TYPE OF ARTICLE: Case Series White Paper

TITLE: Novel, Integrated Rapid Exchange Pre-mounted, Single-Plastic Stent, Self-Detaching Delivery System for Biliary Stent Placement: Case Series-Initial Experience.

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INTRODUCTION

Current commercially available biliary stent delivery systems are limited by the loss of guidewire positioning after stent delivery, predominantly seen in cases with difficult ductal access requiring additional intervention following initial stent placement. A novel biliary stent delivery system, with integrated rapid exchange and self-detaching mechanism, has been developed to address those limitations. The initial objectives were to test the success rate of the novel delivery system in real life and human subjects where multiple stents placements were required

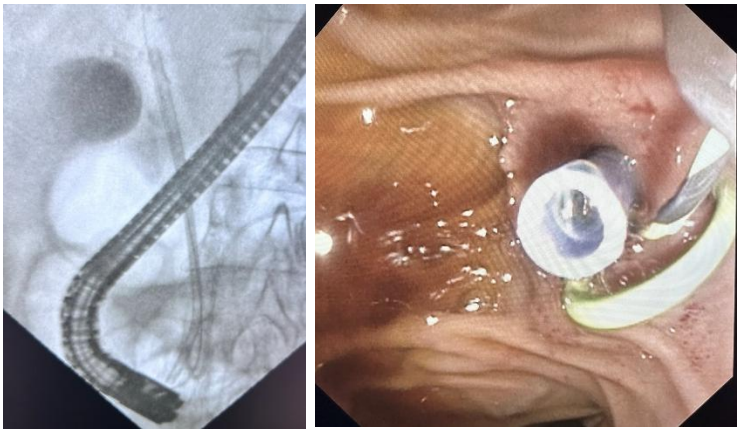
CASE SERIES

In this case series we report a total of 7 patients, Post Liver transplant anastomotic stricture (n= 5), Severe stone disease (n=1) and Gallbladder stone disease (n=1) requiring ERCP procedure and single/multiple stents placement.

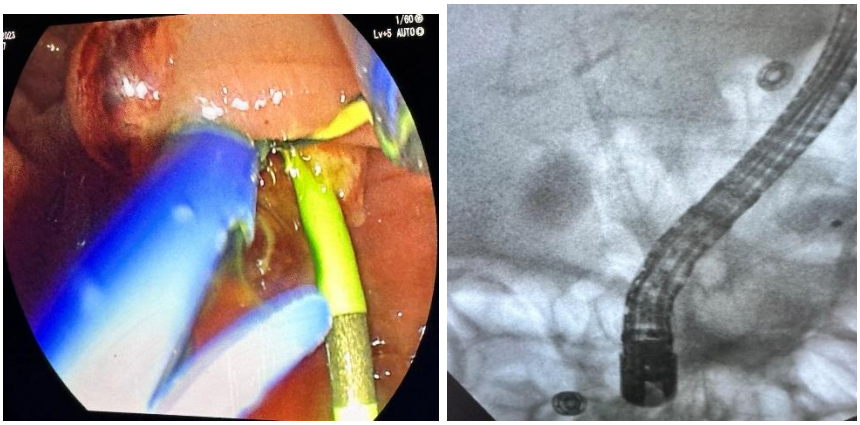
Different biliary stent length ranging between 9-12 cm were deployed with relative ease using the novel integrated rapid exchange and self-detaching delivery mechanism. Furthermore, all stents successfully placed in position without any wire dislocation. The delivery system was rated as easy-to-use, and appears to remain in-situ staying without migration following initial stent delivery.

Post Liver transplant anastomotic stricture

Severe stone disease



Gallbladder stone disease



CONCLUSION

In conclusion in this early experience with the novel integrated rapid exchange and self-detaching delivery system we can definitely say it is safe, easy to use and the results are in the trend of proving a reduction in procedure length, with emphasis in patients who require multiple stenting.

Keywords: Biliary Stent, Pre-mounted, Novel Delivery System, In-situ Wire