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Imaging of common bile duct by linear Endoscopic ultrasound

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Abstract

Imaging of Common bile duct can be done by many techniques. Endoscopic retrograde cholangiopancreatography is considered the gold standard for imaging of Common bile duct. A standard technique of imaging of Common bile duct by EUS has not been specifically described. The available descriptions mention different stations of imaging from the stomach and duodenum. The Common bile duct lies closest to duodenum and choice of imaging may be restricted to duodenum for many operators. Generally most operators prefer multi station imaging during endoscopic ultrasound and the choice of selecting the initial station varies from operator to operator. Detailed evaluation of Common bile duct is frequently the main focus of imaging during endoscopic ultrasound and in such situations multi station imaging with a high-resolution ultrasound scanner may provide useful information. Examination of the common bile duct is one of the primary indications for doing an endoscopic ultrasound and it can be done from five stations: (1) the fundus of stomach, (2) body of stomach, (3) duodenal bulb, (4) descending duodenum and (5) antrum. Following down the upper 1/3rd of Common bile duct can do imaging of entire CBD from the liver window and following up the lower 1/3rd of CBD can do imaging of entire CBD from the pancreatic window. This article aims at simplifying the techniques of imaging of Common bile duct by linear endoscopic ultrasound.

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