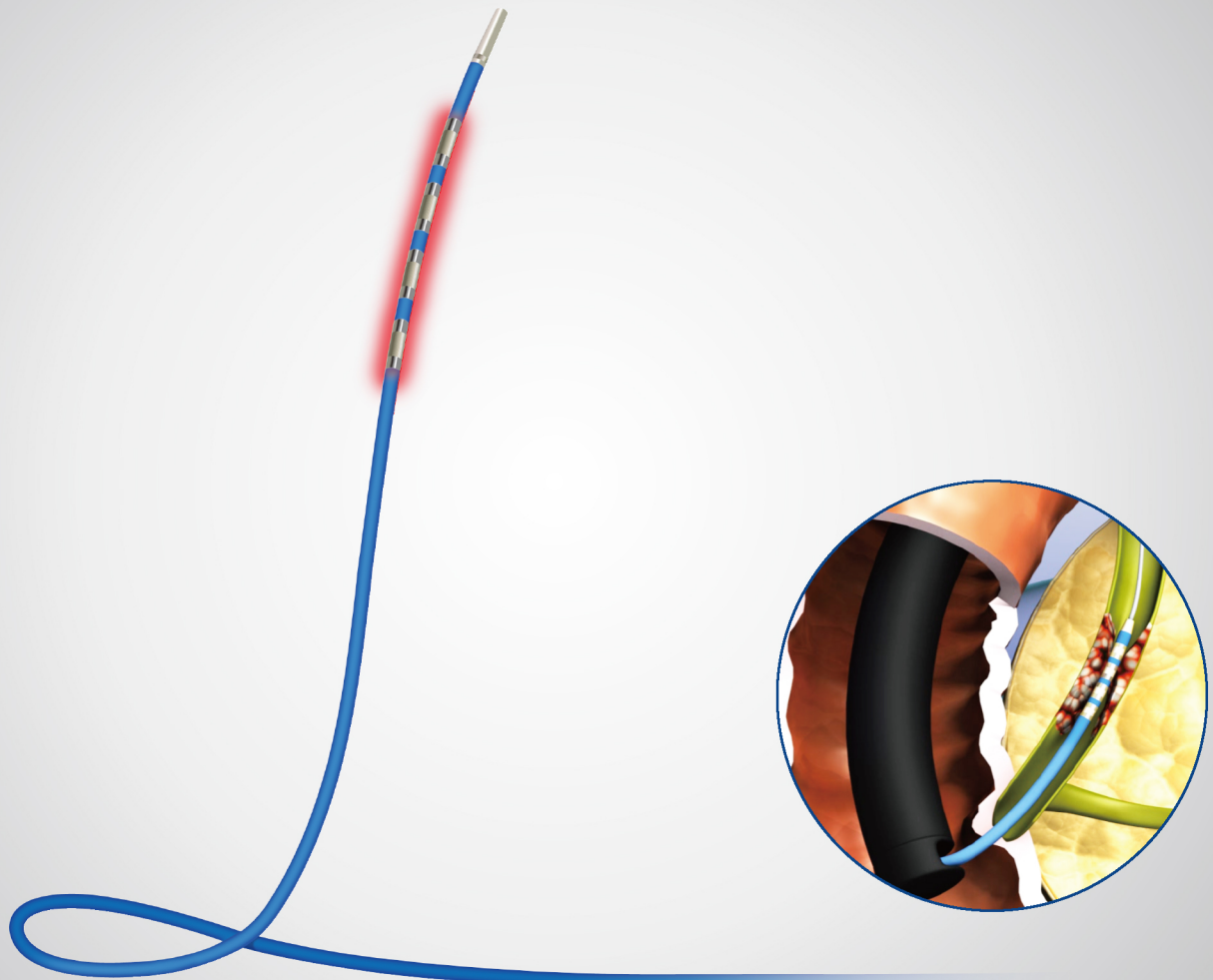


ELRA™

Endo Luminal Radiofrequency Ablation electrode



Global representative 

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Manufacturer 

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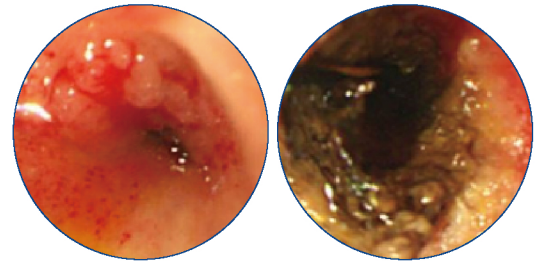
TaeWoong
MEDICAL 



