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### Reality named endoscopic ultrasound biliary drainage

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#### Abstract

Endoscopic ultrasound (EUS) is used for diagnosis and evaluation of many diseases of the gastrointestinal tract. In the past, it was used to guide a cholangiography<sup>[1]</sup>, but nowadays it emerges as a powerful therapeutic tool in biliary drainage. The aims of this review are: outline the rationale for Endoscopic Ultrasound-Guided Biliary Drainage (EGBD); detail the procedural technique; evaluate the clinical outcomes and limitations of the method; and provide recommendations for the practicing clinician. In cases of failed endoscopic retrograde cholangiopancreatography (ERCP), patients are usually referred for either percutaneous transhepatic biliary drainage (PTBD) or surgical bypass. Both these procedures have high rates of undesirable complications. EGBD is an attractive alternative to PTBD or surgery when ERCP fails. EGBD can be performed at two locations: transhepatic (TH) or extrahepatic (EH), and the stent can be inserted in an antegrade or retrograde fashion. The drainage route can be transluminal, duodenal or transpapillary, which, again, can be antegrade or retrograde (rendezvous, EUS-RV). Complications of all techniques combined include pneumoperitoneum, bleeding, bile leak/peritonitis and cholangitis. We recommend

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