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Single-stage procedure in management of uncomplicated acute sigmoid volvulus without colonic lavage

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Introduction & Aim: The management of sigmoid volvulus remains controversial. We aimed to evaluate the postoperative outcome of patients with acute non-complicated sigmoid volvulus managed with resection and anastomosis without preoperative colonic lavage.

Method: From January 2007 to December 2009, 40 patients with uncomplicated sigmoid volvulus underwent bowel decompression, resection and anastomosis without preoperative mechanical colonic preparation.

Result: A total of 40 patients underwent the procedure, one patient developed anastomotic leak. Wound infection was reported in three patients, one death was a result of respiratory failure.

Conclusion: Surgical management of sigmoid volvulus in one step without preoperative colonic lavage is a safe procedure and is recommended for acute cases.

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