

Treating Haemorrhoids via Pelvic Vein Embolization

Dr. D. Beckett

Consultant IR

Prof. M Whiteley

Prof. Vascular Surg.

Mr. G Buchanan

Consultant Colorectal Surg.



hem**b**olize™

Spectrum Of Pelvic Venous Disease

- Pelvic Congestion Syndrome
- Pelvic Reflux
- Haemorrhoidal Disease

Pelvic Congestion Syndrome

Pain

Irritable bowel symptoms

Irritable bladder

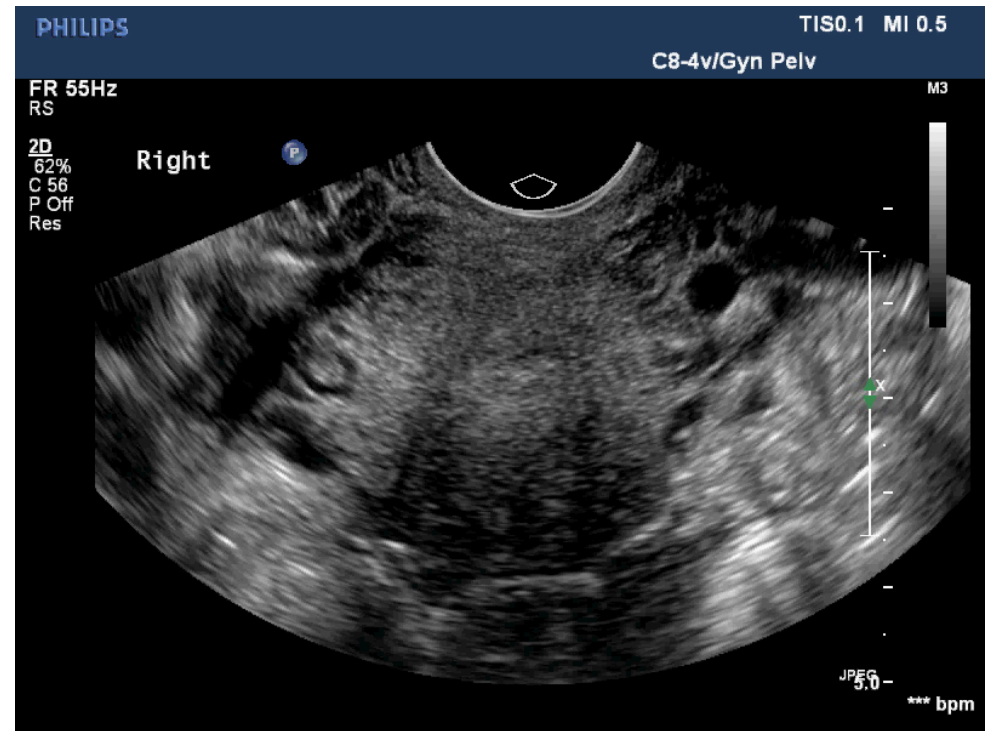
Dyspareunia

Irritation/throbbing in labia

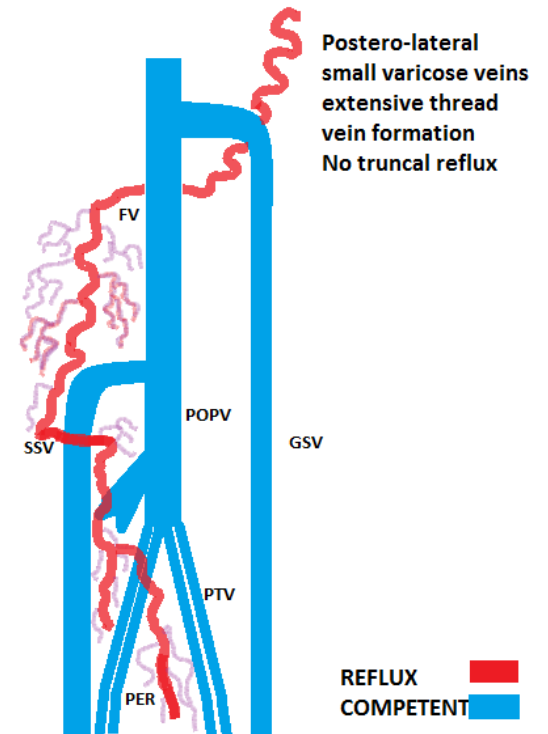
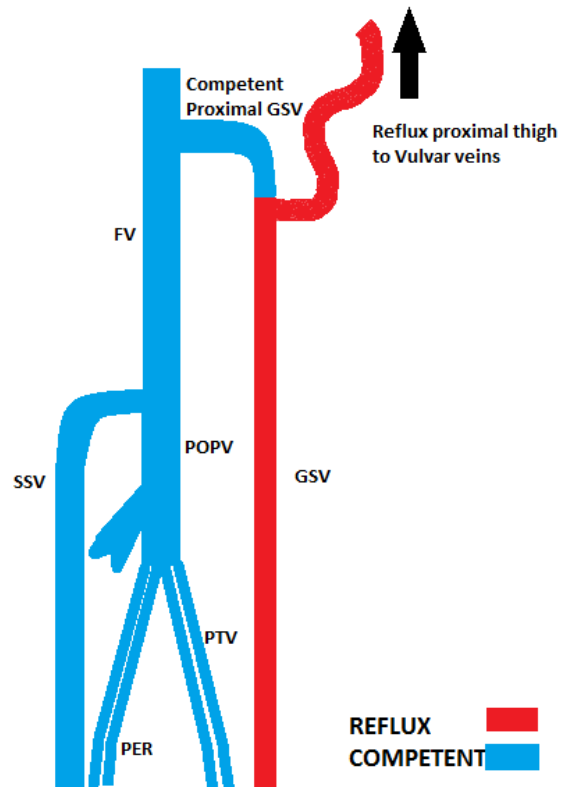
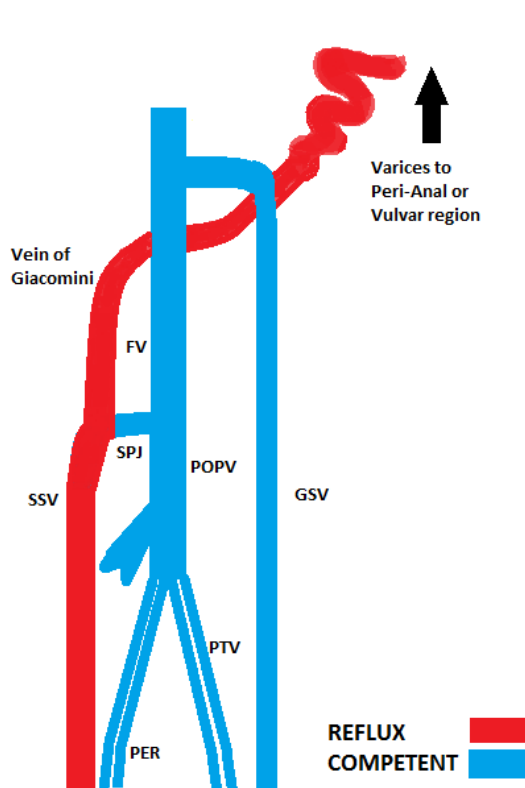
HAEMORRHOIDS

Cyclical symptoms

Unexplained 'Gynae pain'

