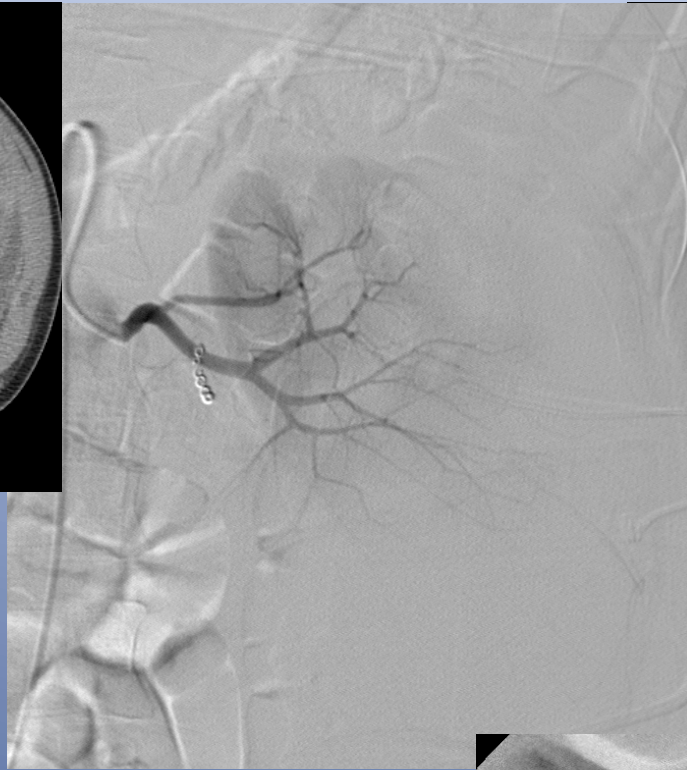
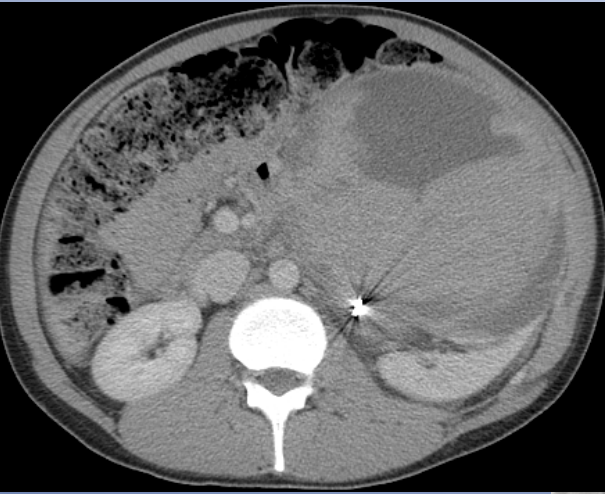












