

migrating into the duodenal wall. We concluded this was not related to the technique of PDS and should not deter us from continuing this practice. As expected our complication rates are higher than our units normal complication rates which reflects the challenging nature of the cases when PDS is attempted.

**Disclosure of Interest** None Declared.

#### PTH-011 CHANGING TRENDS OF ERCP, A DECADE APART

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**Introduction** ERCP has become a well established therapeutic intervention. Indications and practice of ERCP have changed over the years due to advent of new imaging modalities. Our aim was to evaluate the ERCP indications, diagnosis and complications over 12 month period, a decade apart.

**Methods** Retrospective observational audit, data extracted from endoscopy reporting system and electronic patient's records. Consecutive patients undergoing ERCP over 12 months in 2002 and 2012.

**Results** Total number of ERCP's performed was 233 and 212 in the year 2012 and 2002. Median age was 73 and 69 with IQR (58–82) and (56–80) years respectively. Gender ratio in 2012 of 1:1.1 and 1:1.5 in 2002.

**Diagnosis:** in year 2012: stone disease 109 (46%). Pancreatic Cancer 31 (13.7%). Normal biliary tree 22(9%) whilst in the year In the year 2002 stone disease 90(42%). Pancreatic Cancer 16(7.5%). Normal Biliarytree 60(28%).

**Interventions:** Year 2012: stent insertion 72(30.9%) and sphincterotomy 155(66.5%). year 2002 stent insertion 39 (18.3%) and sphincterotomies 86(40.6%).

Technical success rate in both the years was 95%.

**Complications:** 30 day mortality in 2012 was 22(9.4%) and 12(5.7%) in 2002. There was one procedure related death in year 2012 (0.4%), none in 2002. Bleeding requiring transfusion : 14(6%) in 2012 6(2.6%) in 2002. Pancreatitis 6(2.6%) and 6 (3.3%) in 2012 and 2002. Seven patients required sedation reversal in year 2002 as opposed to 0 in 2012. Reflecting the significantly reduced doses being used in the latter year.

**Conclusion** 1) Work load remained the same. 2) Less number of normal ERCP'S 3) More pancreatic malignancies identified 4) More therapeutic procedures undertaken.

**Disclosure of Interest** None Declared.

#### PTH-012 RESPONSE TO PERI-AMPULLARY BOTOX INJECTION AND SUBSEQUENT LONG TERM RESPONSE TO ENDOSCOPIC SPHINCTEROTOMY IN TYPE 2/3 SPHINCTER OF ODDI DYSFUNCTION

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**Introduction** Pain relief following the peri-ampullary injection of Botulinum toxin A may offer a safe alternative to biliary manometry that accurately identifies patients with Type 2/3 Sphincter of Oddi Dysfunction (SOD) who will benefit from endoscopic sphincterotomy.

**Methods** From 2007 to 2012, patients with probable biliary or pancreatic type 2 or 3 Sphincter of Oddi Dysfunction based on

Rome III revised Milwaukee criteria underwent injection of 100 units Botox divided into four quadrants close to the major papilla.. Response was characterised as complete (CR), partial (at least 50% improvement) (PR) or no response (NR) using a 10-point Likert Scale. Patients that showed either CR or PR were offered an endoscopic sphincterotomy when symptoms returned or worsened.

**Results** 91 patients with median age 39 (22–64), 92.3% female were studied.

93% patients with suspected Type 2 biliary SOD (n = 15) had prior cholecystectomy: 73% had a response to Botox (5CR, 6PR). 7 underwent ES for recurrent symptoms, 2CR and 5PR (100% responders). The time from Botox to ES ranged from 12 to 42 weeks (median 20 weeks). Of the 7 who underwent ES 4 of the responders had no further intervention, 3 underwent extension of their ES for recurrent symptoms within 5 to 8 months. Of 3 NR to Botox who underwent ES only 1 responded. Of the NR none had any further intervention.

84% patients with suspected Type 3 biliary SOD (n = 64) had prior cholecystectomy: 53% had a response to Botox (17CR, 23PR). 26 underwent ES for recurrent symptoms, 8CR and 15PR (88% responders). Of 13 Botox NR who underwent ES, only 3 responded (23%). The time range from Botox to ES ranged from 6 to 58 weeks (median of 17.5 weeks). Of the 26 who underwent ES and were CR or PR 18 had no further intervention and 8 had extended ES for recurrent symptoms within 2 to 30 months. Of the 3 responders to ES but not Botox 2 had further ES 1 with CR and 1 NR.

83% patients with suspected Type 3 pancreatic SOD (n = 6) had prior cholecystectomy: 83% had a response to Botox (4CR, 1PR). 2 underwent ES within 12 to 19 weeks post Botox, and both responded with one having extension of ES for recurrent symptoms with a PR.

**Conclusion** Botox injection identifies patients likely to respond to ES avoiding the risks of manometry. Manometry may be helpful in a proportion of Botox non-responder in whom SOD is still suspected.

**Disclosure of Interest** None Declared.

#### PTH-013 ROUTINE COAGULATION PROFILE PRIOR TO ERCP – AN UNNECESSARY INVESTIGATION?

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**Introduction** From the first reported endoscopic retrograde cholangiopancreatography (ERCP) in 1968 to the invention of endoscopic sphincterectomy in 1974, ERCP has evolved to an almost entirely therapeutic procedure. It is appreciated that approximately 54,000 patients undergo ERCP each year.<sup>1</sup> The 2008 British guidelines include routine pre-procedural coagulation screen within 3 days prior to ERCP.<sup>2</sup> However, the American Society for Gastrointestinal Endoscopy guidelines state that the prothrombin time, International Normalised Ratio (INR), and activated partial thromboplastin time in patients without clinical evidence of bleeding disorder or coagulopathy do not predict or correlate with either intraoperative or postoperative haemorrhage.<sup>3</sup>

**Methods** A 12-month retrospective study of 440 patients undergoing ERCP in a single UK tertiary institution was undertaken. The correlation between the presence of a biochemical cholestatic picture and the INR was assessed.



# PTH-012 Response To Peri-ampullary Botox Injection And Subsequent Long Term Response To Endoscopic Sphincterotomy In Type 2/3 Sphincter Of Oddi Dysfunction

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