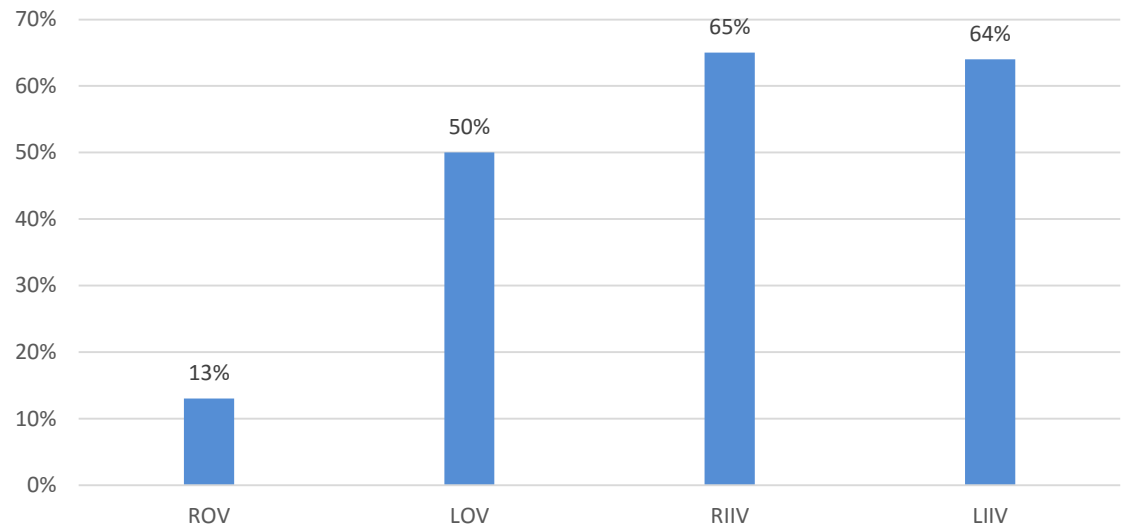


Pelvic Reflux

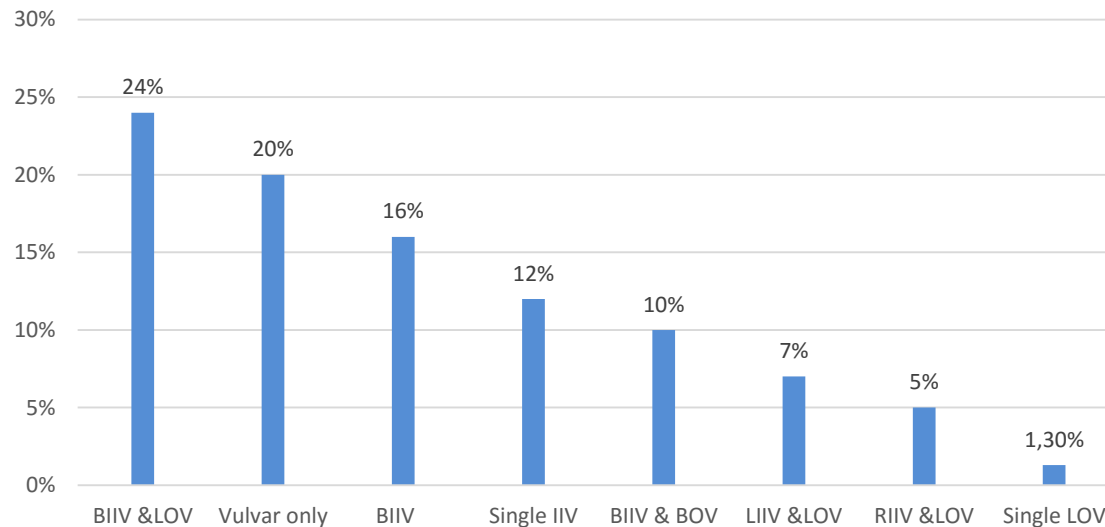




Reflux in pelvic veins
2011 statistics- 153 patients

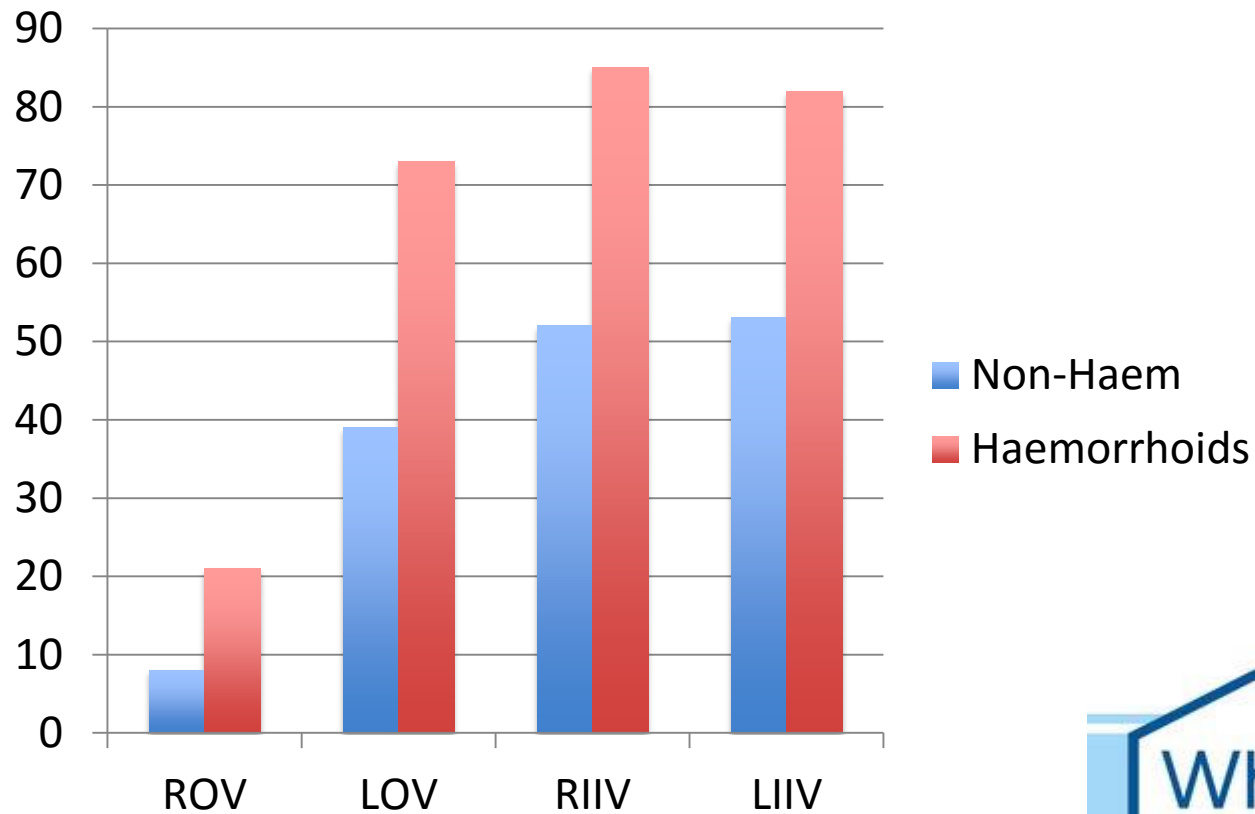


Patterns of reflux
2011 statistics- 153 patients



Percentage Reflux in Pelvic Trunks

n=56 H vs. 97 NH

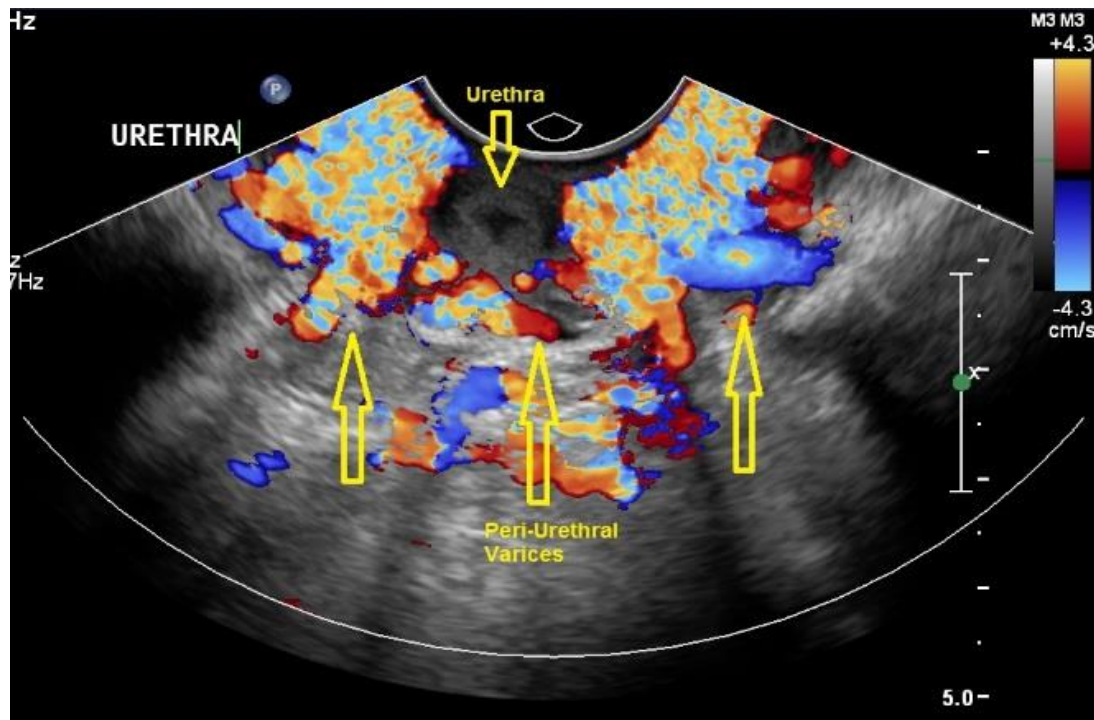
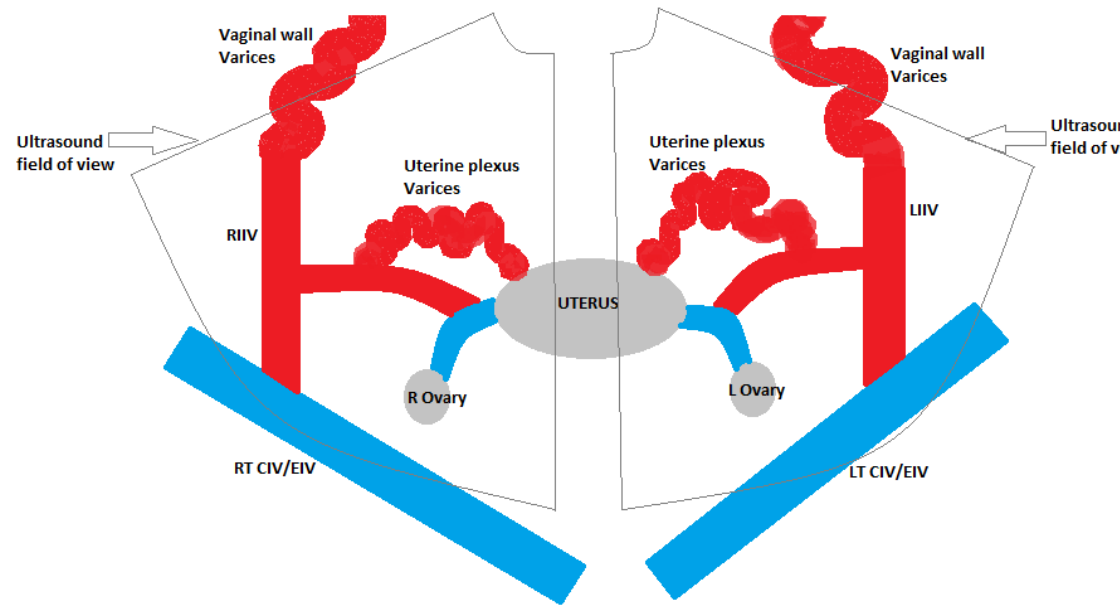


