STAR™
TUMOR ABLATION SYSTEM

Treating Metastatic Spinal Tumors

with targeted radiofrequency ablation (t-RFA)
using the STAR™ Tumor Ablation System

DFINE

"[As oncologists] our goals are to extend their life but also to improve their quality of life . . . Patients that have spinal metastatic disease present with pain . . . that compromises their quality of life [and] their everyday care."

Dr. Virginia Kaklamani, *Medical Oncologist*
Northwestern University, Chicago, IL

STAR™ Tumor Ablation System

Rapid pain relief + localized tumor destruction

Providing fast and durable relief from painful metastatic spinal lesions is now possible with minimally invasive targeted radiofrequency ablation (t-RFA).

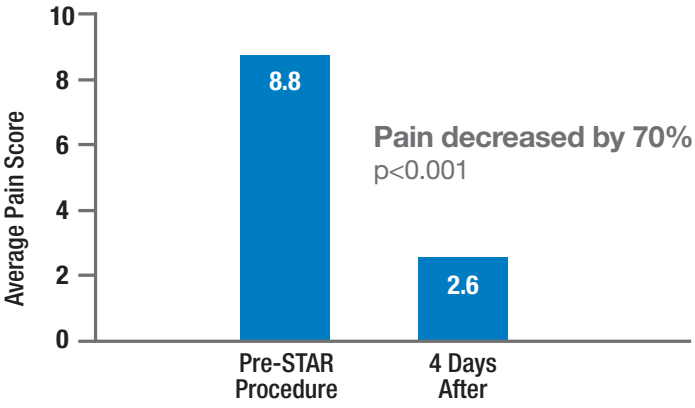
Using the STAR Tumor Ablation System, t-RFA delivers meaningful pain relief and localized tumor destruction in a single treatment, often in an outpatient setting.

With the STAR System, physicians have the control to create site-specific ablation zones and monitor real-time ablation zone development within the vertebral body.

Compatible with systemic therapies, t-RFA expands the range of treatment options for patients with painful spinal tumors.

Meaningful Clinical Outcomes

Clinical data show that rapid and meaningful pain relief from metastatic spinal tumors is a reality for patients who receive t-RFA using the STAR System.



This prospective study included 12 treated lesions in 10 patients who had failed conventional chemotherapy and radiation therapy. All patients reported "a significant decrease in pain shortly after treatment."

Source: Dhand, et al., JVIR 2013.24(7): p.1077-78
www.jvir.org/article/S1051-0443(13)00968-8/abstract

". . . I had excruciating pain. After the procedure, the pain was gone . . . Within days, I could swim and dance. I could do all the things I love . . . it really was a miracle."

Steve Booth, *Cancer Patient*
Rancho Mirage, CA

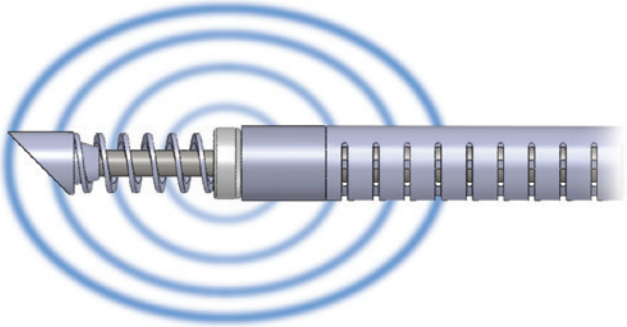
A desirable combination of therapeutic advantages for your patients

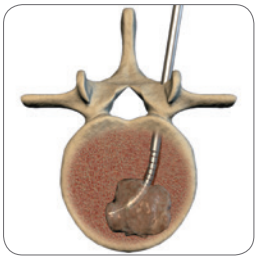
Focus on treatment of primary cancer | By quickly addressing painful metastatic disease, targeted Radiofrequency Ablation (t-RFA) allows patients and care teams to concentrate on primary cancer treatments.

Rapid Pain Relief | The STAR System enables a single, minimally invasive procedure that can provide rapid, durable pain relief and localized tumor destruction.

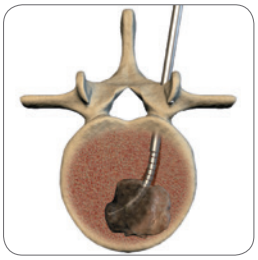
Treatment Compatibility | t-RFA is non-toxic, thereby allowing patients to continue their current systemic treatment uninterrupted.

Increased Options | The STAR System offers a treatment path for patients with limited options, including those with radio-resistant tumors or who have reached their radiation dose limits.





Device placed.



RF energy delivered.

Tumor ablated.

Targeted therapy for fast, local control

The SpineSTAR Ablation Instrument, a component of the STAR System, is a small steerable device that is inserted into the vertebra to deliver targeted RF energy to the tumor.

RF energy heats and destroys metastatic tumor cells, while temperature sensors within the SpineSTAR continuously monitor and display temperature to minimize patient risk.

"[Patients with metastatic spinal tumors] are not as able to tolerate the treatment that's supposed to put the cancer in remission . . . It affects them in many different ways."

Dr. Goetz Kloecker, *Medical Oncologist*
University of Louisville, Louisville, KY

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