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### **Endoscopic Treatment of Anastomotic Bleeding in Laparoscopic Colorectal Surgery**

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#### **Abstract**

Bleeding from the stapled line is a rare but potentially lethal complication that requires a proper and immediate management. Treatment for stapled anastomotic hemorrhage may be operative or conservative. We report three cases of anastomotic stapled line bleeding after colorectal surgery successfully treated endoscopically. Laparoscopic High Anterior Resection with a trans anal anastomosis according to Knight-Griffen with circular a stapler was performed for adenocarcinoma, rectal endometriosis and diverticular disease. All three patients had major rectal bleeding within 24 hours from surgery. 1 patients had endoscopy before the end of the surgical procedure. Endoscopic wash out with removal of the clots and infiltration of the bleeding sites along the stapled line with Adrenaline 1 : 10000 (2 ml) was performed achieving a good hemostasis. Early endoscopy is a safe and efficient treatment in colorectal anastomotic bleeding.

**Key words:** endoscopic treatment, anastomotic bleeding, colo-rectal surgery, staple line, clot wash out, adrenaline injection, laparoscopy