

Endoscopic Ultrasound, What you need to know

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- What is EUS
- Why EUS
- EUS adjuncts
- Indications
- Side effects and complications
- What you need to know from GP perspective



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What is EUS

- Minimal invasive specialised endoscopic procedure to evaluate lining of the GIT and nearby organs/structures/tissues.
- Procedure combines both Endoscopy and US
- Flexible tube and US device that use soundwaves to create detail images
- Types: Radial & linear





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Dr H Ahmed, BDGH

Courtesy of Olympus-Europa.com



Why EUS

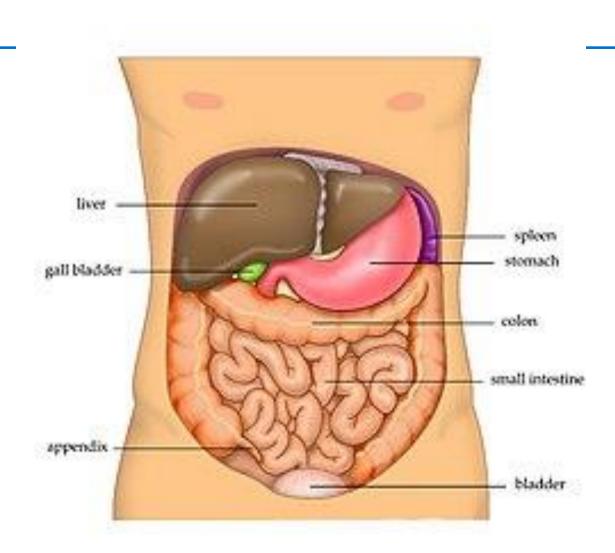
• Why not transabdominal or CT-scan?



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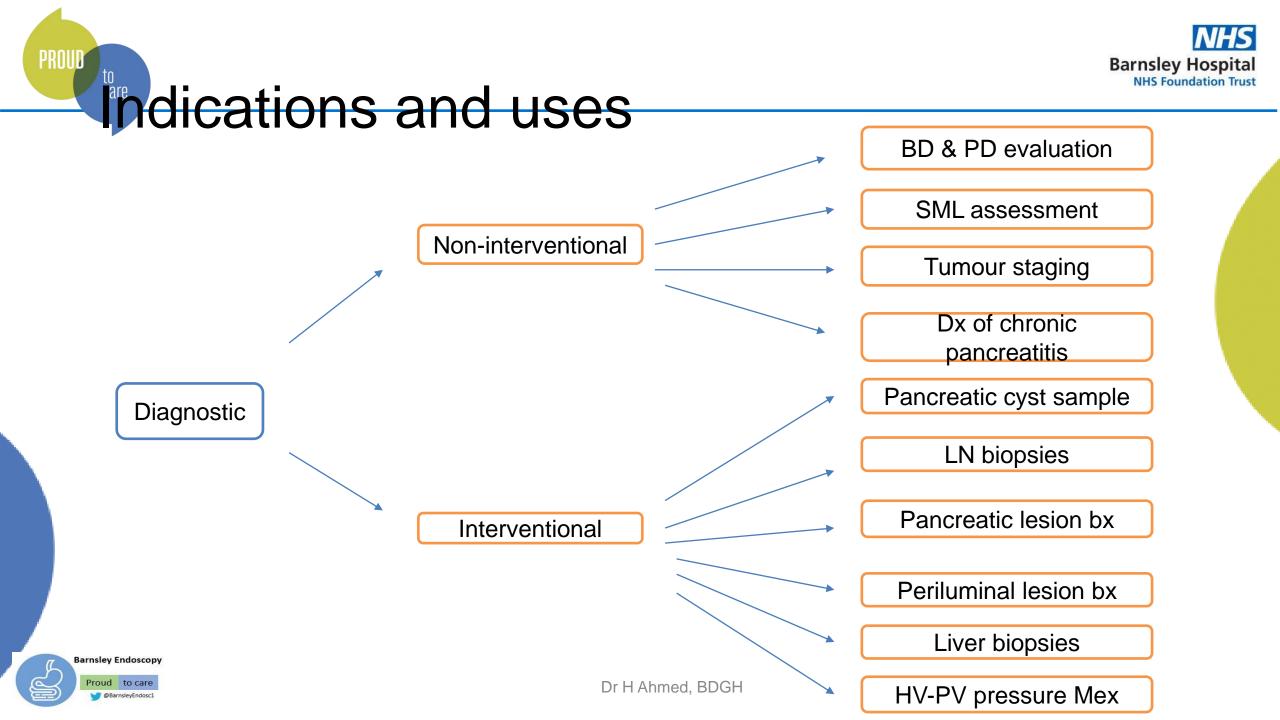


