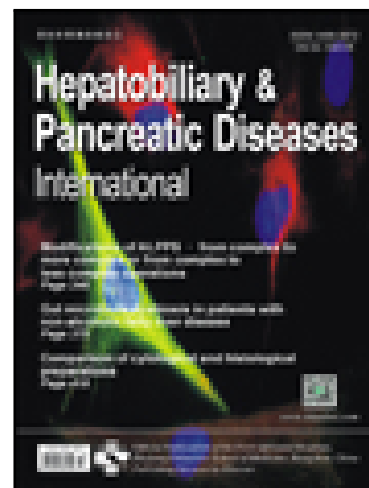


Accepted Manuscript

Management of occluded self-expanding biliary metal stents in malignant biliary disease

Simon Nennstiel , Isolde Tschurtschenthaler , Bruno Neu ,
Hana Algül , Monther Bajbouj , Roland M. Schmid ,
Stefan von Delius , Andreas Weber

PII: S1499-3872(18)30023-7
DOI: [10.1016/j.hbpd.2018.01.016](https://doi.org/10.1016/j.hbpd.2018.01.016)
Reference: HBPD 16



To appear in: *Hepatobiliary & Pancreatic Diseases International*

Please cite this article as: Simon Nennstiel , Isolde Tschurtschenthaler , Bruno Neu , Hana Algül , Monther Bajbouj , Roland M. Schmid , Stefan von Delius , Andreas Weber , Management of occluded self-expanding biliary metal stents in malignant biliary disease, *Hepatobiliary & Pancreatic Diseases International* (2018), doi: [10.1016/j.hbpd.2018.01.016](https://doi.org/10.1016/j.hbpd.2018.01.016)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Management of occluded self-expanding biliary metal stents in malignant biliary disease

Simon Nennstiel, Isolde Tschurtschenthaler, Bruno Neu, Hana Algül, Monther Bajbouj, Roland M Schmid, Stefan von Delius and Andreas Weber

Munich, Germany

Author Affiliations: Klinik und Poliklinik für Innere Medizin II, Klinikum rechts der Isar der Technischen Universität München, Ismaninger Straße 22, Munich 81675, Germany (Nennstiel S, Tschurtschenthaler I, Algül H, Bajbouj M, Schmid RM, von Delius S and Weber A); Medizinische Klinik II, Krankenhaus Landshut-Achdorf, Academic Teaching Hospital, Technische Universität München, Achdorferweg 3, Landshut 84036, Germany (Neu B)

Corresponding Author: Andreas Weber, MD, Klinik und Poliklinik für Innere Medizin II, Klinikum rechts der Isar der Technischen Universität München, Ismaninger Str. 22, Munich 81675, Germany (Tel: +49-89-4140-2250; Fax: +49-89-4140-4871; Email: andreas.weber@mri.tum.de)

© 2018, Hepatobiliary Pancreat Dis Int. All rights reserved.

doi: 10.1016/S1499-3872(17)60090-0

Published online December 26, 2017.

BACKGROUND: Occlusion of self-expanding metal stents (SEMS) in malignant biliary obstruction occurs in up to 40% of patients. This study aimed to compare the different techniques to resolve stent occlusion in our collective of patients.

METHODS: Patients with malignant biliary obstruction and occlusion of biliary metal stent at a tertiary referral endoscopic center were retrospectively identified between April 1, 1994 and May 31, 2014. The clinical records were further analyzed regarding the characteristics of patients, malignant strictures, SEMS, management strategies, stent patency, subsequent interventions, survival time and case charges.

RESULTS: A total of 108 patients with biliary metal stent occlusion were identified. Seventy-nine of these patients were eligible for further analysis. Favored management was plastic stent insertion in 73.4% patients. Second SEMS were inserted in 12.7% patients. Percutaneous transhepatic biliary drainage and mechanical cleansing were conducted in a minority of patients. Further analysis showed no statistically significant difference in median overall secondary stent patency (88 vs 143 days, $P=0.069$), median survival time (95 vs 192 days, $P=0.116$), median subsequent intervention rate (53.4% vs 40.0%, $P=0.501$) and median case charge (€5145 vs €3473, $P=0.803$) for the treatment with a second metal stent insertion compared to plastic stent insertion. In patients with survival time of more than three months, significantly more patients treated with plastic stents needed re-interventions than patients treated with second SEMS (93.3% vs 57.1%, $P=0.037$).

CONCLUSIONS: In malignant biliary strictures, both plastic and metal stent insertions are feasible strategies for the treatment of occluded SEMS. Our data suggest that in palliative biliary stenting, patients especially those with longer expected survival might benefit from second SEMS insertion. Careful patient selection is important to ensure a proper decision for either management strategy.

Download English Version:

<https://daneshyari.com/en/article/8735256>

Download Persian Version:

<https://daneshyari.com/article/8735256>

[Daneshyari.com](https://daneshyari.com)