Rethink single shot

The new sphere in ablation

Sphere-360™

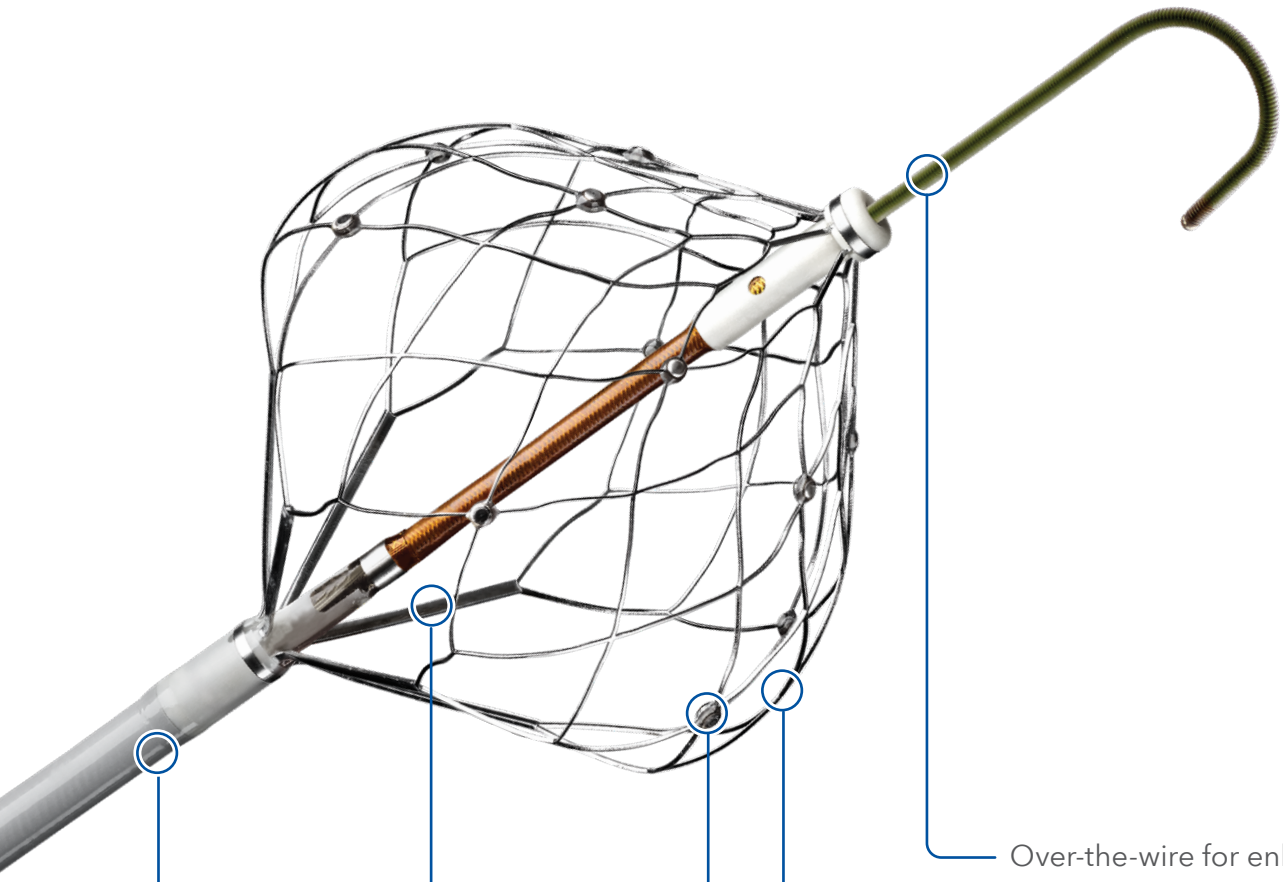
pulsed field ablation catheter

Full circle ablation | 360 integration | Consistent outcomes

Medtronic

Single shot PFA system designed for your workflow

Sphere-360 pulsed field ablation (PFA) single shot catheter delivers full circle ablation for safe, durable, and effective[1] treatment of patients with paroxysmal atrial fibrillation.



