

# STEERABLE SPINE SOLUTIONS

Discover a more targeted therapy using the first and only steerable portfolio for Vertebral Augmentation and RF Ablation

Merit SPINE's unique steerable technology enables clinicians to target and treat spinal pathologies with precision and control. Achieve predictable outcomes using steerable instruments for channel creation, cavity creation, and RF Ablation, via unipedicular access.

## Advantages of the Merit SPINE portfolio:

### UNIPEDICULAR ACCESS:

- Minimize incision and access-related morbidity.<sup>1,2,3</sup>
- Reduce procedure and imaging time.<sup>2</sup>

### STEERABLE CAVITY CREATION AND RF ABLATION:

- Navigate complex anatomies.
- Change trajectory past the pedicle-body junction.<sup>4</sup>
- Reach contralateral, anterior, and posterior regions of the vertebral body.<sup>4</sup>

### CEMENT DELIVERY:

- Optimize targeted cement deposition and volume.
- Deliver variable viscosity cement with an extended working time.



# RETHINK YOUR SPINAL THERAPY STRATEGY



## CHANNEL CREATION

### PowerCURVE® Steerable Osteotome

Create preferential pathways for targeted therapy using the only steerable osteotome for vertebral pathologies. This intuitive design allows for minimally invasive VCF stabilization via unipedicular access, while preserving intact cancellous bone.



## CAVITY CREATION

### ARCADIA™ Steerable Balloon Catheter

A revolutionary procedural solution, the ARCADIA Steerable Balloon Catheter offers steerable technology to create a bipedicular footprint via unipedicular access, while a large volume balloon enables superior cavity creation in the coronal plane for optimal cement fill. Low-compliance helps maintain balloon shape and reduce potential for balloon rupture.



## CEMENT DELIVERY

### ARCADIA™ Curved Delivery Cannula

Complements the steerable capabilities of the PowerCURVE® Steerable Osteotome and ARCADIA™ Steerable Balloon Catheter, providing the trifecta of treatment for targeted cement delivery. The pre-curved nitinol cannula allows for predictable cement deposition across midline, optimizing cement volume, while potentially reducing the need for bipedicular access.



## FRACTURE STABILIZATION

### StabiliT® Bone Cement

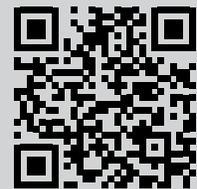
StabiliT® high-viscosity bone cement with an extended working time of 35+ minutes, provides procedural flexibility and controlled delivery. The proprietary vacuum-based Saturate Mixing System allows for quick and simple set-up.



## RADIOFREQUENCY ABLATION

### STAR™ Tumor Ablation System

Confidently target and treat metastatic spinal tumors with the STAR System. Articulating bipolar probes allow modification of trajectory within the vertebral body. Thermocouples, embedded along the shaft, provide real-time feedback to quantify, adjust, and confirm the ablation zone intra-operatively.



## EXPLORE MORE

Access additional product benefits, safety information, and instructions for use.

## REFERENCES

1. Tsoumakidou G et al. Cardiovasc Intervent Radiol 2017;40(3):331-342. 2. Sun H et al. Pain Physician 2016;19(8):551-563 3. Ong K et al. Osteoporos Int 2019;29(2):375-383. 4. Filippiadis D, Kelekis A. Eur J Orthop Surg Traumatol. 2021\_31(8):1603-1610.

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



Understand. Innovate. Deliver.™

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