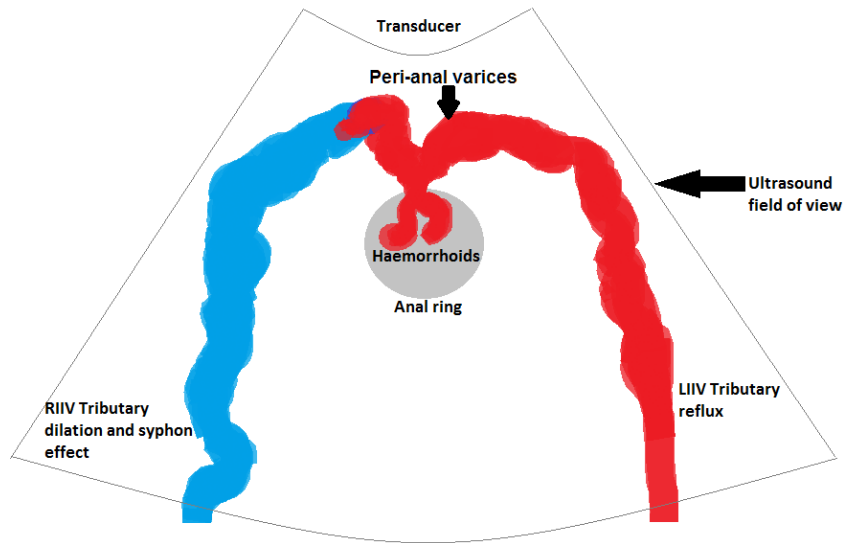
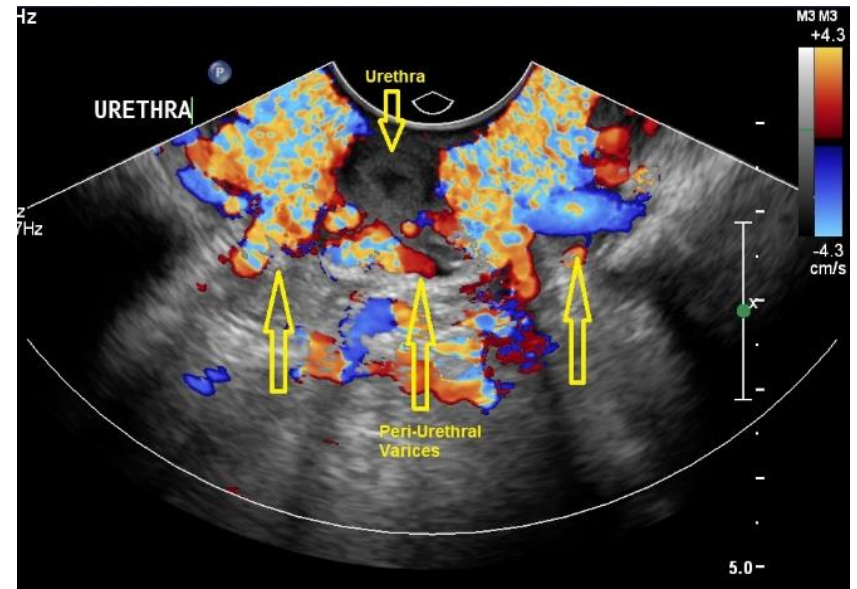
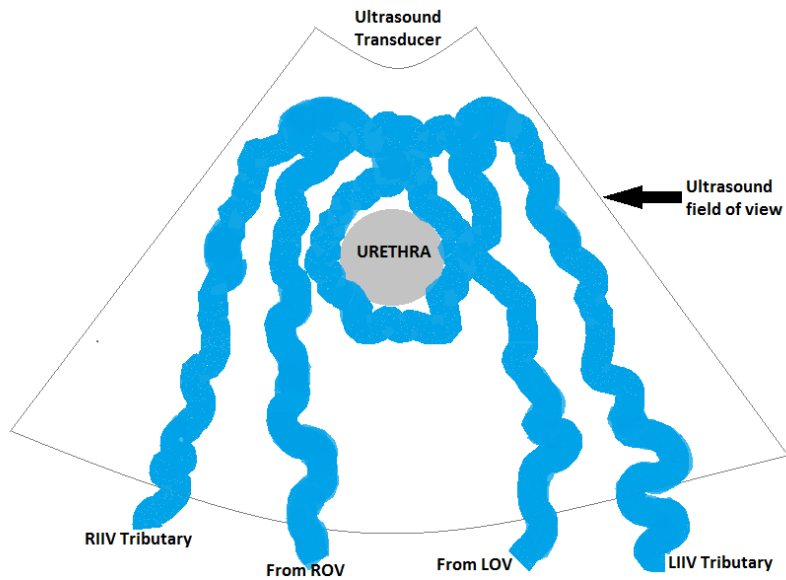
The Role of Transvaginal Duplex



TWC Protocol

- TVUSS at 45 degrees with valsalva
- Reflux >1s (trunk>5mm)
- Syphon effect
 - Trickle
 - Moderate
 - Severe
 - Gross





Haemorrhoidal Disease



Haemorrhoids

- Scope of the problem
- Pathophysiology
- Anatomical
- Treatment Options

Haemorrhoids

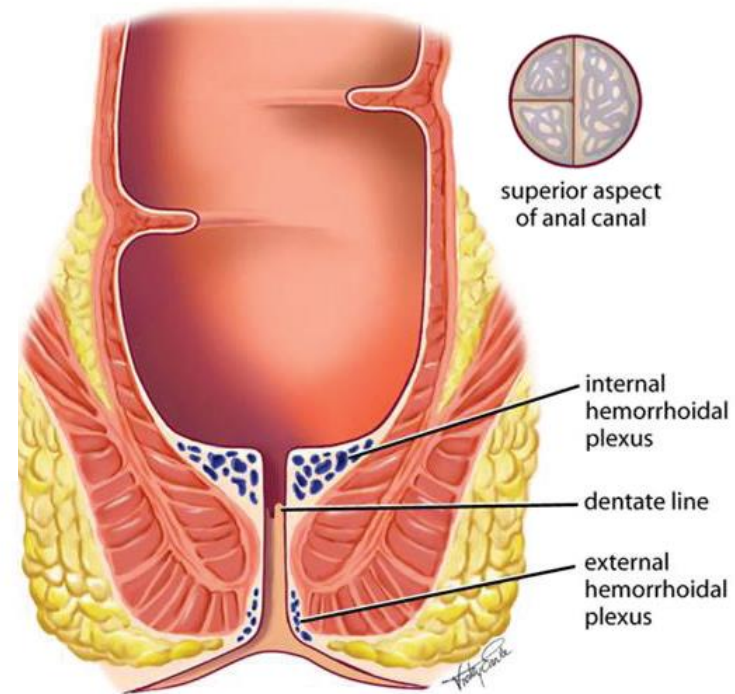
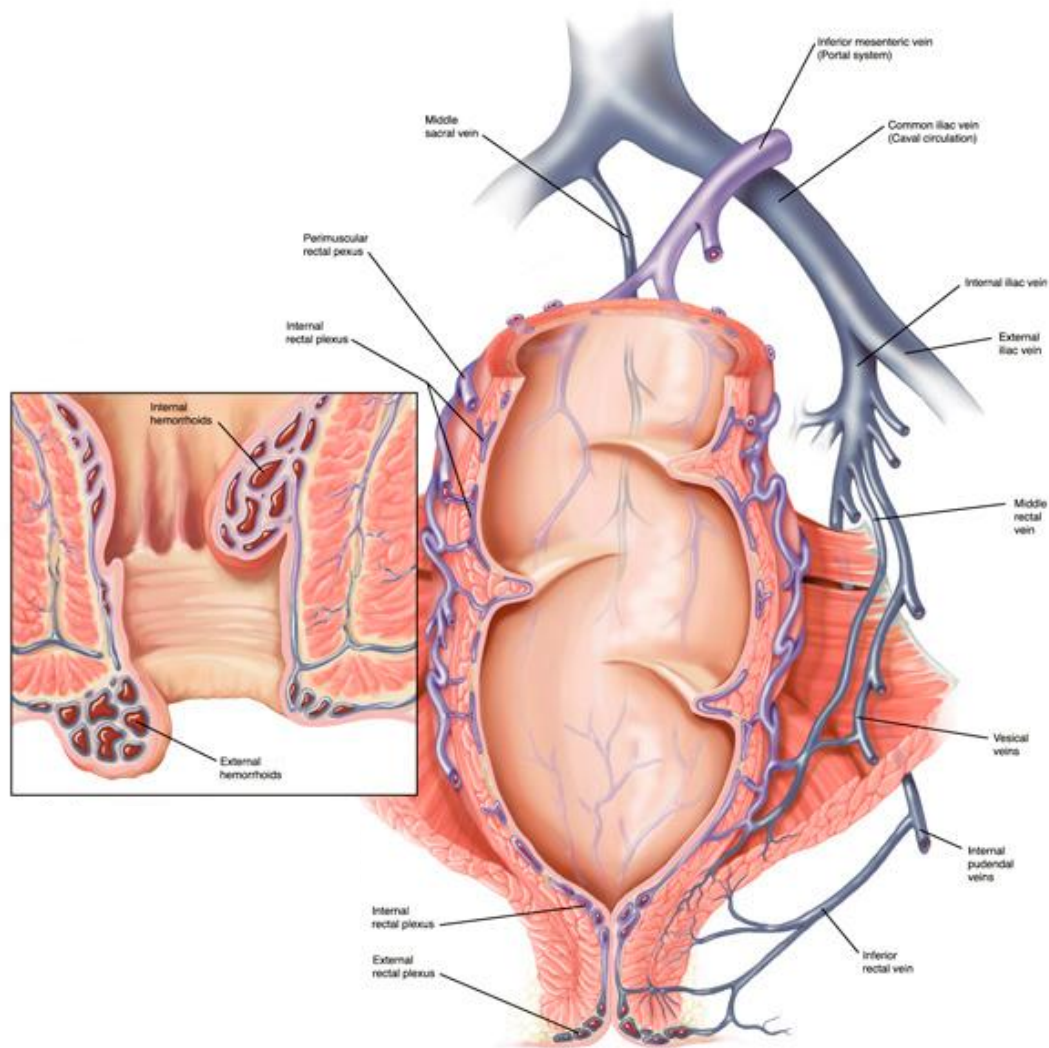
- Scope of the problem
- Pathophysiology
- Anatomical
- Treatment Options