Over-the-wire for enhanced stability

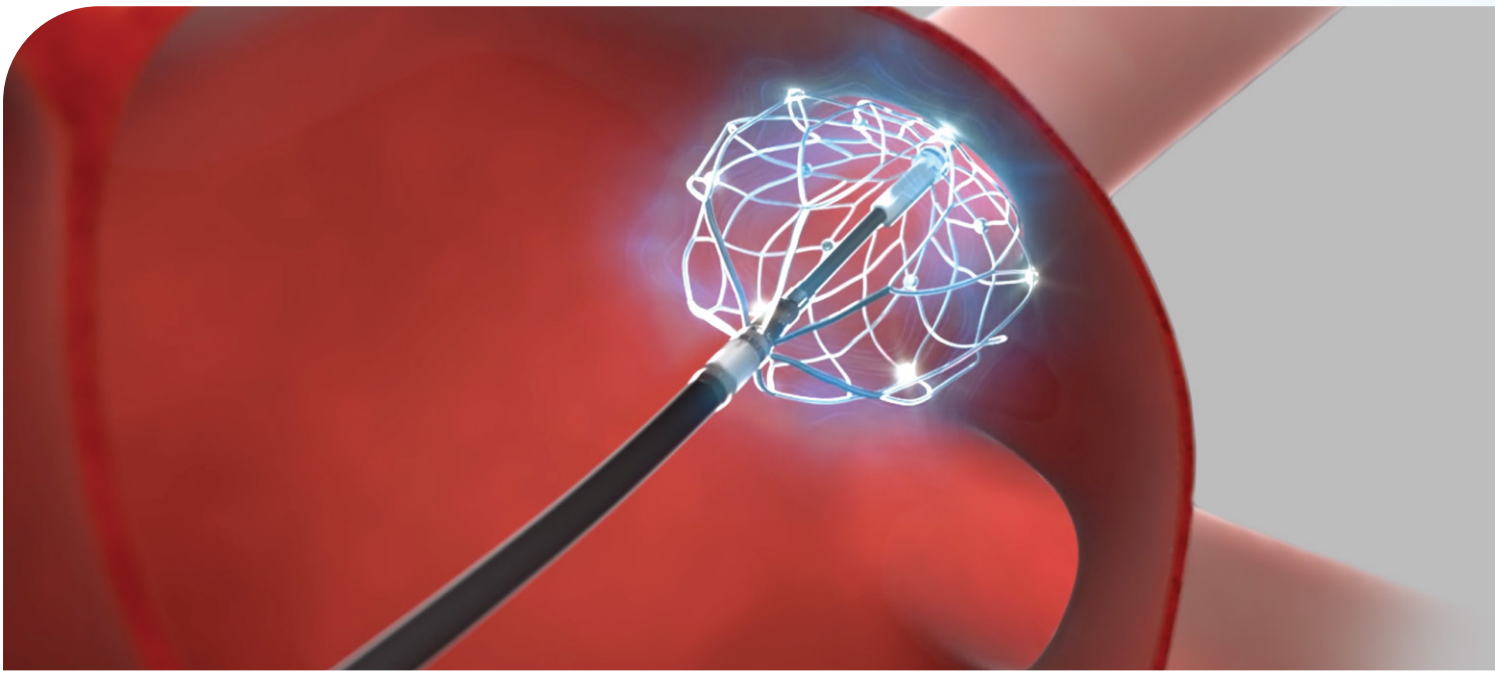
Conformable lattice expandable to 34 mm

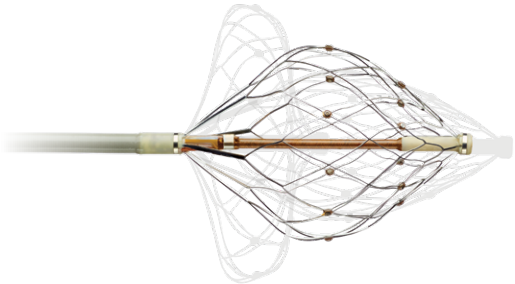
Mini electrode pairs enable mapping and stimulation

Electromagnetic sensors for tracking and shape visualization

Compatible with a 10 Fr deflectable sheath

Full circle ablation.
No rotation.





