

Study on the shape and function of the orifice of common bile duct under flexible choledochoscopy

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Abstract

AIM: We performed a prospective study to observe the shape and function of the orifice of common bile duct under flexible choledochoscopy. The shape of common bile duct observed under choledochoscopy is divided into 4 types; The dot, the radiating (converging), the irregular and the fissure types. As the irregular and fissure types, the orifice has relatively dysfunction, the biliary

ascariasis, cholangitis and recurrent biliary calculi are more likely to be found. An endoscopic manometric technique as used to measure the pressure of common bile duct and sphincter of Oddi.

RESULTS: The results demonstrated that the pressure of common bile duct and sphincter were lower in the irregular and fissure type and the pressure is higher in the stricture papillitis. The stricture papillitis is divided into 2 types, the functional and organic stenosis.

CONCLUSION: The functional stenosis may be cured by the drugs, the balloon dilator and sphincterotomy (papillotomy) and the organic stenosis may be cured by the balloon dilator, sphincterotomy or sphincteroplasty.

Key words: Shape and function; Common bile duct; Choledochoscopy

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