Re-bleeding 5 days later

Coils too small – flow  
around and through coils



# Case # 8

## 50 year old male

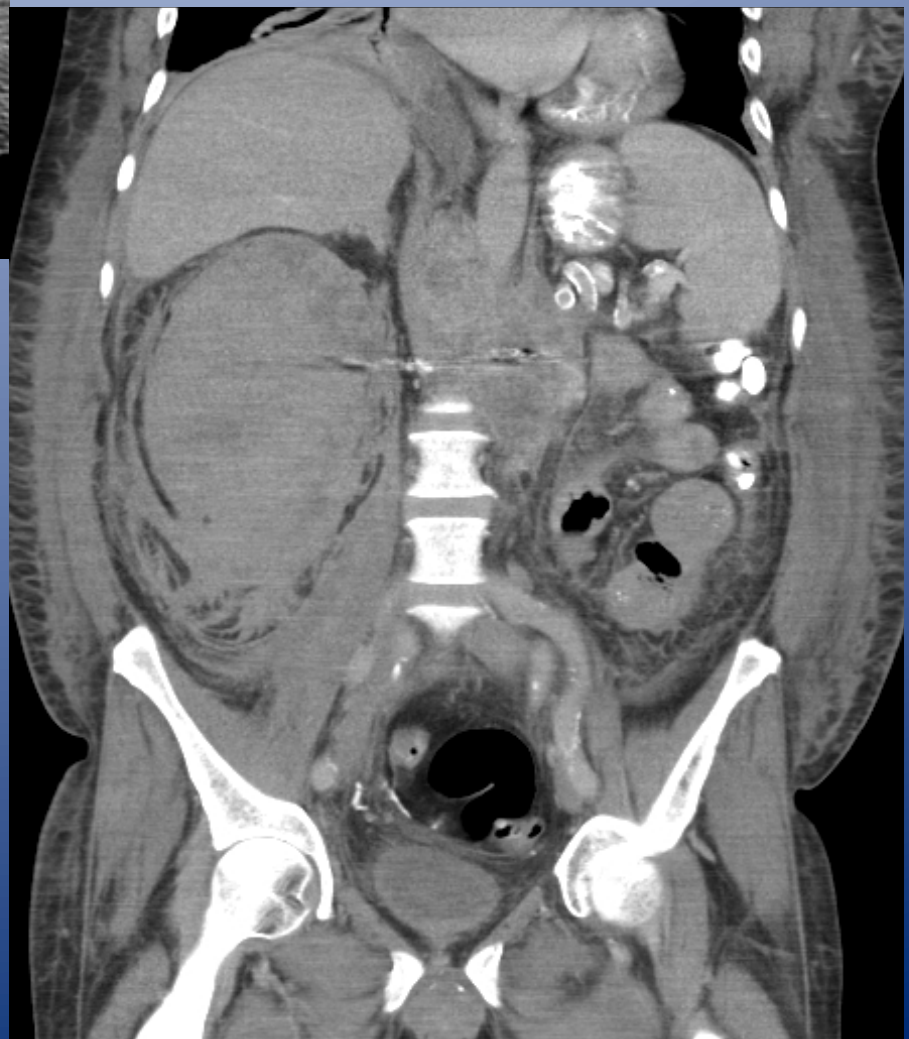
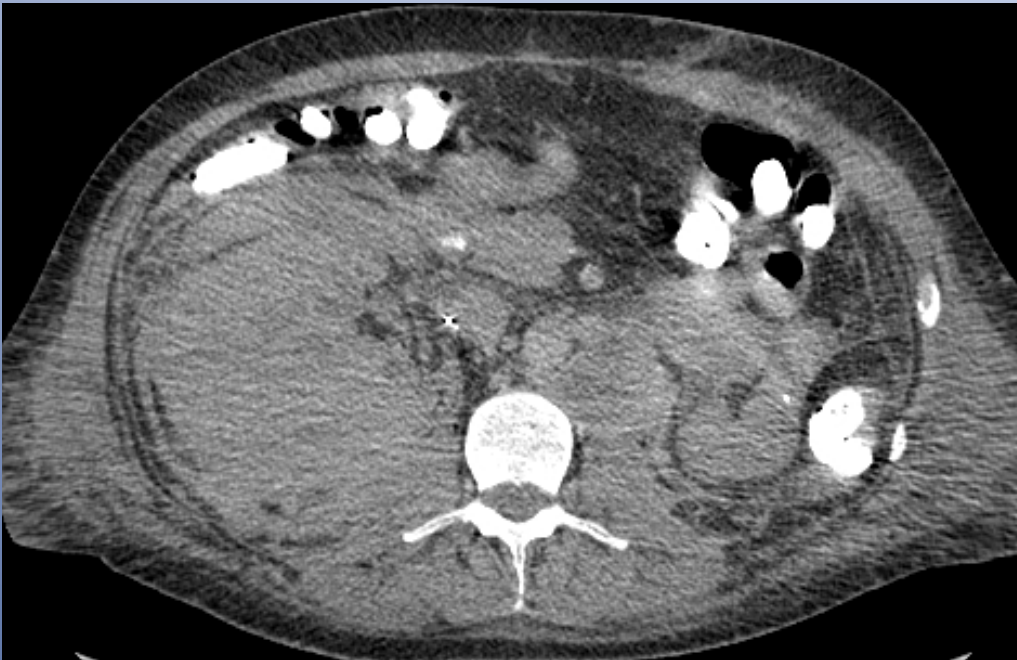
Left nephrectomy