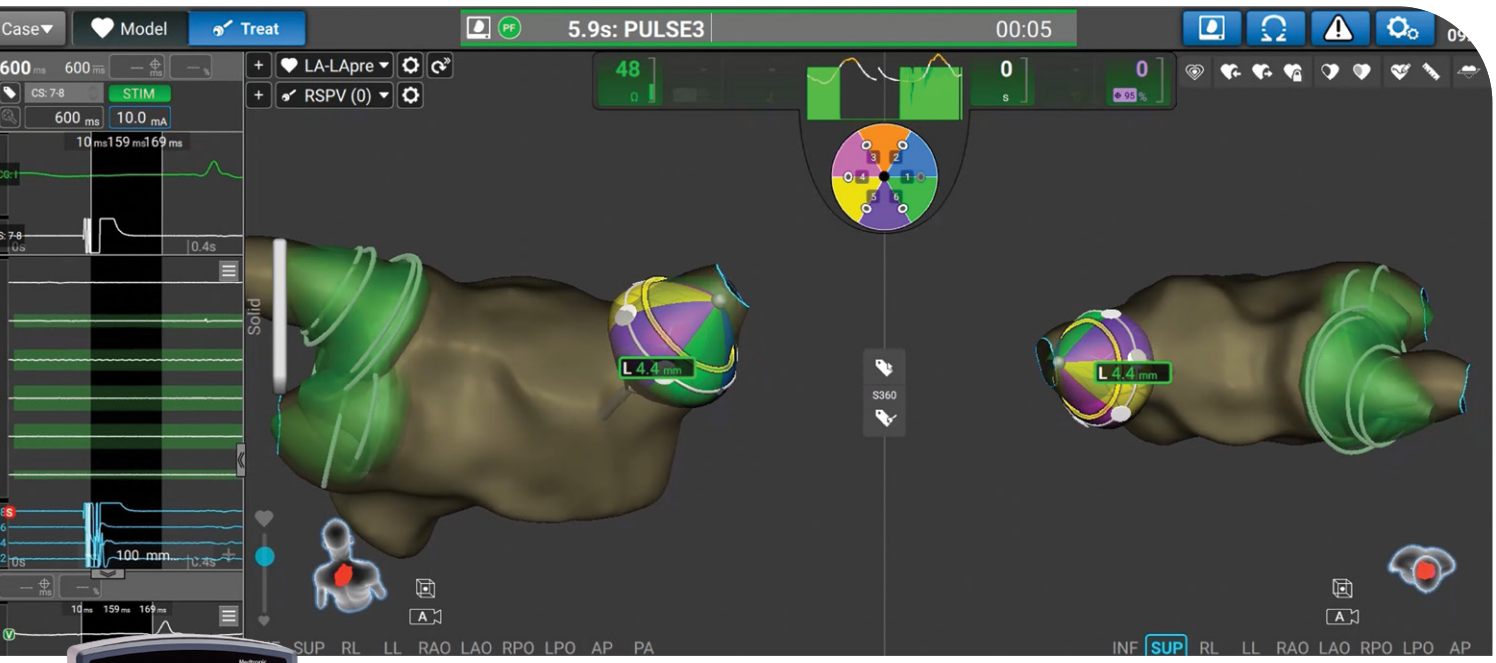
Adapts to anatomy: Seamlessly adjusts between a linear and disc shape to treat anatomies of various sizes

Conformable lattice: Atraumatic nitinol lattice adjusts to shape of the vein.

Unipolar design: Six panels independently and sequentially energized, delivering uniform energy regardless of shape

Span360™ lesions: Delivers circumferential ablation with no rotation – requiring only four applications per vein

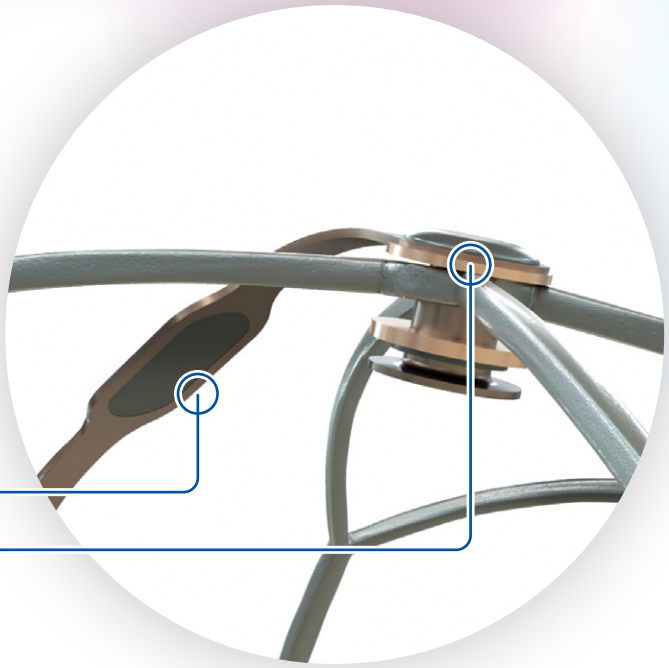
360 integration.
Zero exchange.