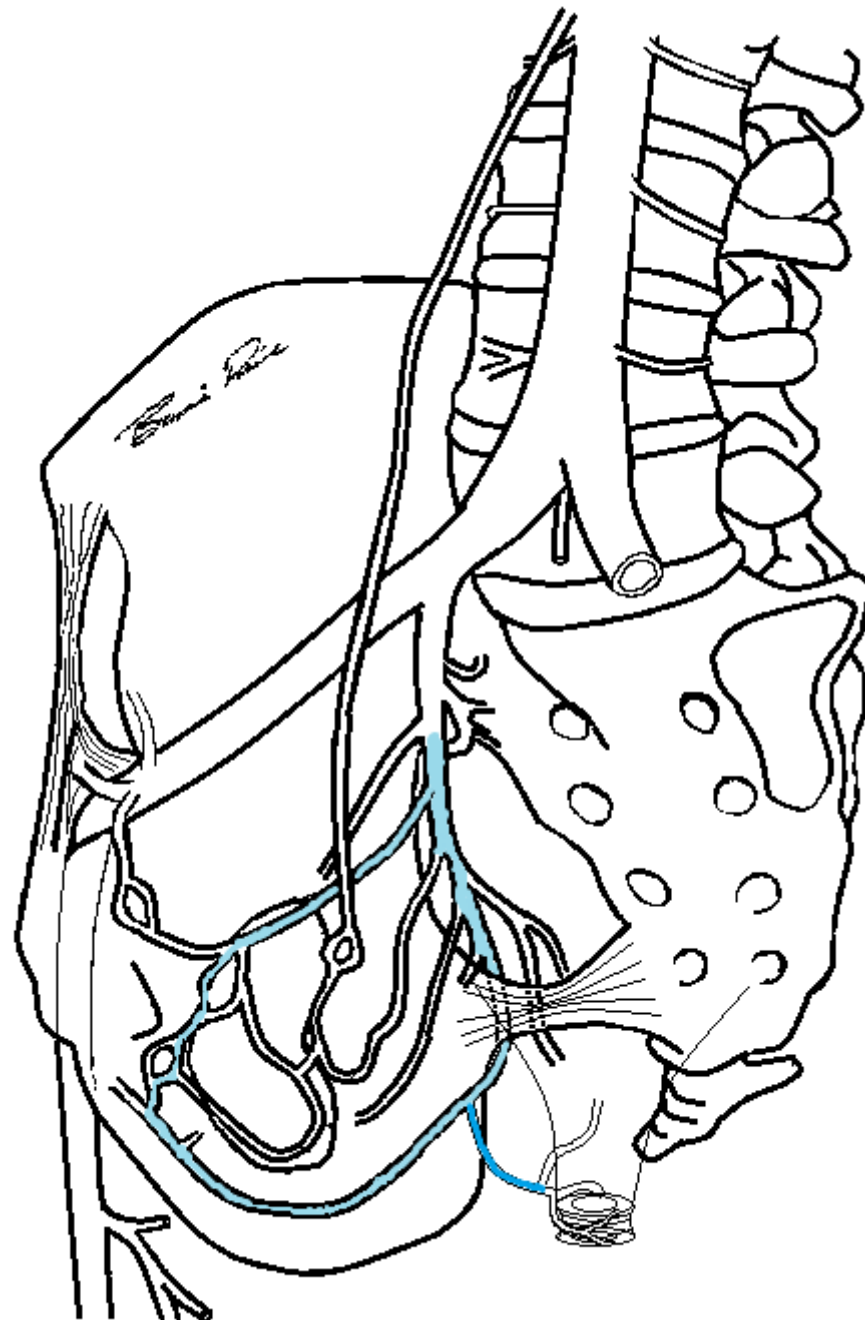
Haemorrhoids

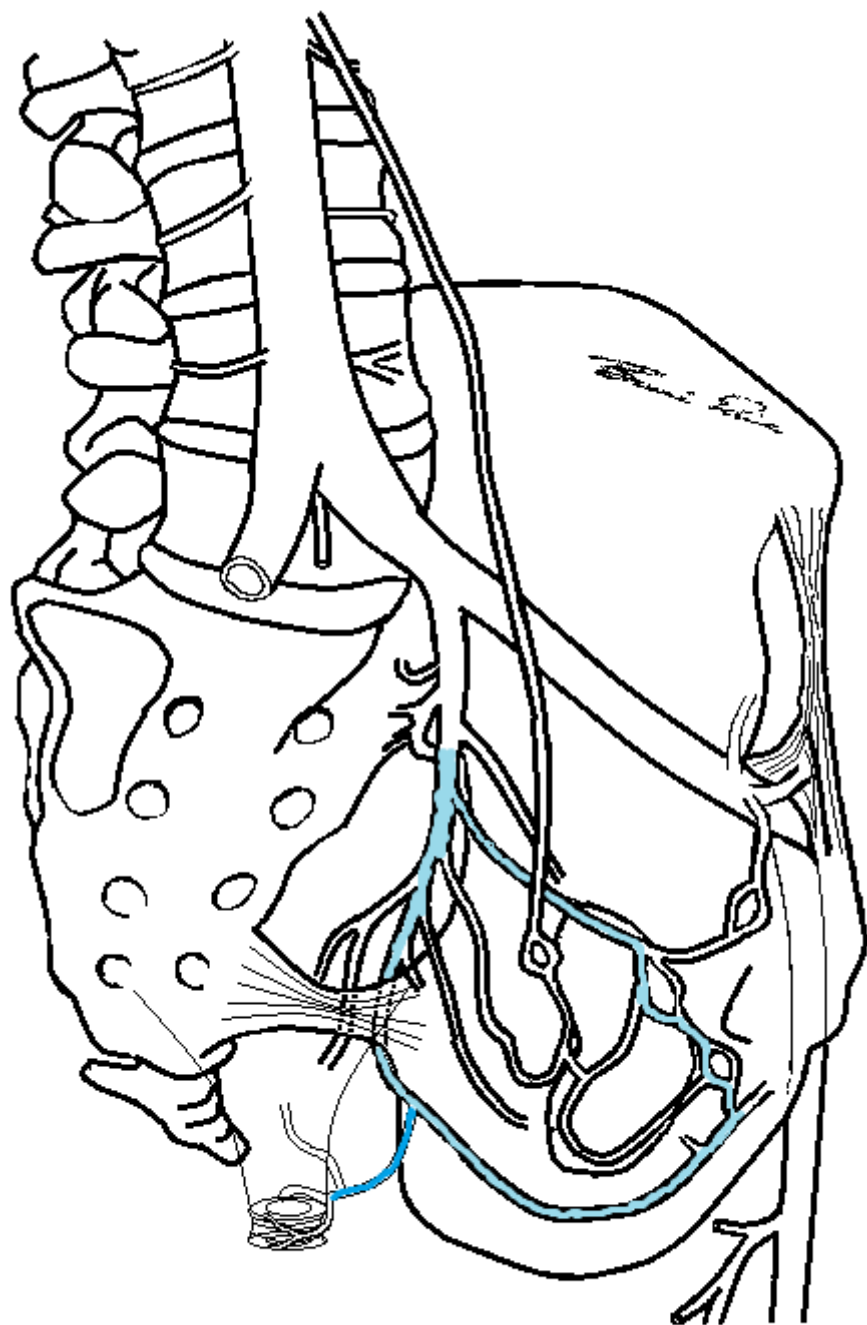
- Scope of the problem
- Pathophysiology
- Anatomical
- Treatment Options

