

Angioplasty

Peripheral vascular disease

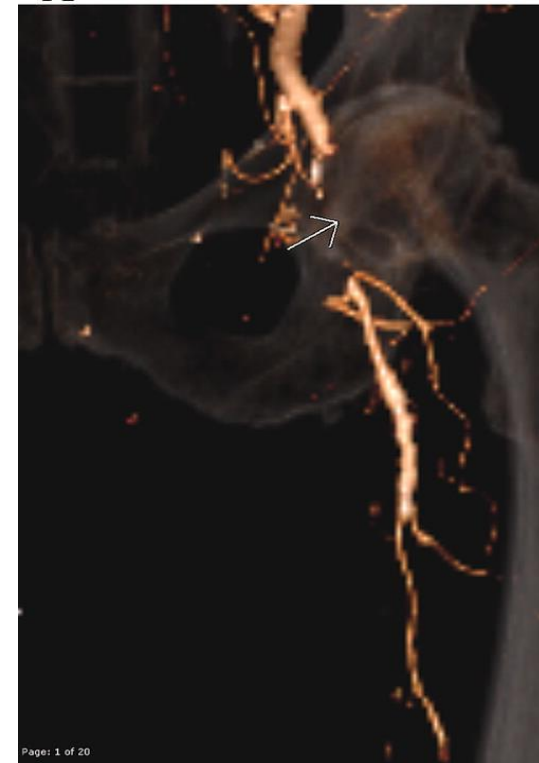
- Aortic, Iliac, Femoral, Popliteal, Tibials.
- Subclavian, Brachiocephalic.

Mesenteric arteries

- Coeliac, SMA, IMA for Mesenteric angina

Renal Angioplasty

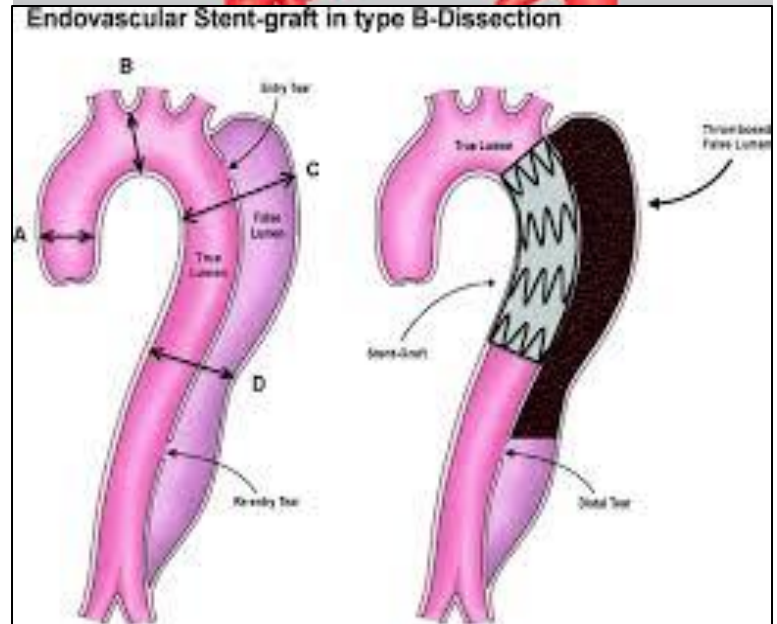
Vertebral Angioplasty



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Aortic Aneurysms & Dissection

- 15,000 deaths/ year in US
- Affects 2.7 million in US
- Approx. 50% of these cases undiagnosed
- Aortic stent graft is now the Rx of choice if amenable





Hemorrhage

TRANSCATHETER EMBOLIZATION

Embolization is a way of occluding blood vessels that are doing more harm than good.

Various materials may be used, depending on whether vessel occlusion is to be temporary or permanent, or whether large or small vessels are being treated.