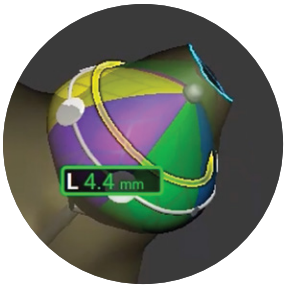
Exclusively integrated with the Affera™ system, the Sphere-360 PFA catheter is an all-in-one system that provides navigation, mapping, and ablation in a single catheter.

Affera
mapping and ablation system

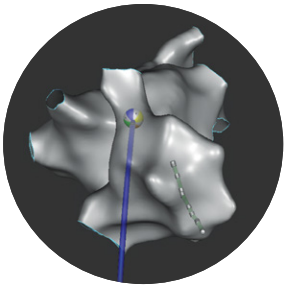
Six mini electrode pairs to eliminate far-field EGMs for voltage and activation mapping.



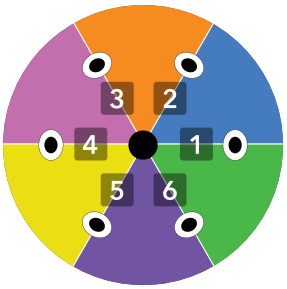
Refined insights with Prism-2 software



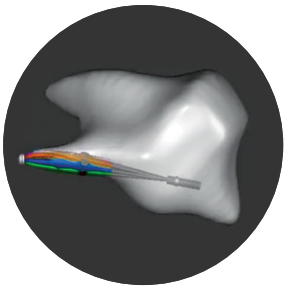
Lesion creation
Receive instant insights about catheter orientation and lesion location.



Synergy navigation
Gain visualization of non-sensor-based catheters.

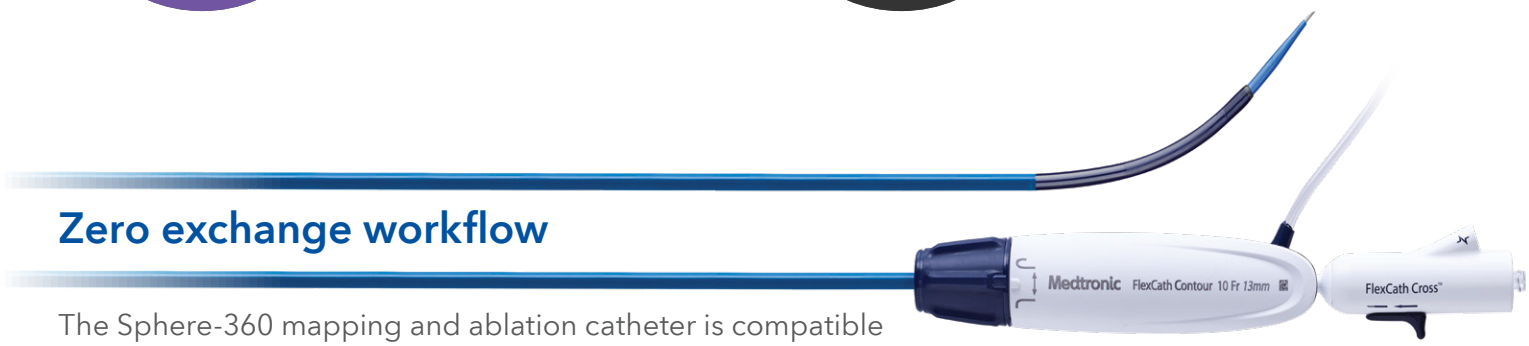


AfferaTouch™ feature
Real-time local impedance providing tissue proximity feedback.



Low- to zero-fluoro
Locate ablation targets with minimal reliance on fluoroscopy.

Zero exchange workflow



The Sphere-360 mapping and ablation catheter is compatible with the zero exchange and single transseptal puncture workflows enabled by FlexCath Contour™ steerable sheath and FlexCath Cross™ transseptal solution.

Consistent outcomes. Full confidence.[1]

The Sphere-360 catheter delivers predictable workflows and lasting results across centers – with reliability and confidence in your procedures.