Haemorrhoids

- Scope of the problem
- Pathophysiology
- Anatomical
- Treatment Options







Haemorrhoids

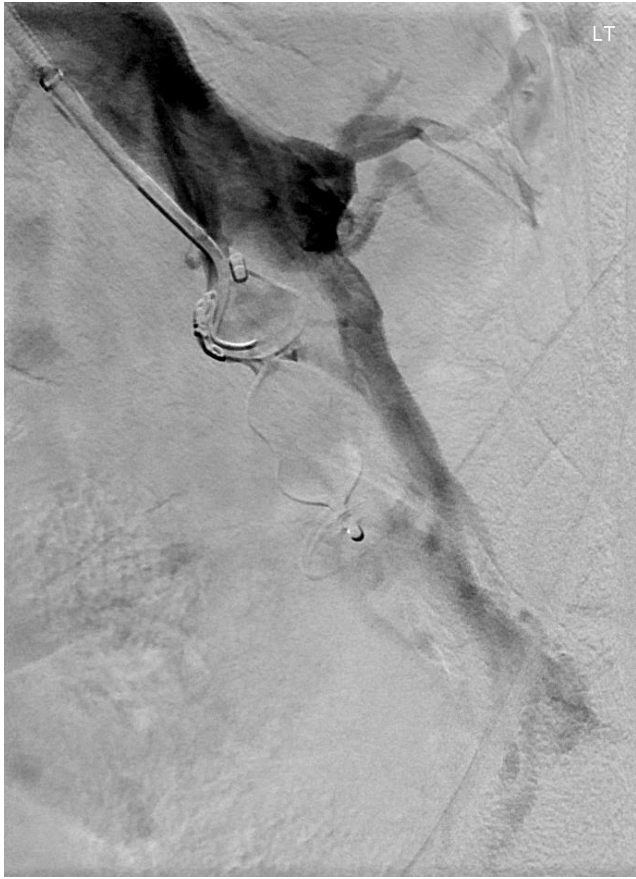
- Scope of the problem
- Pathophysiology
- Anatomical
- Treatment Options

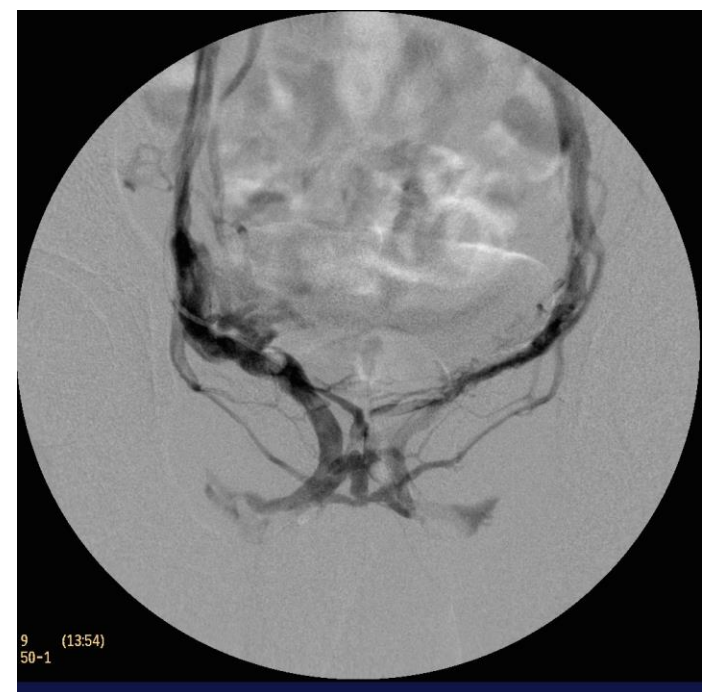
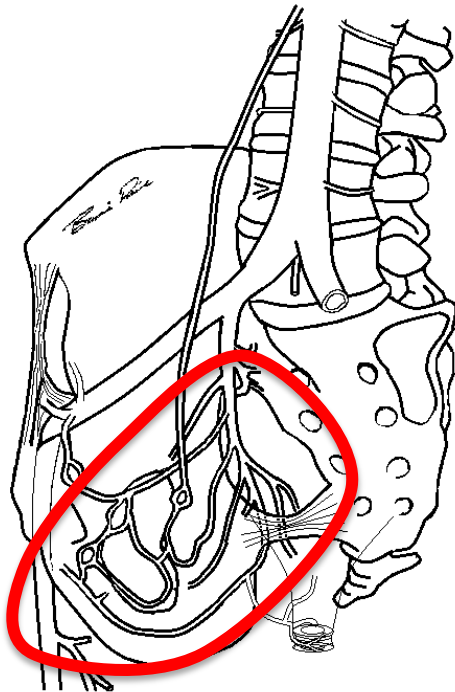


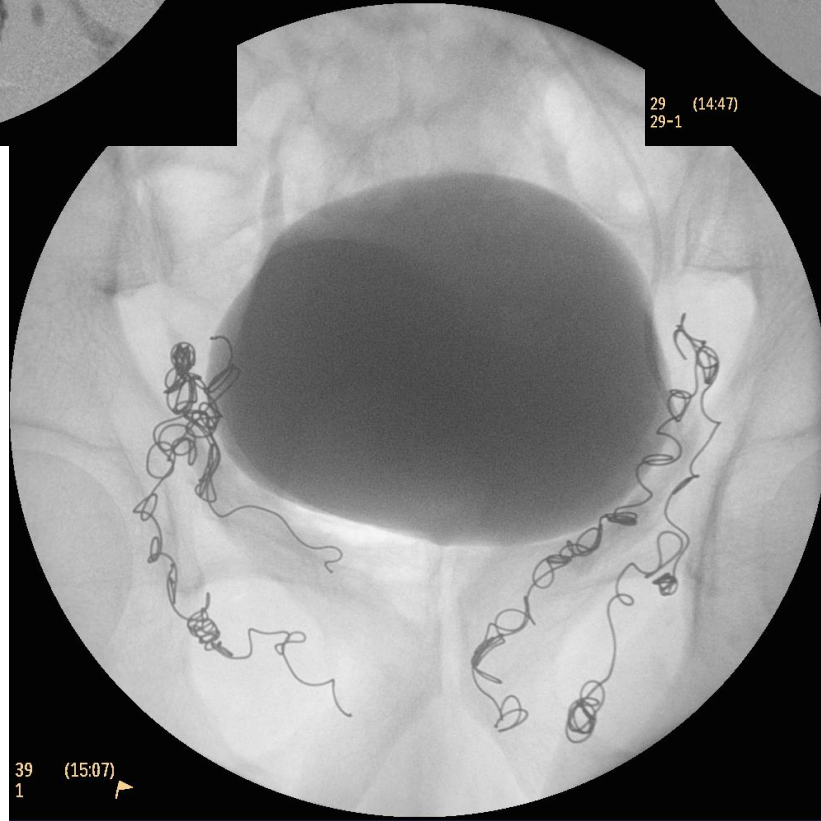
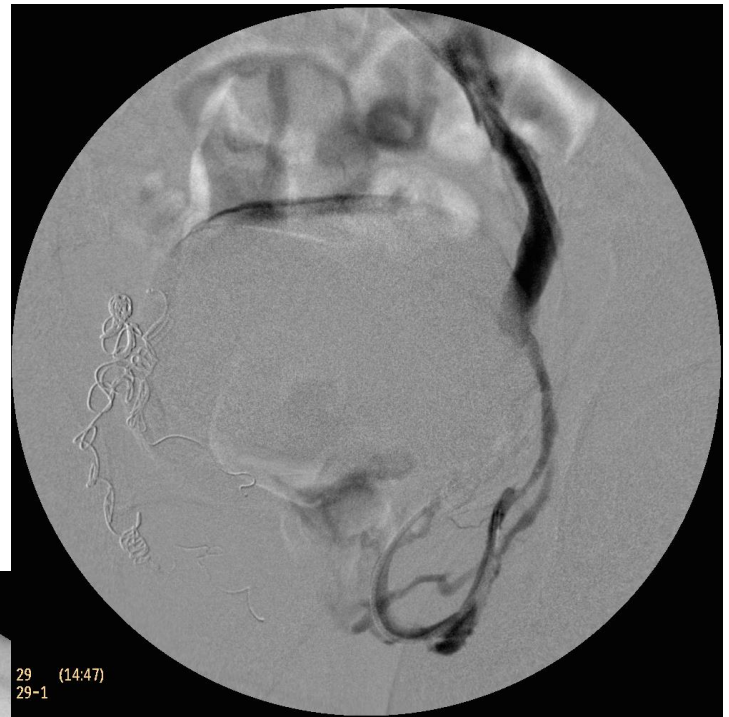
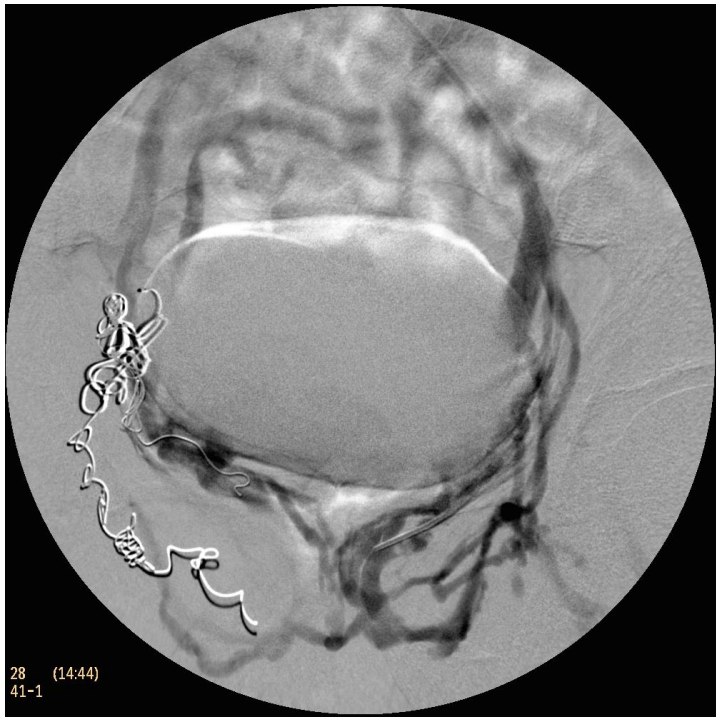
Treatment Options

