

Medtronic

Maximize the day

Lab efficiency analyses based on the SPHERE Per-AF trial data

No surprises

More predictable procedure time,
less overtime^{†,1}



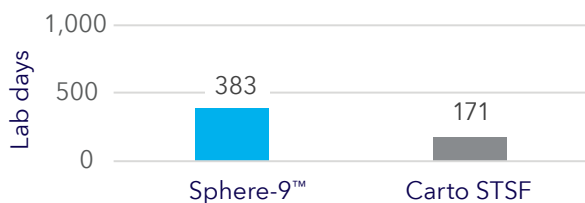
Dual energy wide area focal catheter

90% less in cumulative overtime hours to complete three cases, compared to THERMOCOOL SMARTTOUCH[®] SF with CARTO[®] mapping system (Carto STSF)^{†,1}

45% increase in days with time for an additional non-ablation case, compared to Carto STSF.^{†,1}

No stay

Enabled same-day discharge²



Additional days with third case same-day discharge modeled over 1,000 lab days^{†,1}

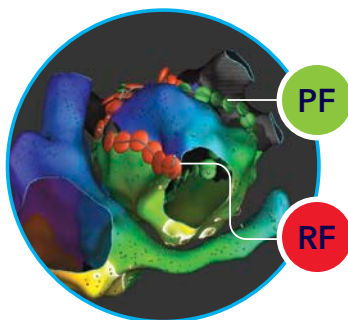
Same-day discharge achieved in the SPHERE Per-AF trial, with no significant differences in outcomes compared to Carto STSF²

55% increase in days that allowed for third case same-day discharge, compared to Carto STSF^{†,1}

No fluoro

For potentially less impact on patients and staff³

All-in-one
Sphere-9™ catheter
Map | Ablate | Validate



0 primary safety events in zero-fluoro cases³

Lower fluoro use conventional-fluoro users achieved lower fluoroscopy times with the Sphere-9™ catheter compared to their control use³

[†] Based on a discrete event simulation of 1,000 lab days using the SPHERE Per-AF trial data. These are not endpoints from the SPHERE Per-AF study, but rather hypothetical modeling based on the data generated from the SPHERE Per-AF study.

1. Mountantonakis S, et al. Electrophysiology Lab Efficiency: A comparison Between a Novel Dual-Energy Lattice-Tip Ablation System and a Conventional Contact-Force Sensing Radiofrequency Ablation System. AF Symposium; January 16-18, 2025; Boston, MA.
2. Taigen T, et al. Same Day Discharge can be Performed Safely after AF Catheter Ablation using a Wide-Footprint Lattice-Tip Dual-Energy System. AF Symposium; January 16-18, 2025; Boston, MA.
3. Nair DG, et al. Impact of a Fully Integrated Wide-Footprint Lattice-Tip Dual-Energy Mapping and Ablation System on Fluoroscopy Usage. AF Symposium; January 16-18, 2025; Boston, MA.

This material should not be considered the exclusive source of information, it does not replace or supersede information contained in the device manual(s). Please note that the intended use of a product may vary depending on geographical approvals. See the device manual(s) for detailed information regarding the intended use, the implant procedure, indications, contraindications, warnings, precautions, and potential adverse events. For an MRI compatible device(s), consult the MRI information in the device manual(s) before performing an MRI. If a device is eligible for eIFU usage, instructions for use can be found at Medtronic's website: manuals.medtronic.com. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

Medtronic products placed on European markets bear the CE mark and the UKCA mark (if applicable). For any further information, contact your local Medtronic representative and/or consult Medtronic's websites.



medtronic.com/manuals

Adobe and Acrobat Reader are registered trademarks of Adobe Systems incorporated in the United States and/or other countries.

©2025 Medtronic. Medtronic, Medtronic logo, and Engineering the extraordinary are trademarks of Medtronic.™™Third-party brands are trademarks of their respective owners. All other brands are trademarks of a Medtronic company.

Medtronic

Europe

Medtronic International Trading Sàrl.
Route du Molliiau 31
Case postale
CH-1131 Tolochenaz
medtronic.eu
Tel: +41 0 21 802 70 00
Fax: +41 0 21 802 79 00

United Kingdom/Ireland

Medtronic Limited
Building 9
Croxley Green Business Park
Hatters Lane
Watford
Herts WD18 8WW
medtronic.co.uk
Tel: +44 0 1923 212213
Fax: +44 0 1923 241004