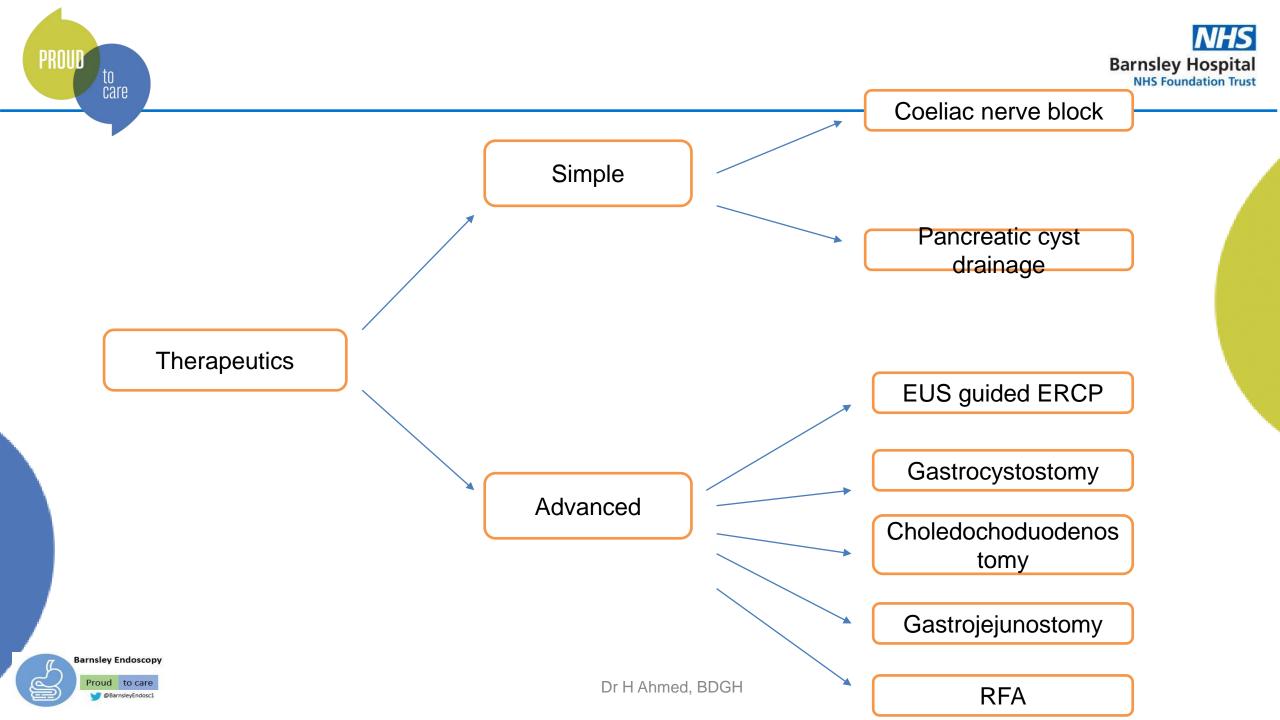
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Courtesy of Wikipedia Free Encyclopaedia







EUS adjuncts and equipment

- FNA/FNB needles (Boston)
- Balloon
- Stents
- Contrast



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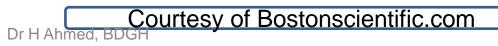
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FNB needle