coils



glue



PVA

WOCKHARDT
HOSPITALS

LIFE WINS

Hemorrhage

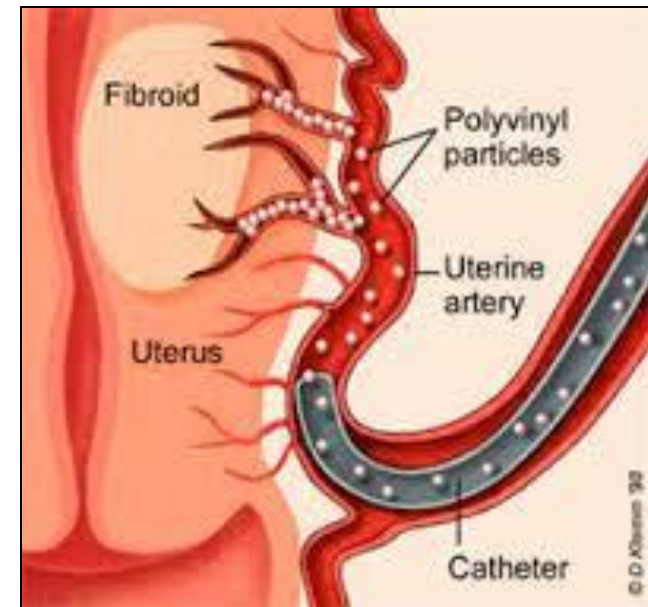
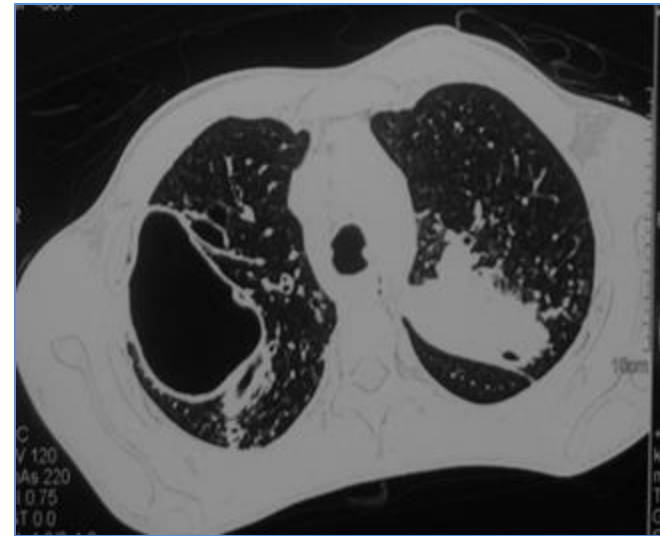
Hemoptysis - Bronchial artery embolization (BAE).

Upper & Lower GI bleed. – GI Embolization

Variceal Bleed: not responding to Endoscopic Rx.

Uterine Embolization

- Post partum, Fibroid, AVMs



Post traumatic hemorrhage

Solid organ injury (Liver, Kidney, Spleen)
with

- Active leak,
- Pseudo aneurysm,
- AVF.

