The Necessity of Second-look Endoscopy after Endoscopic Submucosal Dissection for Gastric Neoplasm

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Background & Objectives: The endoscopic submucosal dissection (ESD) is in the spotlight as one of curative method for early gastric cancer. However, management after ESD, such as second-look endoscopy, is a little different among the centers. We evaluate whether second-look endoscopy is effective in the prevention of post-operative bleeding.

Patients and Methods: We prospectively included 509 patients. From August 2009 to August 2010, they were performed ESD in Samsung Medical Center. 193 patients of all subjects routinely took a 2nd look endoscopy at 48 hours after ESD and the others have never experienced second-look endoscopy.

Results: Post-ESD bleeding occurred in 17 patients. 7 patients of them were in 2nd-look endoscopy group. Bleeding within 48 hours happened in 8 cases. The antrum was common bleeding site (64%). 13 patients were treated with H2 receptor antagonist after ESD. The odds ratio for necessity of 2nd-lookd endoscopy for preventing post ESD bleeding was 1.15.

Conclusion: The second-look endoscopy is unnecessary to prevent delayed bleeding.

Key Words: Endoscopic submucosal dissection (ESD), Second-look endoscopy, Delayed bleeding