Lasting results

98% per PV durability (75-day remap)†

88% efficacy (one-year follow-up)†

Unmatched safety

0 primary safety events‡

No occurrence of coronary spasm, phrenic nerve injury, esophageal events, PV stenosis, TIA, stroke, or acute kidney injury. (N = 100)

Enhanced efficiency§

4 applications per PV

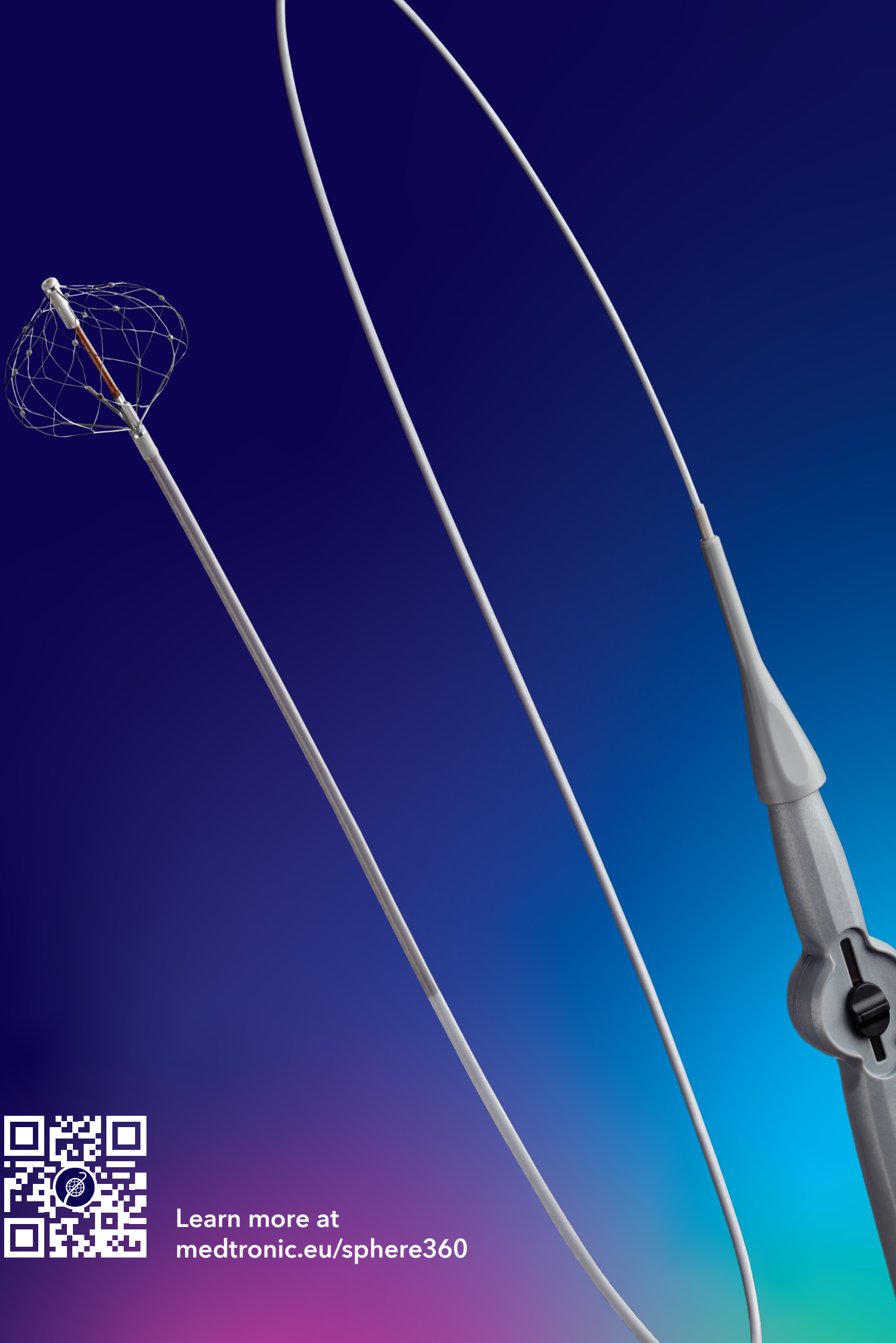
5.9 sec per application

22 min LA dwell time

< 6 min mapping time

< 12 min PV transpired time

< 7 min fluoroscopy time◊



Learn more at
medtronic.eu/sphere360

† Fifty patients treated with the PULSE3 optimized and most recent waveform configuration, 40 of which completed the optional remapping procedure.

‡ See manuscript for all adverse event incidence.

§ Total cohort N = 100.

◊ Four patients done with 0 fluoro; 26 patients with less than or equal to three minutes of fluoro.

1. Reddy VY, Peichl P, Kautzner J, et al. One-year outcomes of a conformable single-shot pulsed-field ablation catheter for the treatment of paroxysmal atrial fibrillation. *Heart Rhythm*. October 2025;22(10):2551–2561.

Medtronic

Europe
Medtronic International Trading Sàrl.
Route du Molliau 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

MC-SE-2600001 v2.0
05/2026

medtronic.eu