Pelvic traumatic bleed
iatrogenic

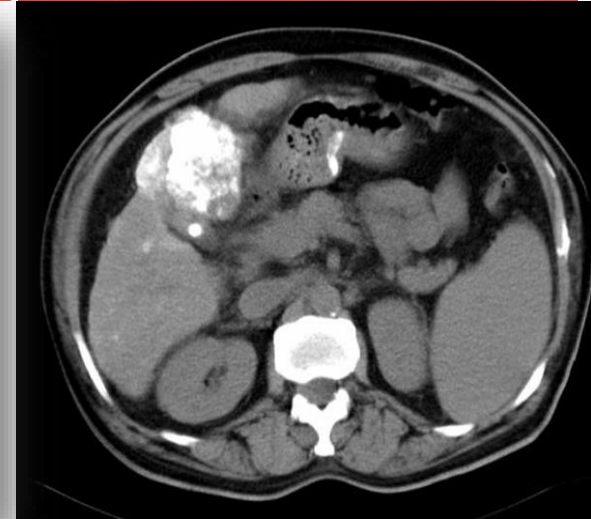
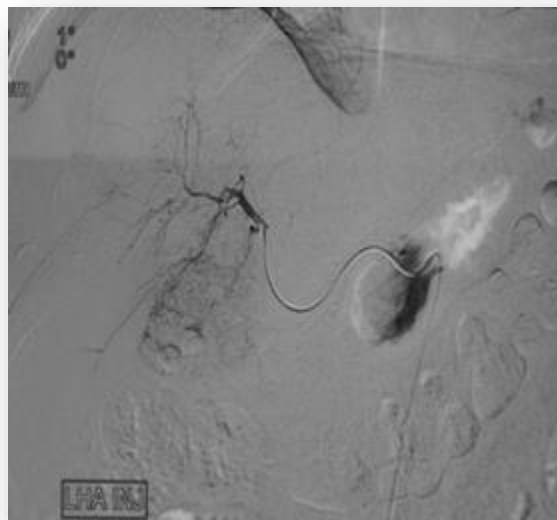
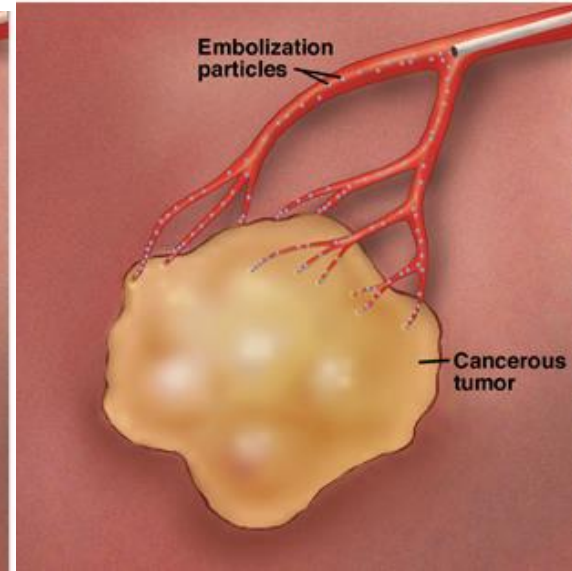
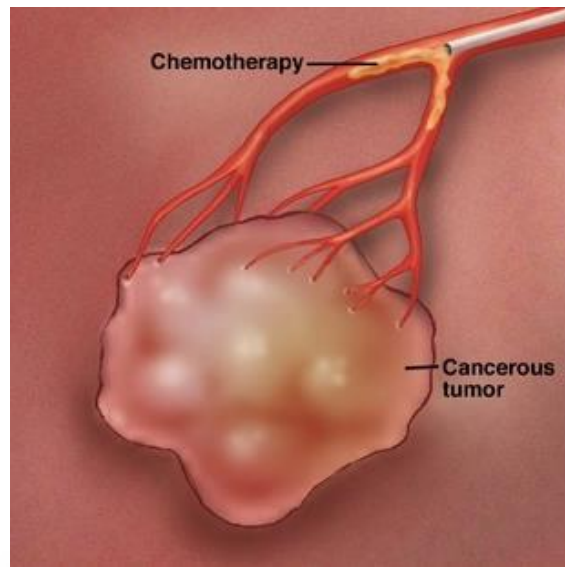
- Surgical:
- Post Biopsy/ FNAC



Trans arterial chemoembolization (TACE) for Hepato-cellular carcinoma (liver tumour)

Indication:

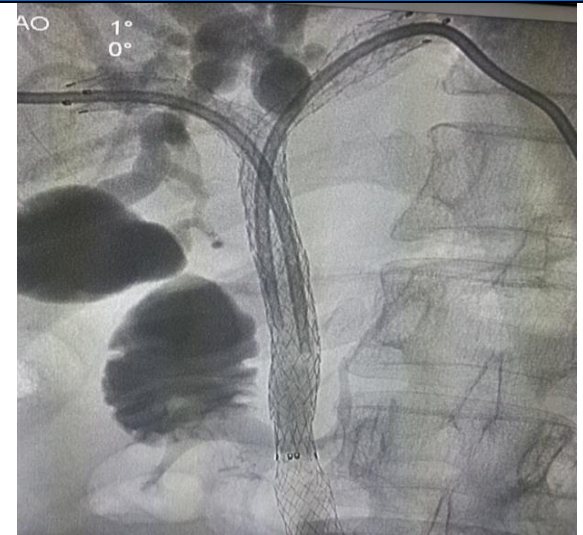
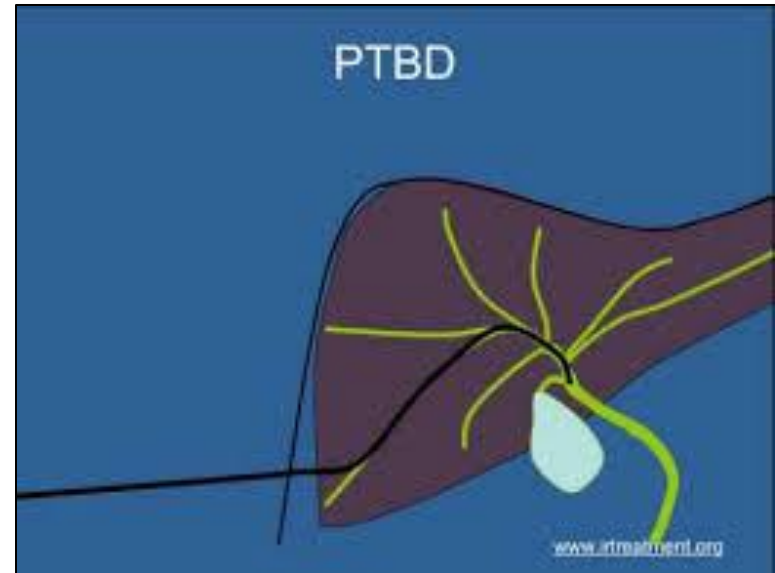
- Unresectable tumors
- Tumors > 5 cm
- Multifocal HCC
- Bridge to transplantation