for treating malignant biliary obstruction

Features

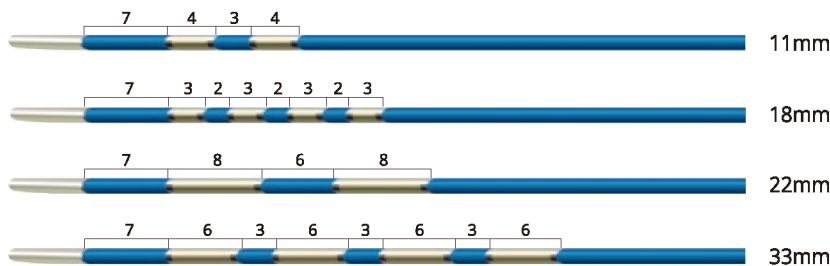
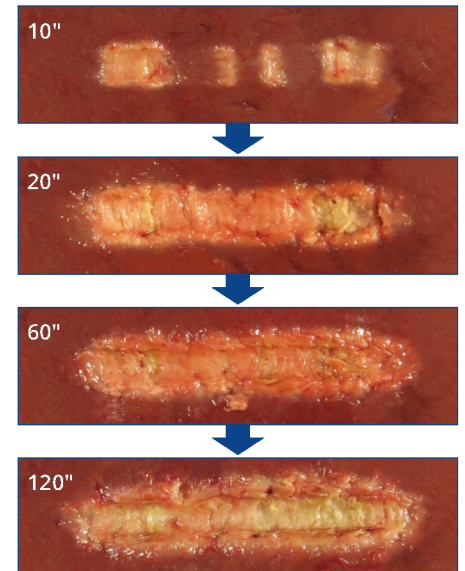
- Equipped with the optimized temperature mode to make safer procedures and to prevent tissue charring and perforation
- Multiple bipolar electrodes to make linear shape ablation
- A bipolar system and single use ONLY
- Both endoscopic and percutaneous approach
- Compatible with the VIVA combo™ generator ONLY
- Available in various sizes



Before Ablation vs After Ablation

Ablation Image (Bovine Liver)

Setting Condition: 75 °C 10watt 2min



Ordering Information

Endoscopic Approach				Percutaneous Approach			
Code	Total Length (cm)	Exposure Length (mm)	Diameter	Code	Total Length (cm)	Exposure Length (mm)	Diameter
7-2B11L	175	11	7Fr (2.31mm)	7-2B11S	40	11	7Fr (2.31mm)
7-4B18L		18		7-4B18S		18	
7-2B22L		22		7-2B22S		22	
7-4B33L		33		7-4B33S		33	

Reference

- The safety of newly developed automatic temperaturecontrolled endobiliary radiofrequency ablation system for malignant biliary strictures: A prospective multicenter study by Yun Nah Lee et al [J Gastroenterol Hepatol. 2019 Aug;34(8):1454-1459]
- A new intraductal radiofrequency ablation device for inoperable biliopancreatic tumors complicated by obstructive jaundice: the IGNITE-1 study by Wim Laleman et al [Endoscopy. 2017 Oct;49(10):977-982]
- Efficacy of endobiliary radiofrequency ablation for malignant distal biliary obstruction: multicenter experience of temperature controlled radiofrequency ablation by Eui Joo Kim et al
- Novel temperature-controlled RFA probe for treatment of blocked metal biliary stents in patients with pancreaticobiliary cancers: initial experience by Nayar ManuK et al [Endosc Int Open. 2018 May;6(5):E513-E517]
- Temperature controlled intraductal radiofrequency ablation for hilar cholangiocarcinoma by Dong Uk Kim [2015 DDW Abstract]
- Safety and effectiveness of endobiliary radiofrequency ablation according to the different power and target temperature in a swine model by Jae Hee Cho et al [J Gastroenterol Hepatol. 2017 Feb;32(2):521-526]