The Habib™ EndoHPB is a novel endoscopic bipolar radiofrequency (RF) catheter used to ablate tissue in the gastro-intestinal tract.

The Habib™ EndoHPB has received 510(k) clearance by the FDA “to assist in the coagulation of tissue during Endoscopic surgical procedures in the Gastro-intestinal tract”. Endoscopists are using this device on tumours in the bile duct and head of the pancreas for partial tumour destruction prior to stent insertion and to clear occluded metal stents.

The Habib™ EndoHPB has an 8Fr (2.6mm) diameter, 180cm useable length and two stainless steel electrodes at the distal tip. It is compatible with endoscopes that have a working channel of 3.2mm or greater.

The catheter is introduced over a 0.035" guidewire into the common bile duct (CBD) via the Ampulla of Vater, where it is used to heat and ablate tissue. Its electrodes are designed to operate at an efficient energy level and are activated at 10 Watts for only 90 seconds before the device is removed and a stent inserted. The EndoHPB’s safety and efficacy have been established by a growing number of publications in medical journals and the device has been successfully used in hundreds of patients throughout the world with no perforations of the bile duct wall reported.

The Habib™ EndoHPB is manufactured by EMcision in Montreal, Canada and distributed in Switzerland by innoMedicus Ltd.
CLINICAL DATA

A recent clinical trial of 22 patients (16 pancreatic, 6 cholangiocarcinoma) was reported in Gastrointestinal Endoscopy Journal (GIE). The patients were treated with the EndoHPB catheter between January 2009 and April 2010 and the study was conducted to demonstrate safety and report on 90 day biliary patency. Deployment of the catheter was successful in 21 patients. Self Expanding Metal Stent (SEMS) placement was achieved in all cases after deployment of our catheter (Steel et al, GIE 2011;73:149-153).

In another trial, the Imperial College team have also observed a statistically significant improvement in survival at 3 months and 6 months in patients treated with intraductal RF ablation compared to a retrospective cohort treated only with SEMS (pre-publication data).

USAGE

The Habib™ EndoHPB can be used with a range of commonly available RF generators. The purchase of a corresponding adaptor cable is required.

IMPORTANT Prior to use, refer to Instructions for Use supplied with the device for indications, contraindications, adverse effects, suggested procedure, warnings, and precautions.

A 90cm length catheter specifically for percutaneous use is available to order (product number 3700).

PUBLICATIONS


Radiofrequenzablation bei malignen Gallen-gangsstenosen: Eine Publikation – zwei Meinun-gen! (in Austrian German)


PRODUCT NUMBER
6800

FDA STATUS
510(k) Cleared - Class II

SPECIFICATIONS
8Fr (2.6mm), Useable Length 180cm

CE STATUS
Cleared - Class IIb

SHELF LIFE
3 Years

REQUIRED ACCESSORIES
EMcision generator adaptor cable