Percutaneous transhepatic biliary drainage (PTBD) and stenting

Indication:

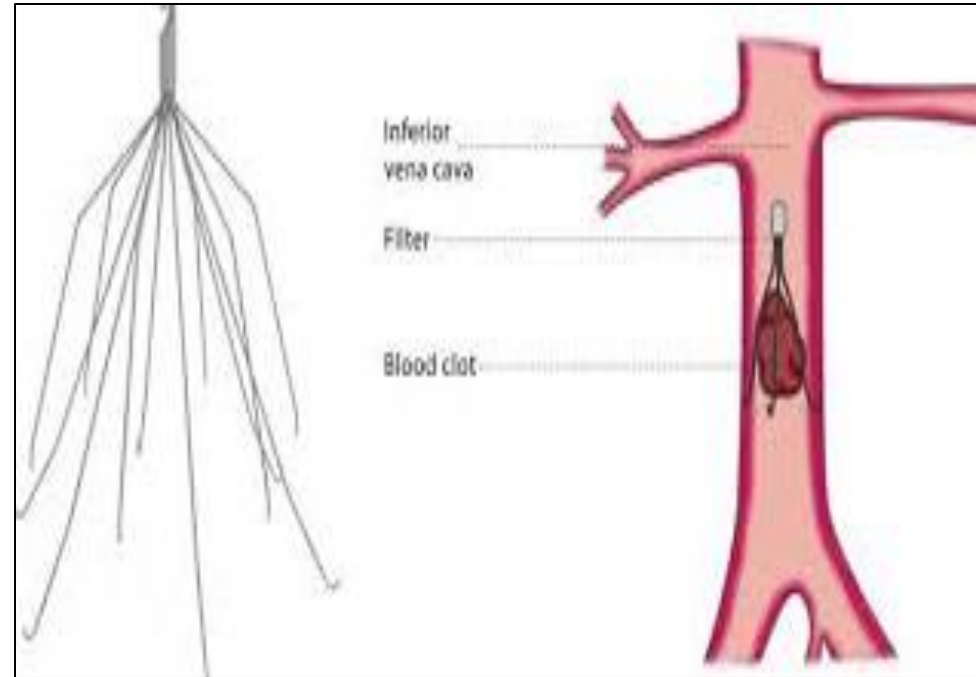
- Cholangitis
- Hilar cholangiocarcinoma
- Ca head of pancreas
- Post operative CBD injury.



IVC Filter

Indication:

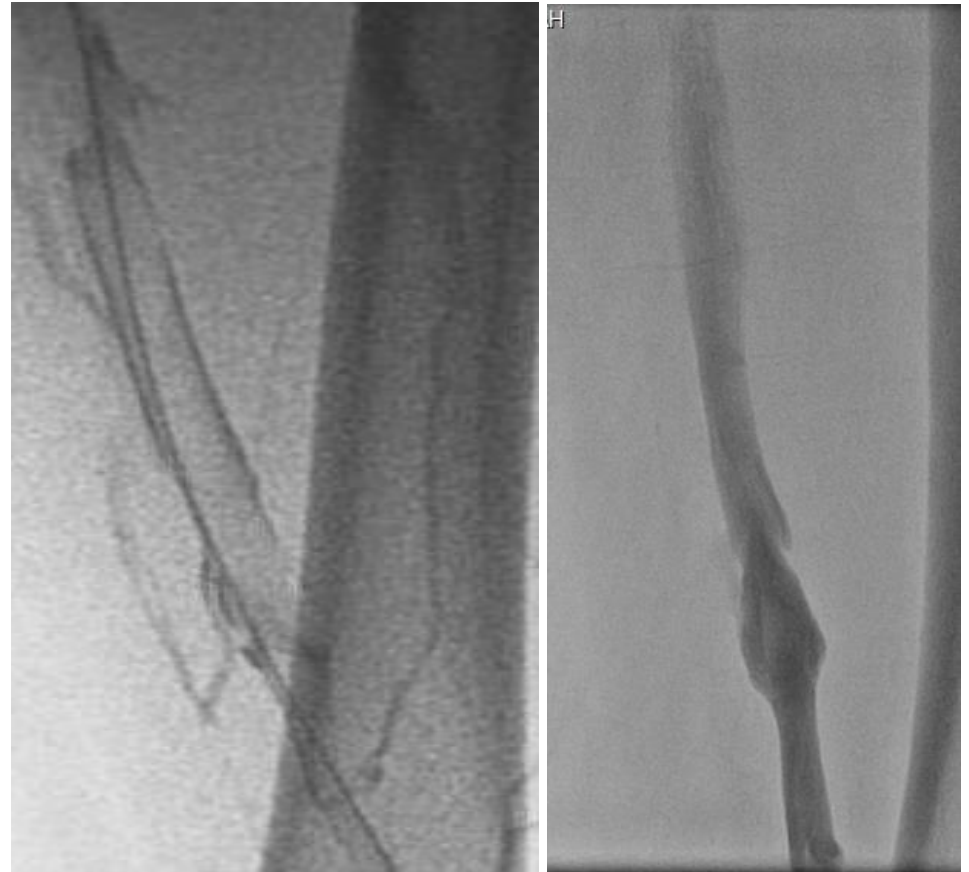
- **Contraindication for anticoagulation (Polytrauma/ Neurosurgery)**
- **Complication of anticoagulation (e.g. hemorrhage)**
- **Free-floating proximal DVT/iliocaval DVT**
- **Massive PE.**



DVT- Catheter directed thrombolysis

Indication:

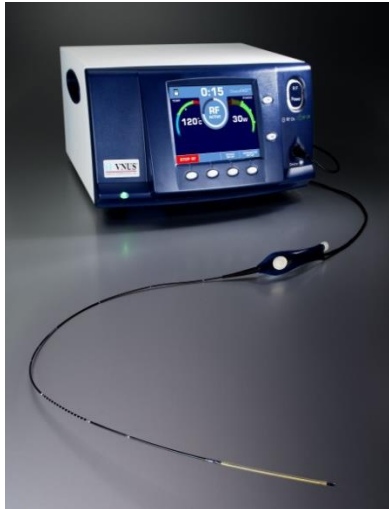
- Limb-threatening circulatory compromise.
- Rapid thrombus extension/ worsening limb despite anticoagulation.
- 1st line Rx to prevent Post phlebitic syndrome in patient with low bleeding risk.



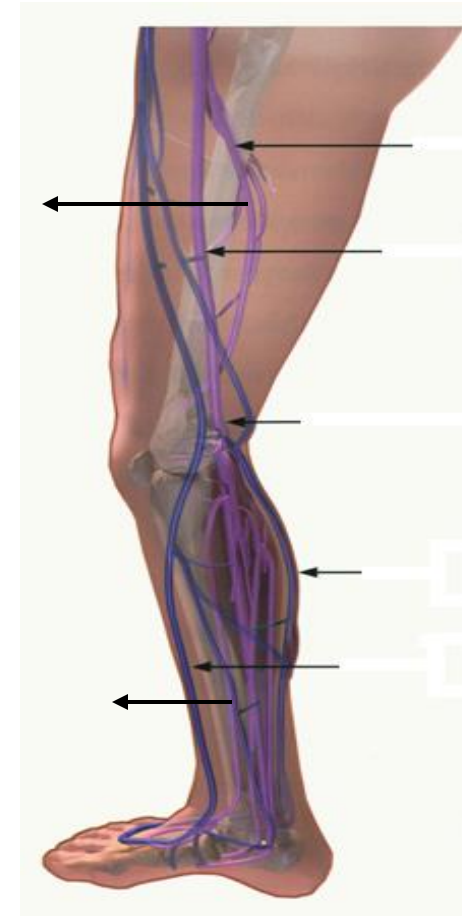
Blocked veins

Recanalized

Endovenous ablation for varicose veins



- Minimally invasive treatment
- Using a catheter-based approach, it delivers radiofrequency (RF) energy to the vein wall
- RF energy creates conductive *heating* that contracts the vein wall collagen, thereby occluding the vein





Interventional Radiology

- **Minimal access**
- **Local anaesthesia/sedation**
- **Quicker recovery**
- **Less invasive alternative**



Thank you