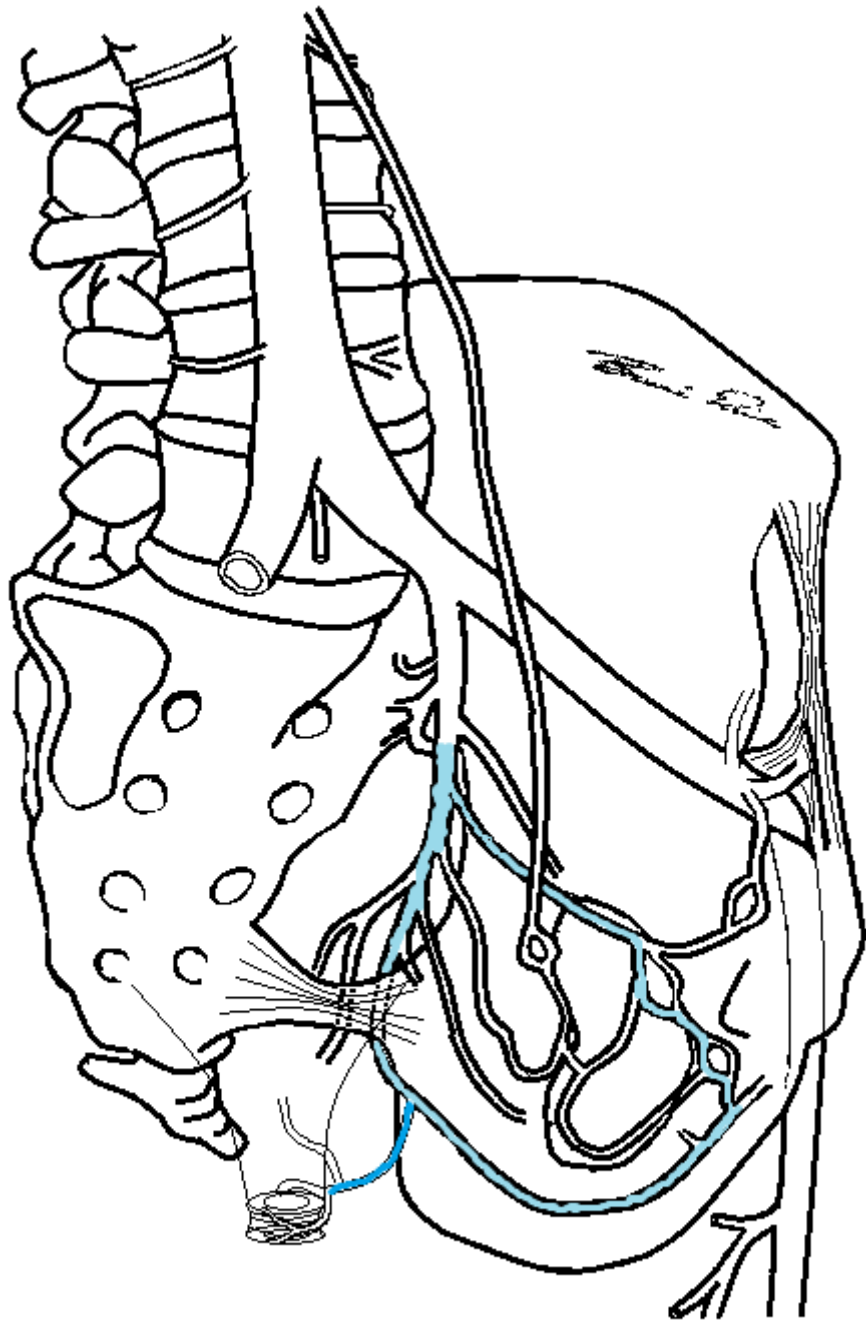
- Conservative
- Office Based
 - Rubber band ligation/IR coagulation/injection sclerotherapy
- Surgical
 - Excisional Haemorrhoidectomy (Closed/open)
 - Ligasure Haemorrhoidectomy
 - DGHAL/Embolisation of Haemorrhoidal arteries
 - Stapled Haemorrhoidopexy
- HembolizeTM

