

Key points of the technique of the endoscopic healing method using polyglycolic acid sheet and fibrin glue for artificial gastro - Intestinal ulcer due to ESD. [Japanese]

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Abstract:

Recently, endoscopic treatments have markedly advanced. In Japan, endoscopic submucosal dissection (ESD) has become the standard treatment for early digestive tract cancers, such as esophageal, gastric, and colorectal cancers. The importance of methods of preventing and managing various intra- and postoperative complications has been emphasized. A method of covering the ulcer base with a polyglycolic acid sheet and fibrin adhesive, which we previously reported as a method of preventing perforation after duodenal ESD, is a safe, simple procedure in which the ulcer base is covered with the sheet, which is then fixed with the adhesive. In this method, a polyglycolic acid sheet and fibrin adhesive are used. As instruments, only biopsy forceps and two spraying tubes are required. When attaching the polyglycolic acid sheet, examining the ulcer base after ESD, pretreatment, and the patient's position are important. In this article, we review sheet delivery, sheet-attaching methods, and techniques of adhering the sheet using the fibrin adhesive, and introduce a safe procedure to prevent sheet detachment.