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*Retrospective Study*

Comparison of endoscopic stenting for malignant biliary obstruction: A single-center study

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**Abstract**

**AIM:** To evaluate the efficacy and safety of single-step endoscopic placement of self-expandable metallic stents (SEMS) for treatment of obstructive jaundice.

**METHODS:** A retrospective study was performed among 90 patients who underwent transpapillary biliary metallic stent placement for MBO between April 2005 and October 2012. The diagnosis of primary disease and MBO was based on abdominal US, CT, MRI, EUS, ERCP with brush cytology, biopsy, and/or a combination of these modalities. The type of SEMS (covered or non-covered, 8mm or 10mm in diameter) was determined by the endoscopist. Ninety patients were divided into two groups: Group 1 (49 patients) who underwent a single-step SEMS placement and Group 2 (41 patients) who underwent a two-step SEMS placement. The technical success rate, complication rate, stent patency, and patient survival rate were compared between the groups. In addition, to identify the clinical prognostic

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