AC treatment because of  
pulmonary emboli

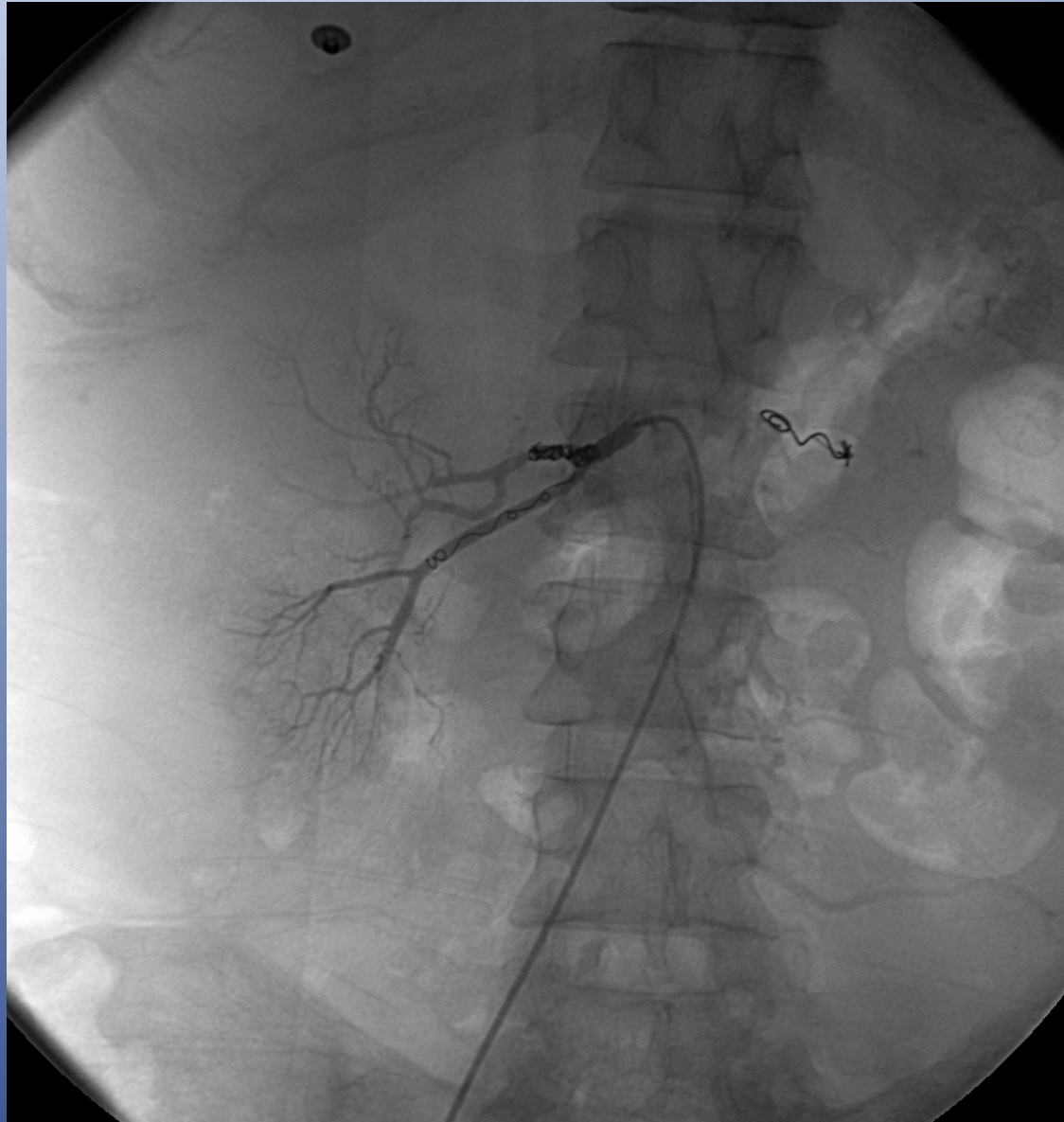