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FNA needle









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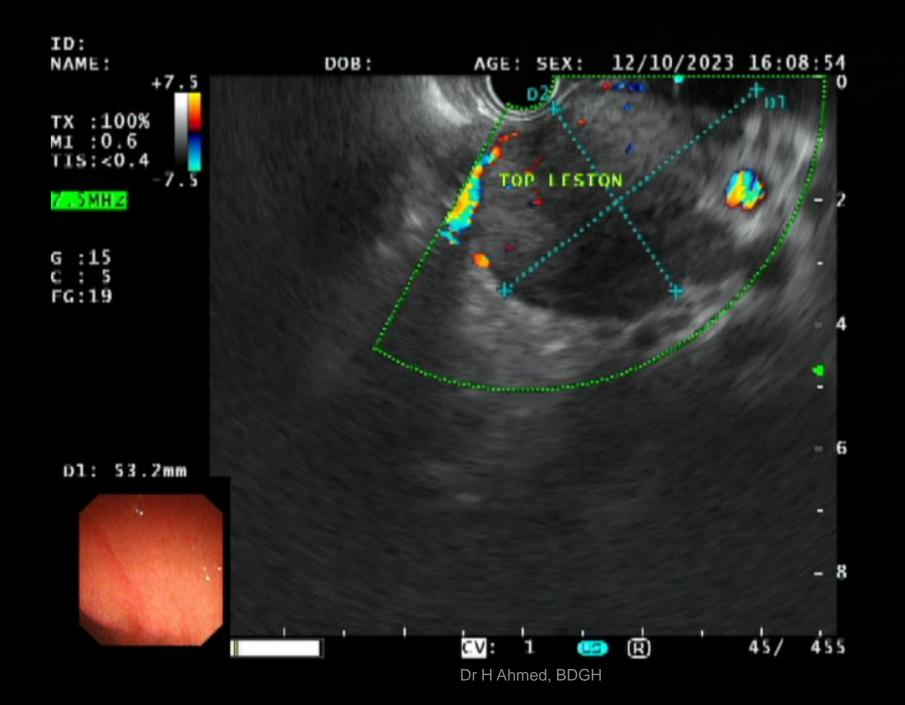
Case 1

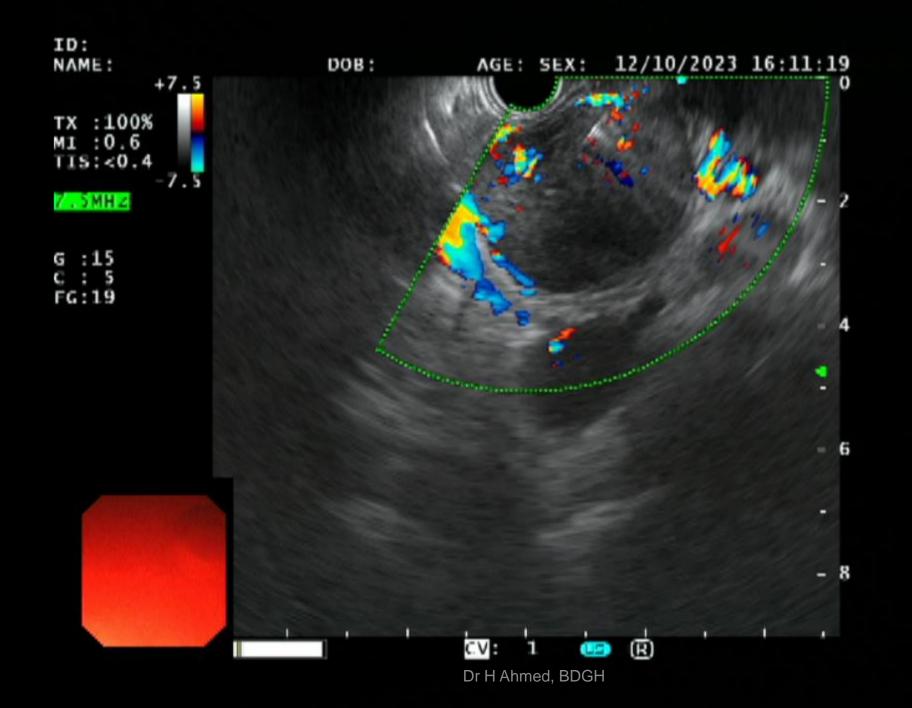
• 73 M

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- STT with dyspepsia & weight loss
- OGD Unremarkable
- CT- scan Advanced TOP lesion
- Referred for EUS +/- FNB









Case 2

• 21M

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- Abdominal pain and bloating
- OGD
- Small Gastric SML
- Referred for EUS +/- FNB