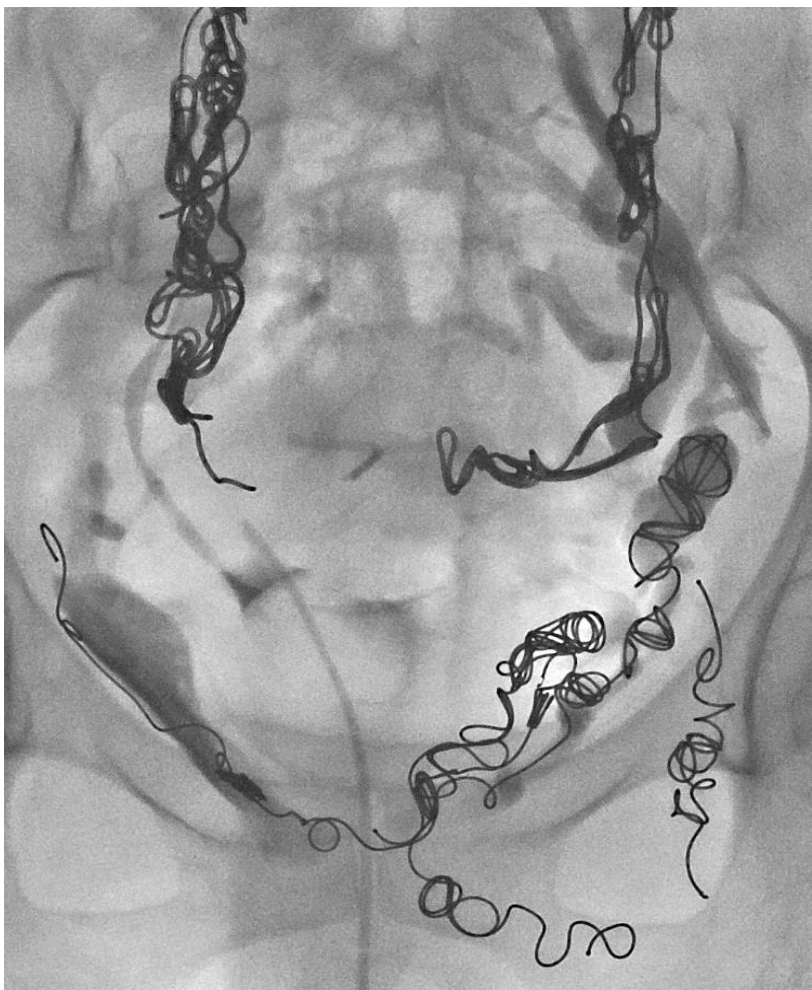






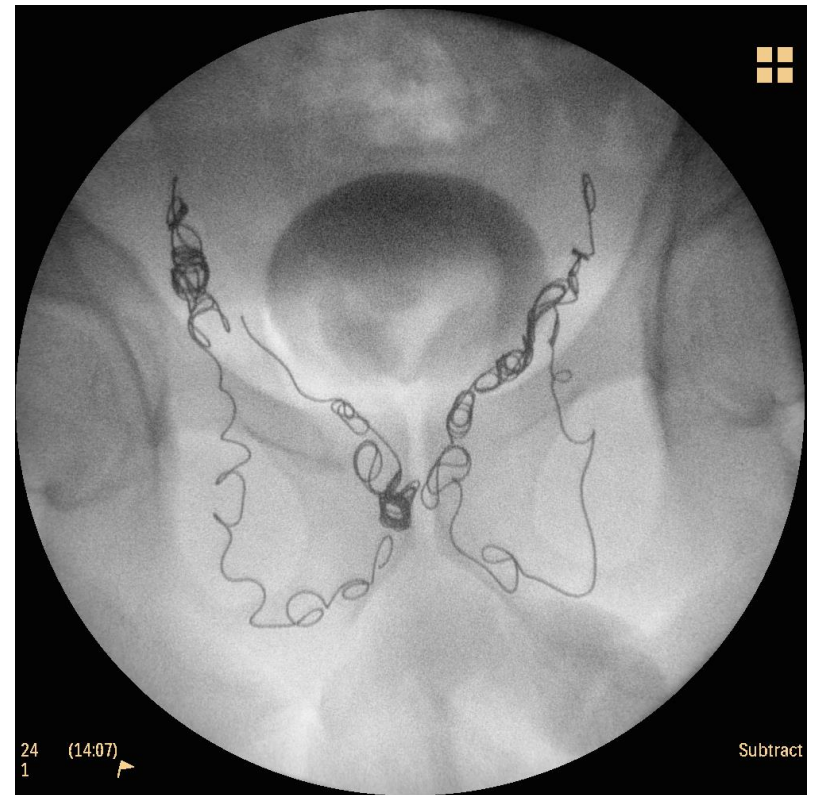
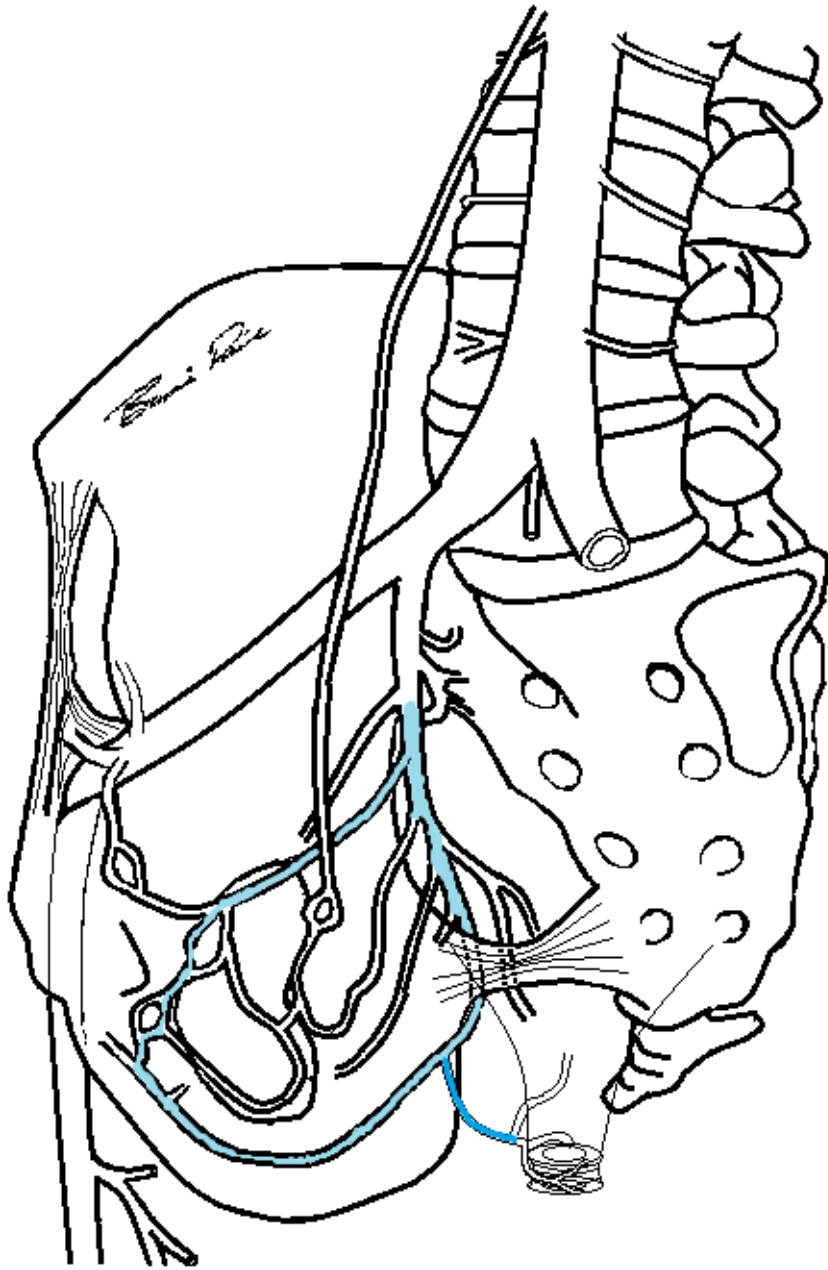


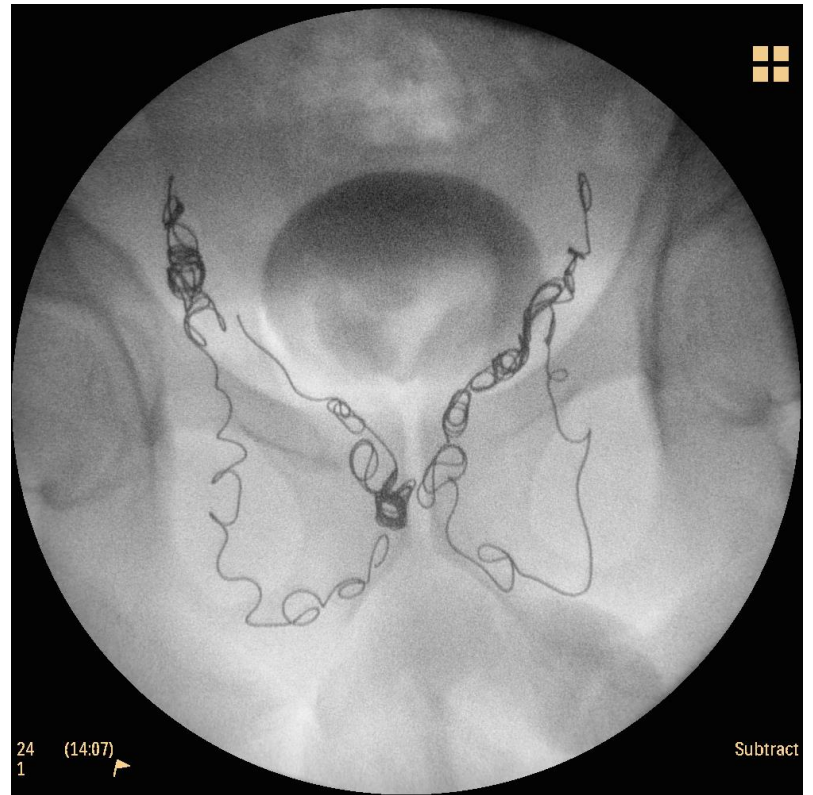
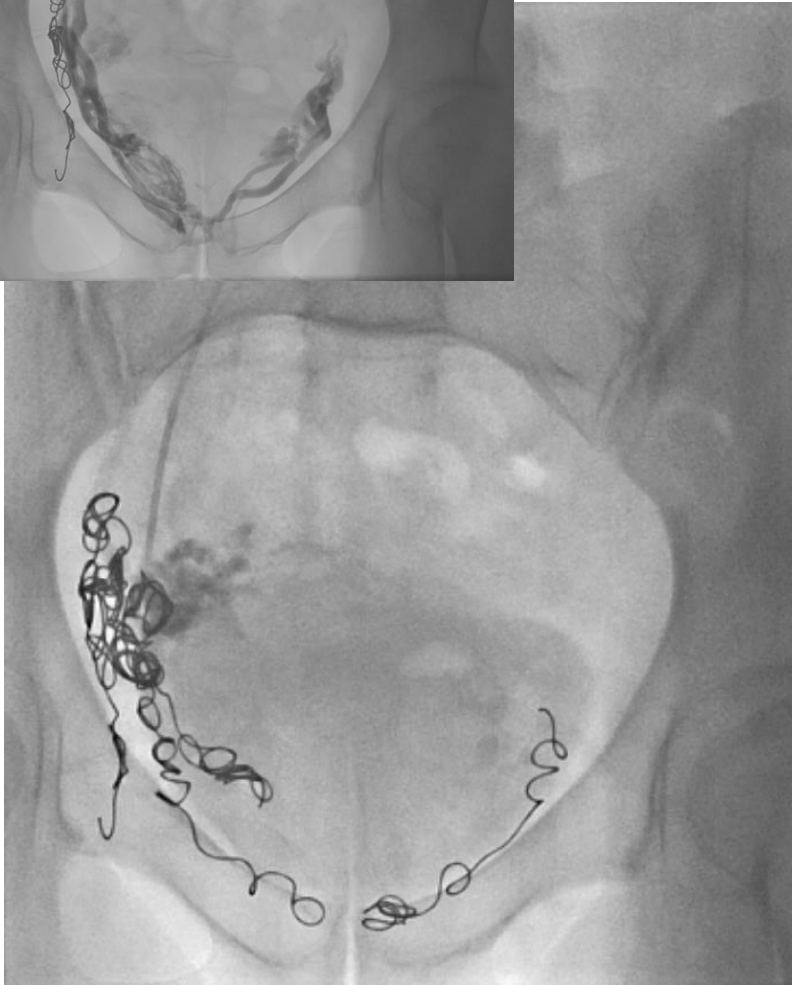








