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Trans-abdominal sonography of the stomach & duodenum

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Trans-abdominal sonography of the stomach & duodenum can reveal many diseases like gastritis & duodenitis, acid gastritis, ulcer, whether it is superficial, deep with risk of impending perforation, perforated, sealed perforation, chronic ulcer & post-healing fibrosis & stricture. polyps & diverticulum, benign intra-mural tumours, intra-mural haematoma, duodenal outlet obstruction due to annular pancreas, gastro-duodenal ascariasis, pancreatic or biliary stents, foreign body, necrotizing gastro-duodenitis, tuberculosis, lesions of ampulla of Vater like prolapsed, benign & infiltrating mass lesions. Neoplastic lesion is usually a segment involvement, & shows irregularly thickened, hypoechoic & aperistaltic wall with loss of normal layering pattern. It is usually a solitary stricture & has eccentric irregular luminal narrowing. It shows loss of normal Gut Signature with enlargement of the involved segment. Shouldering effect at the ends of stricture is most common feature. Enlarged lymphnodes around may be seen. Primary arising from wall itself & secondary are invasion from peri-ampullary malignancy or distant metastasis. All these cases are compared & proved with gold standards like surgery & endoscopy. Some extra efforts taken during all routine or emergent ultrasonography examinations can be an effective non-invasive method to diagnose primarily hitherto unsuspected benign & malignant gastro-intestinal tract lesions, so should be the investigation of choice.

Biography

Vikas Leelavati Balasaheb Jadhav has completed Post-graduation in Radiology in 1994. He has 19 years of experience in the field of gastro-intestinal tract ultrasound & diagnostic as well as therapeutic interventional sonography. He has four Indian Patents and an International Patent published on his name in the field of gastro-intestinal tract sonography & the radiology, since 2008. He has delivered many lectures in Indian as well as International Conferences in nearly 20 countries as an invited guest faculty, since 2000. He is a Consultant Radiologist & Specialist in Unconventional Gastro-Intestinal Tract Ultrasound & Diagnostic as well Therapeutic Interventional Sonologist in Pune, India.

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