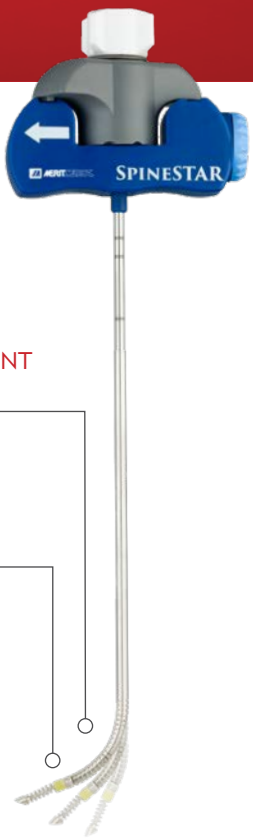
MERIT MEDICAL®

Navigate Ablation with STAR™

STAR™
TUMOR ABLATION SYSTEM

Confidently treat metastatic spinal tumors with the STAR Tumor Ablation System using targeted radiofrequency ablation (t-RFA)

STAR™
TUMOR ABLATION SYSTEM



The STAR Tumor Ablation System delivers meaningful pain relief and localized destruction of metastatic malignant lesions within the vertebral body.[1-4] It consists of the steerable bipolar SpineSTAR® Ablation Instrument for navigation within the vertebral body and the MetaSTAR® RF Generator to confirm and quantify ablation zones during treatment.

Jack Jennings, MD, PhD*
Mallinckrodt Institute, Siteman Cancer Center, Washington University

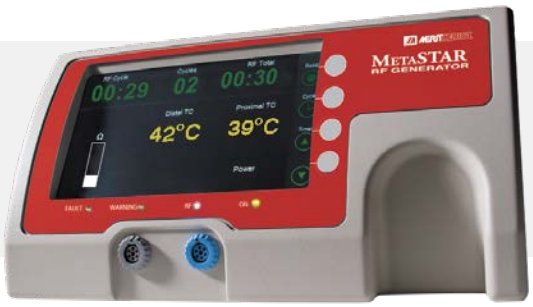
"There are a number of unique features of the [SpineSTAR] device that I find clinically important. The number and location of thermocouples allow accurate, intraprocedural, real-time assessment of the ablation zone. The articulating distal segment can be curved in various projections providing optimal lesion access, essential for accessing and ablating tumor in the posterior central vertebral body, which is involved in >95% of vertebral metastases.[2,5]"

SPINESTAR ABLATION INSTRUMENT

Embedded Thermocouples
Provide real-time feedback to quantify, adjust, and confirm the ablation zone intra-operatively, to assist in preventing damage to neural elements.[3]

Articulating Electrodes
Offer steerability and control to achieve and maintain the optimal location within the vertebral body, including the posterior central regions.[2]

MetaSTAR
RF Generator



Real-time thermocouple temperature display

Multiple Power Levels
- 3W, 5W, 7.5W, and 10W
- Efficiently deliver radiofrequency (RF) energy to tissue while reducing potential for char

STAR TUMOR ABLATION SYSTEM ORDERING INFORMATION

Product Number	Product Descriptions	Specifications/Components
3544 (5/10 SHORT) 3192 (10/15 SHORT) STR-0510L (5/10 LONG) STR-1015L (10/15 LONG)	**SPINESTAR® ABLATION INSTRUMENT**	11 gauge | 15.5 cm maximum reach (short instrument) | 17.5 cm maximum reach (long instrument) | 3192 and STR-1015L Thermocouple configuration: 10 & 15 mm | 3544 and STR-0510L Thermocouple configuration: 5 & 10 mm
RF-0510S-01 (5/10 short) RF-1015S-01 (10/15 short) RF-0510L-01 (5/10 long) RF-1015L-01 (10/15 long)	**STAR™ TUMOR ABLATION KIT**	SpineSTAR® Ablation Instrument | 5/10mm or 10/15mm (Thermocouple configuration) | StabiliT® Introducer (Bevel tip and Diamond tip) | VertecoR® Straightline Cement Staging Osteotome | PowerCURVE® Navigational Osteotome | AE Cable (approx. 10 feet) | Hand Switch Cable (approx. 10 feet)
3195	**METASTAR® RF GENERATOR**	**Power Input:** Universal 100-240V AC 50/60Hz
		Power Outputs: 3W, 5W, 7.5W, and 10W | Frequency of 480kHz | 20Ω-1000Ω impedance load
		Weight: 6.6 lbs
		Dimensions: 18"(L) x 11"(W) x 6"(H)
R3195	**METASTAR® RF GENERATOR**	Daily Rental
W3195-1Y	**METASTAR® RF GENERATOR**	Extended Warranty, 1 year
W3195-2Y	**METASTAR® RF GENERATOR**	Extended Warranty, 2 year

*Paid consultant of Merit Medical.

References: 1. Anchala PR et al. Pain Physician 2014 2. Hillen TJ et al. Radiology 2014 3. Bagla S et al. Cardiovasc Intervent Radiol 2016 4. Reyes M et al. J Neurointerv Surg 2018 5. Algra PR et al. Am J Roentgenol 1992

Risks and Contraindications: As with most surgical procedures, there are risks associated with the STAR procedure, including serious complications. For complete information regarding risks, contraindications, warnings, and precautions, please review the system's Instructions for Use.

Before using refer to Instructions for Use for indications, contraindications, warnings, precautions, and directions for use.

MERIT MEDICAL®
Understand. Innovate. Deliver.™

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