Sex: Age: D.O.R.: 07/11/2023 15:27:59









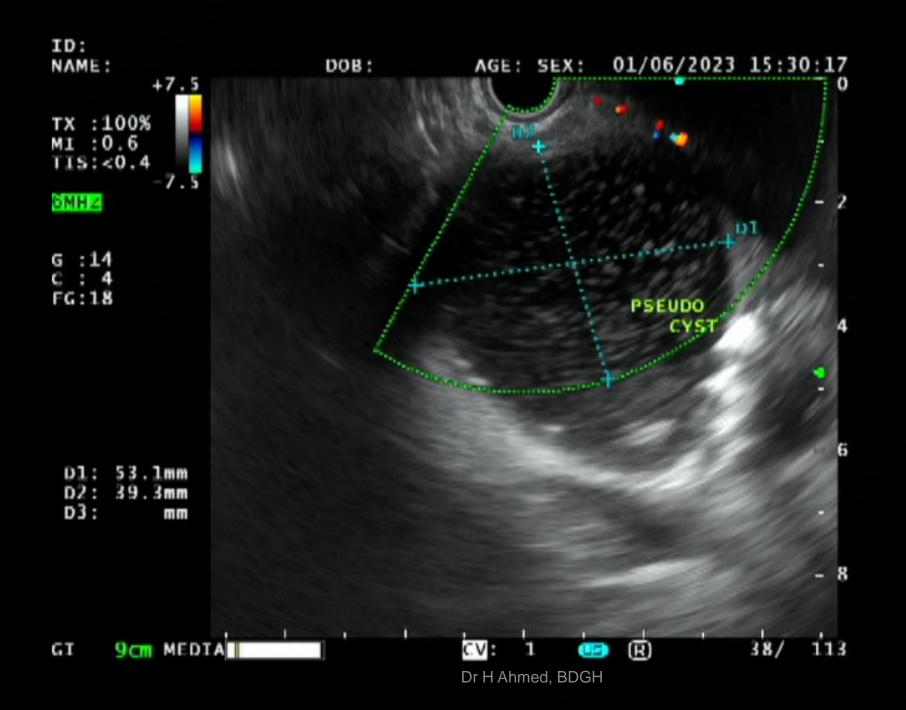
Case 3

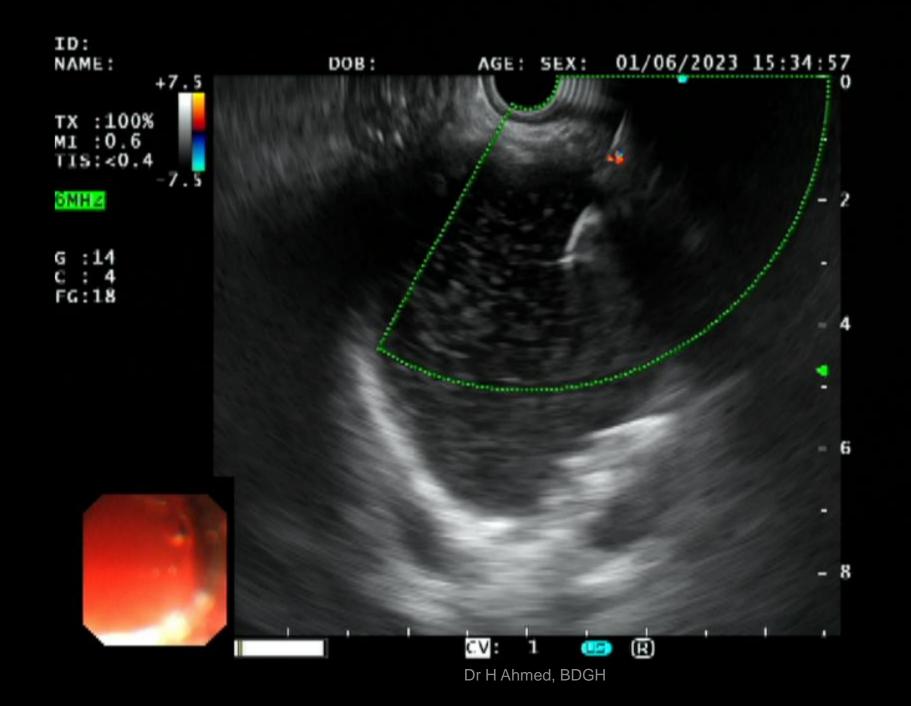
• 46 M

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- Known CP
- Presented with Abdominal pain and vomiting
- CT-scan Large pseudocyst
- Referred for EUS + FNA

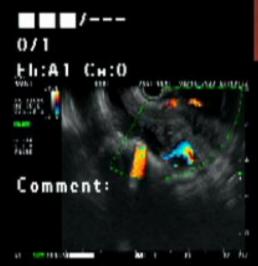






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Complications

- Sore throat
- Allergies to medication & throat spray
- Respiratory issues
- Teeth or bridgework damage
- Bleeding
- Perforation
- Pancreatitis
- Infection specially after cyst fluid aspiration
- Incomplete procedure



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What you need to know from PC point of view

- Most of referral are from MDT & Gastroenterologist
- Dilated bile ducts with contraindications for MRI



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Barnsley Endoscopy

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