EUSRA™

Endoscopic Ultra Sound guided Radiofrequency Ablation electrode



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EUSRA™ for EUS-guided RFA treatment

EUSRA™ RF Electrode



Porcine Pancreas EX-vivo (Ablation volume with EUSRA™ 19 Gauge)

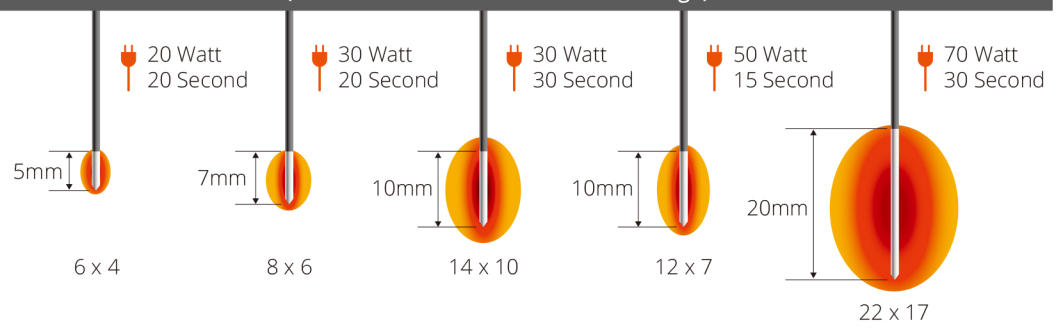
Dimension & Specification

Power Set (Watt)
Duration of Ablation (Second)

Width (mm)

Depth (mm)

Depth x Width (mm)



*Ablation time: until EUS echogenic bubble is formed
*Ablation volume is dependent upon status, temperature and humidity of tissue

Ordering Information

EUS Approach			
Code	**Length of Active Tip (mm)**	**Length of Flexible Sheath (mm)**	**Tip Diameter**
19-**E	5, 7, 10, 15, 20, 25, 30	1415 ± 10 (Adjustered at "3")	19G

Features

- Feasible and safe ablative treatment for locally advanced unresectable pancreatic cancer, neuroendocrine tumors, and cystic neoplasms
- Easy approach to target lesions with a great pushability of the needle
- Good echogenicity for safe procedure under EUS-guidance
- Inner cooling system to ablate large volumes of tumor without tissue charring
- A monopolar system
- Compatible with VIVA Combo™ generators ONLY

Reference

- EUS-guided radiofrequency ablation for management of pancreatic insulinoma by using a novel needle electrode
  by Sundeep Lakhtakia et al [Gastrointest Endosc. 2016 Jan;83(1):234-9]
- Initial experience of EUS-guided radiofrequency ablation of unresectable pancreatic cancer
  by Tae Jun Song et al [Gastrointest Endosc. 2016 Feb;83(2):440-3]
- EUS-guided Radiofrequency Ablation (EUS-RFA) of Solid Pancreatic Neoplasm Using an 18-gauge Needle Electrode: Feasibility, Safety, and Technical Success
  by Stefano Francesco Crinò et al [J Gastrointestin Liver Dis. 2018 Mar;27(1):67-72]
- Technique, safety, and feasibility of EUS-guided radiofrequency ablation in unresectable pancreatic cancer
  by Filippo Scopelliti et al [Surg Endosc. 2018 May 15]
- Endoscopic ultrasound-guided radiofrequency ablation for management of benign solid pancreatic tumors
  by Choi Jun-Ho et al [Endoscopy. 2018 May 4]
- Endoscopic ultrasound-guided radiofrequency ablation for pancreatic neuroendocrine tumors and pancreatic cystic neoplasms: a prospective multicenter study
  by Marc Barthet et al [Endoscopy. 2019 Jan 22]

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