Setting a new standard in safety.[5]

Engineered for efficiency.

PulseSelect™
Pulsed Field Ablation (PFA) System

Medtronic

PulseSelect™

Pulsed Field Ablation System

Setting a new standard in safety[5]

Differentiated system safety features

Developed over 15 years of PFA research

Automatic overcurrent detection for safe energy delivery

R-wave gating for synchronization of energy delivery

Test pulse for proximity detection to phrenic nerve

PulseSelect Pulsed Field Ablation Loop Catheter

FlexCath Contour™ Steerable Sheath (10 Fr)

Unmatched safety[2,3]

Engineered with differentiated safety features from 15 years of PFA research, and backed by the results of one of the safest IDE AF ablation trials to date.[2]

Consistent efficiency

Rapid, effective PVI[2] through consistent and predictable energy delivery and catheter maneuverability.

Simplified adaptability[3]

Seamless transition to PFA with freedom to adapt to your preferred workflow.

Indicated for use in drug refractory, recurrent, symptomatic paroxysmal (PAF) and persistent (PsAF) patients.

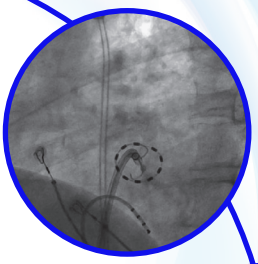
Engineered for efficiency

PulseSelect™
Pulsed Field Ablation Loop Catheter

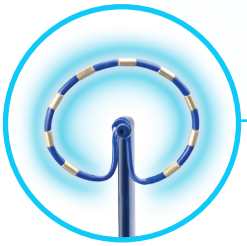
9 electrodes built to **sense, ablate, and pace**

25 mm diameter loop

9 Fr shaft with bidirectional steering



Fixed electrode spacing
to produce predictable, consistent, and contiguous energy delivery[5]

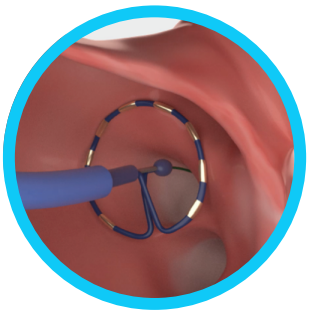


20-degree forward tilt
to ensure consistent uniform tissue contact[5]

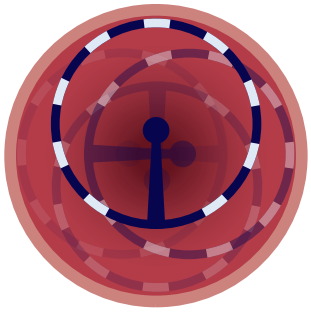
Full catheter visualization on existing mapping systems and imaging tools[2]

Intuitive stepwise approach to PVI†

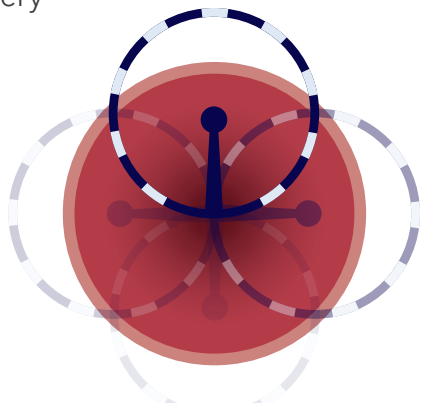
All pulmonary veins isolated in less than 30 seconds of total energy delivery[3]



Over-the-wire
for enhanced stability and self-centering control



Ostial applications
Stepwise catheter rotation for overlapping lesions



Antral applications
Stepwise catheter rotation for overlapping lesions

†Operators targeted pulmonary vein isolation using a wide antral approach during PULSED AF procedures.

PULSED AF[2]

Trial design

Paired single arm. Prospective, non-randomized, Global IDE clinical study.

