

### **Endoscopic Submucosal Dissection for Early Gastric Cancer: Case Series**

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#### **ABSTRACT**

**Introduction:** Regardless of the technical achievements and treatment options, gastric cancer remains with high incidence and mortality in some parts of the world, including Eastern Europe. In our practice we used Endoscopic Submucosal Dissection (ESD) as treatment of histologically verified early gastric cancer or high-grade dysplasia.

**Patients and Methods:** We performed a retrospective study of 10 patients diagnosed with the above-mentioned lesions without signs of deep mucosal invasion, lymphogenic or metastatic dissemination. All of them underwent ESD resulting in en bloc resection of the process, its extraction and further examination.

**Results:** Data from the en bloc histological examination showed two cases of severe dysplasia and eight lesions positive for cancerous cells. Two of the patients with early gastric cancer were sent for surgical treatment due to deep submucosal infiltration and recurrence on the third month respectively. The other eight subjects have been enlisted in endoscopic control according to the international guidelines for both curative and non-curative ESDs with excellent results.

**Conclusions:** We concluded that ESD is a safe, well-tolerated organ-preserving procedure, when used in the indicated cases and by experienced endoscopist.

**Key words:** endoscopic submucosal dissection, early gastric cancer, high-grade dysplasia