

## Ultrasonic Diagnostics of the Localized Peritonitis of the Gastrointestinal Tract «Covered» Perforations (Literature Review)

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### Abstract

Currently it is given not enough attention to the diagnosis of circumscribed peritonitis with the «covered» perforations of the gastrointestinal tract (GIT). This complication occurs in approximately 20 % of patients suffering from common diseases such as gastric ulcer (GU), duodenum peptic ulcer (DPU), diverticular disease (DD), gastrointestinal tumors, postoperative aftereffects. The basic and the most difficult things are to establish the cause of «covered» perforation and to determine further conducting patients tactics, if it will be surgical or conservative treatment accordingly. For this reason it is necessary to use widely in clinical practice the entire arsenal of modern ray non-invasive diagnostic techniques that facilitate timely diagnosis. Ultrasonography (US) is the most affordable, fast, safe and easy for the patient. Its potential is still not fully exploited for the studying of GIT organs state that contains gas. However, special preparation of the patient and an accurate ultrasound study of the greatest pain zone it is highly informative. The diagnostic value of the method increases significantly due to capacity of dot puncture and verification of the detected lesion.

**Key words:** «Covered» Perforations, Ultrasound, Localized Peritonitis.

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