



Clinical Gastroenterology & Hepatology



Gastrointestinal endoscopic innovation from China

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Endoscopic Retrograde Appendicitis erapy (ERAT): Inspired by the success of emergency endoscopic retrograde cholangiopancreatography (ERCP) in treating acute cholangitis, we developed a minimally invasive method named ERAT to diagnose and treat acute appendicitis. We rst reported this technique in DDW 2011. At present, there are more than 20 medical centers in China to carry out the ERAT technique. ERAT provide a new procedure for the treatment of acute appendicitis with rapid pain relief and short recovery time.

Liu Peroral Endoscopic Myotomy (Liu-POEM) Peroral endoscopic myotomy (POEM) has emerged as one approach to treat esophageal achalasia. Tunnellization and the myotomy are the key procedures. Submucosal tunneling requires one-third to one-half of the total operation time. For improvement of POEM procedure, we performed myotomy and tunneling as one step and then closed the entry site as before. We performed the modi ed procedure more than 60 cases.

Endoscopic Fenestration: e treatment of pancreatic pseudocyst is challenging and di cult. Although endoscopic therapy of pancreatic pseudocyst is considering rst line therapy, there are some cases requiring surgical intervention or repeated endoscopic drainage procedures. We described endoscopic fenestration for treatment of large pancreatic pseudocyst in 3 cas. Endoscopic fenestration could be obtaining su cient drainage which avoids pancreatic pseudocyst recurrence. e pseudocyst cavity was gradually reduced and healed a er endoscopic fenestration.

Transrectal Gallbladder-Preserving Cholecystolithotomy (TRGPCT) Transcolonic NOTES was not used in human cases due to the fecal contamination. We have developed a detachable balloon to keep the distal colonic cavity sterile and performed cholecystolithotomy and polypectomy with gallbladder preserved in 36 patients by the end of May 2016. Transrectal NOTES gallbladder-preserving operation provides a novel alternative approach of treating gallbladder polyps and stones.

Endoscopic Submucosal Dissection for Losing Weight: gastric endoscopic submu5ng 10t drainf(p)12 (it)5 (i)-Span <</L

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