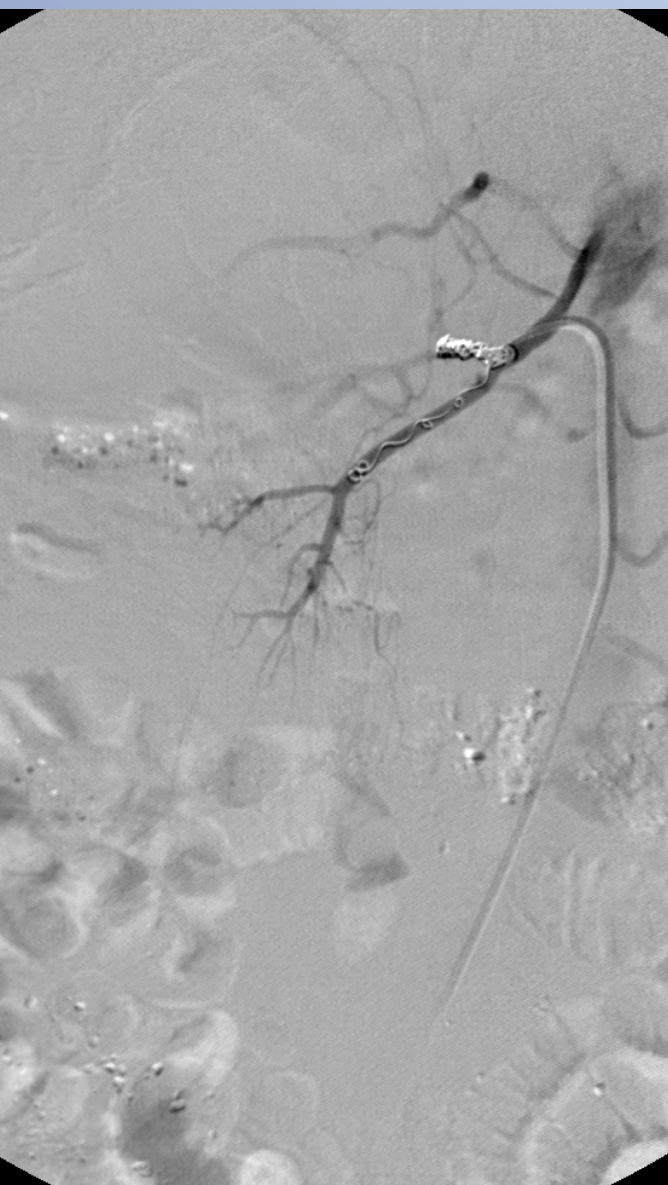
Bleeding from right kidney