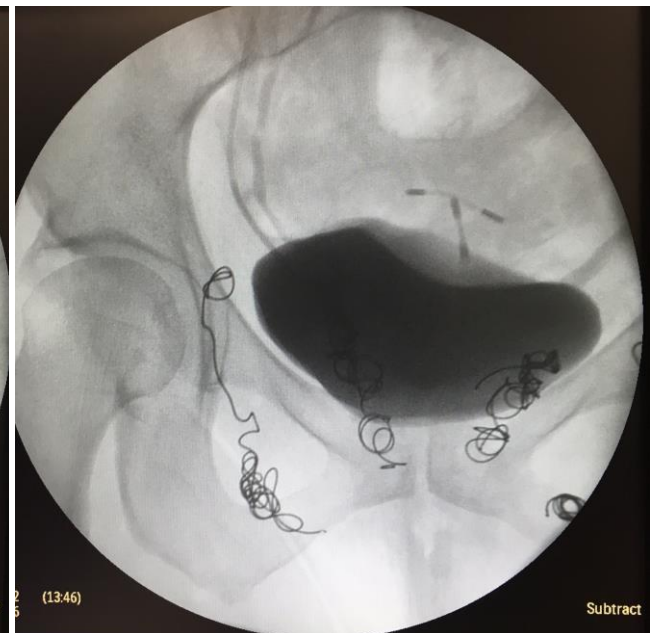
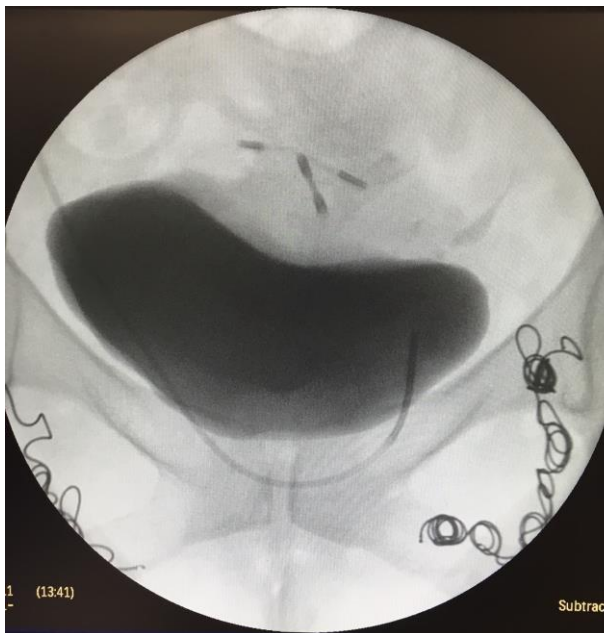
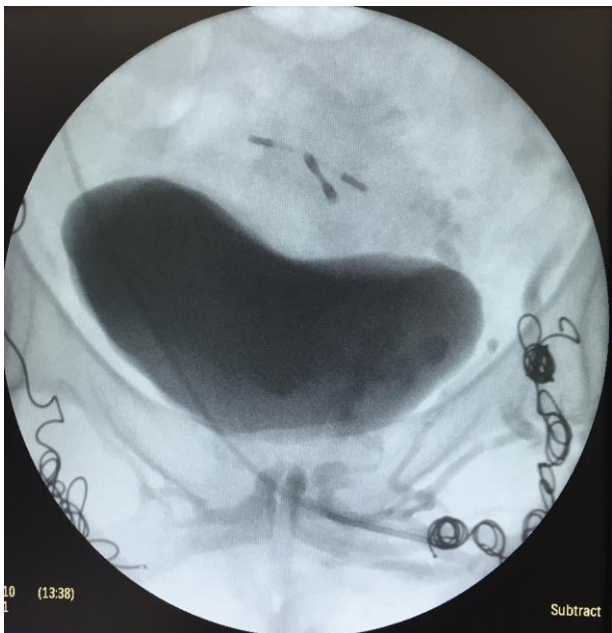
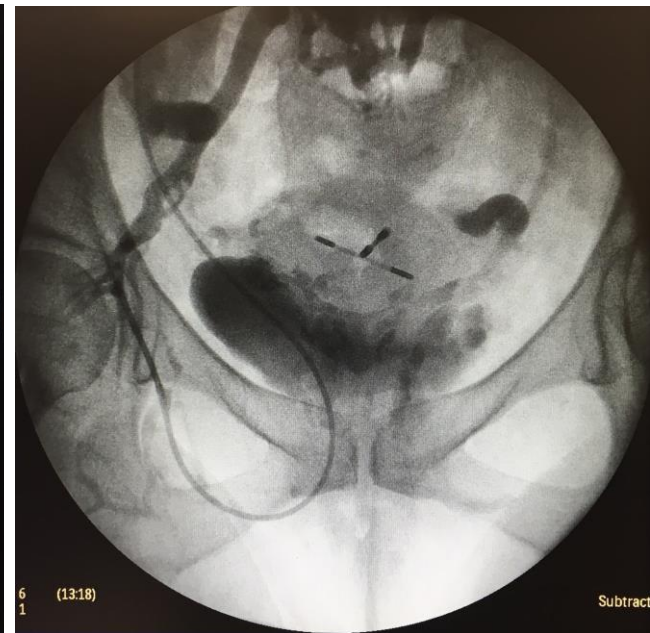
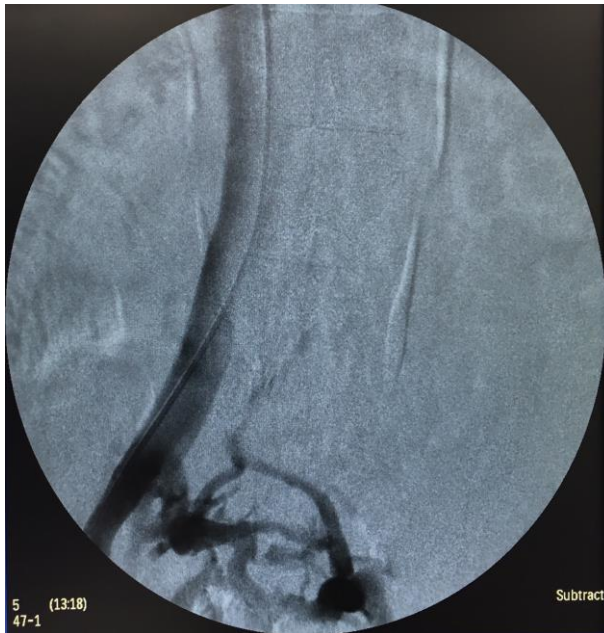
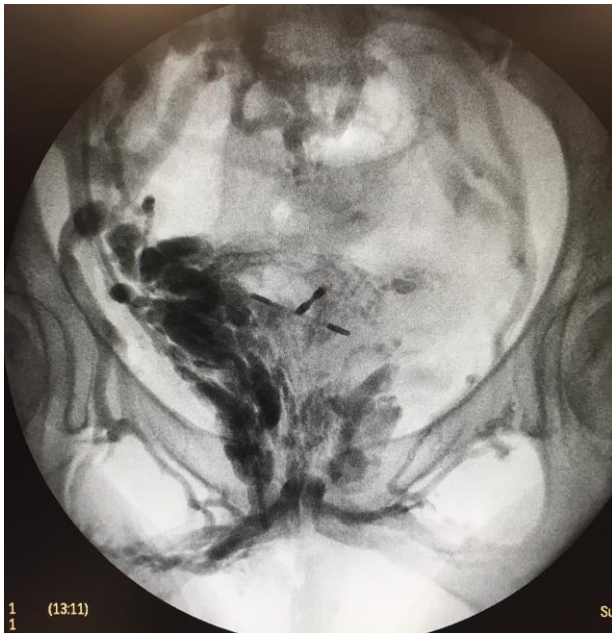




- Day 1
 - Slight aching tops of legs & bottom bum!
 - No throbbing or uncomfortable after toilet
 - Blood 2nd time but not bad nor any pain, no fluid/jelly or throbbing, hem shrunk dramatically
- Day 2
 - No pain no blood straight after toilet not swollen and no clear fluid/jelly no throbbing but then slight pain 30mins after, lasted 30 mins. still same slight pain tops of legs etc but paracetamol & ibuprofen sort that
- Day 3
 - Legs feel ok this morning, no pain or throbbing, tiny bit of blood but not dripping, not swollen, no clear fluid/ jelly. Little bit of the same aching came on about lunch time.
- Day 4
 - Morning - blood but not dripping, no throbbing, no leak fluid/ jelly
 - Evening - blood congealed, a slight pain but no throbbing, no leak fluid/ jelly, Hem half the size
- Day 5,
 - Didn't go first thing, groin still aching, toilet pm, blood congealed, not dripping gone after 3 cleans, no throbbing or fluid/ jelly.
- Day 6
 - Legs still aching, begging to wonder whether I've pulled something and not to do with the op! Didn't need to go to loo today?
- Day 7
 - Toilet first thing, completely normal. No pain, blood, throbbing, fluid or jelly.
 - Happy!

Order of Embolisation

- Always attempt left internal iliac vein embolisation prior to right
 - MTS
 - Iliac Occlusive disease
 - Aberrant anatomy



Clinical Hembolize™ Protocol

The Whiteley Clinic



Protocol

- Referral
- Surgical Assessment
- Pre-interventional Investigations
- Consent
- Tailored Pelvic Vein Embolisation
- Surgical follow up

Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- **Seems to be evidence**
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Have we got to the bottom of it?

- Failed previous Rx, ethics, not formal study, circumstantial evidence
- Seems to be evidence
- Pelvic Vein Embolisation for Haemorrhoidal disease is feasible, safe, and well tolerated
- While initial results show improved quality of life and a reduction in bleeding numbers are currently small.
 - Subjective evidence only
- Mid-long term safety is established although mid-long term results for treatment of haemorrhoidal disease will guide the need for further local treatments if needed
 - Compare with EVLA and phlebectomy.
 - Carradice *et al.*⁷'s 2009 study showed 66% of patients in the truncal ablation only group required secondary interventions. Monahan *et al.*⁶ suggested that after RFA, 13% of patients had spontaneous varicosity regression and 41% of patients did not require further treatment.
- Reflux/Stasis
- Formalising study to assess outcome
- Will Haemorrhoidal disease be a vascular surgical issue?????????????



Thank You



hem**b**olize™