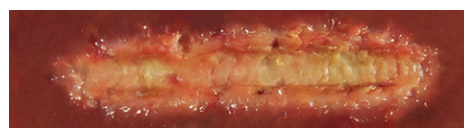


## Features

- Temperature Sensing System to manage consistent temperature of ablation zone
- Prevention of over-application of energy with specialized VIVA Combo™ generator's Impedance Monitoring System
- Various lengths (11mm, 18mm, 22mm, and 33mm) for the different anatomy and geometry of the stricture

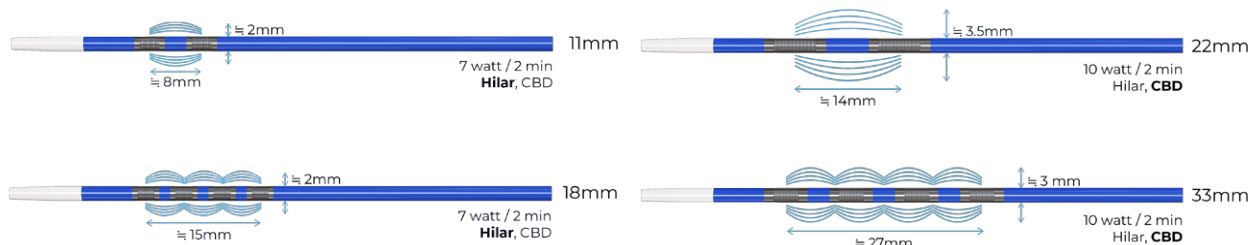
## Ablation Image (Bovine Liver)

Setting Condition: 75°C 10 watt 2 min



## Ablation volume with ELRA™

### Bovine ex-vivo test



## Ordering Information

| Code    | Total Length (cm) | Exposure Length (cm) | Diameter     |
|---------|-------------------|----------------------|--------------|
| 7-2B11L | 175               | 11                   | 7Fr (2.31mm) |
| 7-4B18L |                   | 18                   |              |
| 7-2B22L |                   | 22                   |              |
| 7-4B33L |                   | 33                   |              |

- **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]
- **Effi cacy 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 raidiofrequency 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]

**Caution:** Federal law restricts this device to sale by or on the order of a physician.

**INTENDED USE:** The ELRA Electrode is a radiofrequency (RF) catheter which provides bipolar energy to perform partial or complete ablation of tissue in the pancreatic and biliary tracts.

**CAUTIONS:** Reuse is prohibited; Designed to be used by a qualifi ed and trained Medical doctor, Do not touch the exposed tip of electrode while power supply is on; Do not touch hand piece/electrode cable with metallic materials; Do not use when cardiac pacemaker is placed within 4 meters; Do not use near conductive materials such as part of metallic bed or spring embedded mattress; Do not use in the presence of flammable anesthetics, oxidation-reduction gases or any other fl ammable substances. It might be a cause of fi re in the electro surgical unit.

**POTENTIAL COMPLICATIONS:** Burning by overheating of surgical unit; Side effects or cross infection from reuse; Weakness of liver functions; Delayed bleeding in the operated body parts; Recurrence of cancer; Symptoms after RFA treatment include: Perforation, Respiratory depression or arrest.

See Instructions for use and User's guide for full product information.