On dialysis

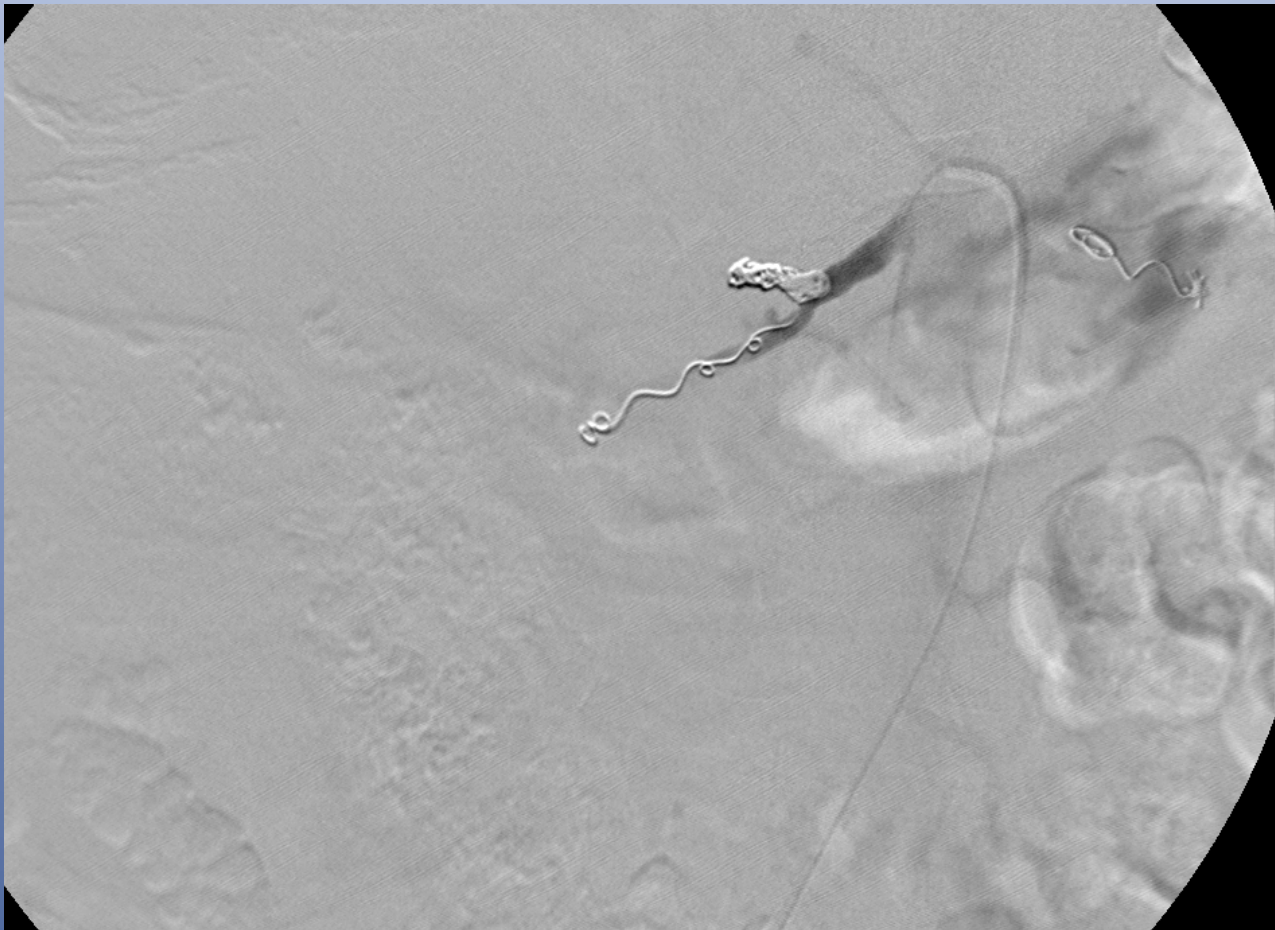








Coils too big, not coiling, no packing  
No cross sectional occlusion  
Coils need thrombosis to cause occlusion



After microparticles, temporary effect

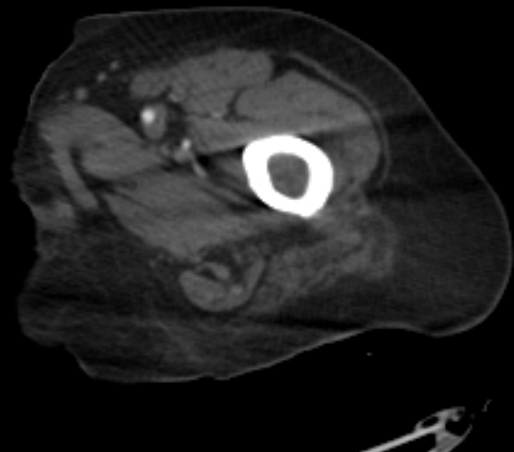
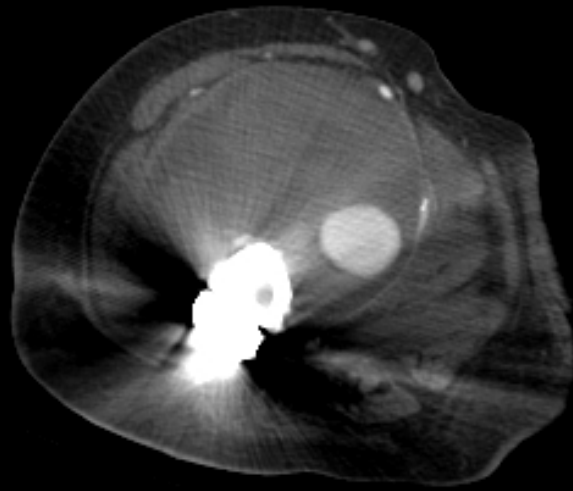
### **Suggestions**

Stop AC?

Liquid materials?

Plug, hydrocoils?

# Case # 9







# Case # 10



