

**TYPE OF ARTICLE:** Case Series white paper

**TITLE:** Novel, Integrated Rapid Exchange Pre-mounted, Single-Stent, Self-Detaching Delivery System for Biliary Stent Placement: Case Series of First-in-Human Experience.

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## **INTRODUCTION**

Current commercially available biliary stent delivery systems are limited by loss of guidewire positioning after stent delivery, predominantly seen in cases with difficult ductal access requiring additional intervention following an index stent placement. A novel biliary stent delivery system, with integrated rapid exchange and self-detaching mechanism, has been developed to address these limitations. **(S-PATH system by EndoGI Medical)**. The objectives were to test this delivery system in human subjects for the first time, assessing the success of the stent delivery, the localization of the stent within the bile ducts and post-delivery wire in-situ fixation.

## CASE SERIES

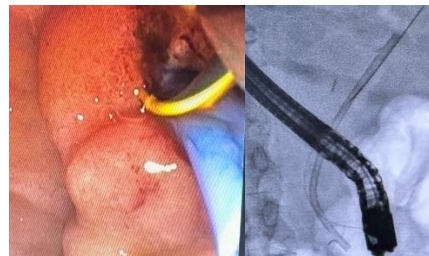
2 patients were undergoing an ERCP (Endoscopic retrograde cholangiopancreatography) with biliary stent placement, due to CBD (common bile duct) obstruction, as a result of a distal tumor (n=1) and post liver transplant anastomotic stricture (n=1), with a novel stent delivery system.

The system was deployed with relative ease with stents successfully placed without wire dislocation. The delivery system was rated as easy-to-use, and appears to remain in-situ staying without migration following index stent delivery.

unclarified tumor



post liver transplant anastomotic stricture



## CONCLUSION

The novel single stent delivery system was successfully handled, deploying a 10FR by 90cm plastic stents. The stents were successfully placed in-situ, with no procedural complications, enhancing procedural simplicity, reducing procedural steps and procedure time while ensuring secure and accurate ductal access and taking recannulation risks down.

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