9 countries
41 sites
67 operators
300 PFA subjects

0 Esophageal events

0 PV stenosis

0 Phrenic nerve injury

0 Coronary spasm noted

Total of 13 adverse events measured, resulted in 1 cerebrovascular accident and 1 tamponade.

0.7%
primary safety event rate
One of the lowest safety event rates of any atrial fibrillation technology to-date.

Proven efficacy

Freedom from AF/AFL/AT

70% PAF

62% PsAF

Consistent efficiency

Left atrial dwell time **50 minutes or under** when excluding the 20-minute trial-mandated wait period.[4]

65 **(± 29) minutes** PAF

70 **(± 29) minutes** PsAF

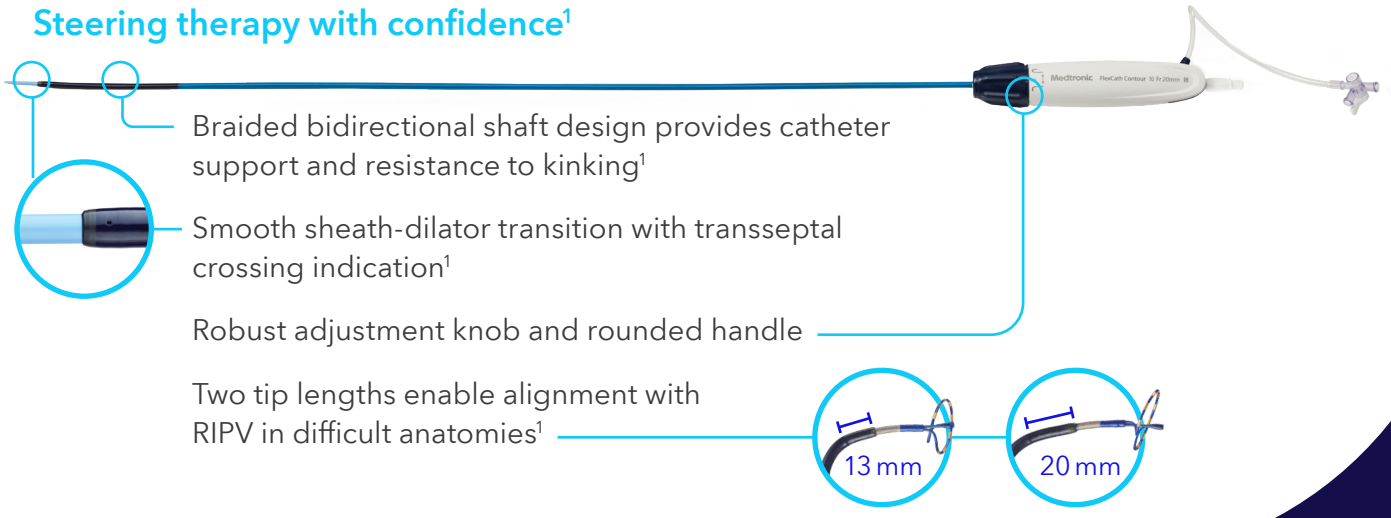
1st PFA IDE trial completed

Only PFA IDE trial to demonstrate efficacy for **both PAF and PsAF patients.**

FlexCath Contour™

Steerable Sheath – 10 Fr

Steering therapy with confidence[1]



Braided bidirectional shaft design provides catheter support and resistance to kinking[1]

Smooth sheath-dilator transition with transseptal crossing indication[1]

Robust adjustment knob and rounded handle

Two tip lengths enable alignment with RIPV in difficult anatomies[1]

1 Medtronic data on file. 2024.
2 Verma A, Haines DE, Boersma LV, et al. Pulsed Field Ablation for the Treatment of Atrial Fibrillation: PULSED AF Pivotal Trial. Circulation. May 9, 2023;147(19):1422–1432.
3 Medtronic data on file. November 2023.
4 Verma A, Boersma L, Haines DE, et al. First-in-Human Experience and Acute Procedural Outcomes Using a Novel Pulsed Field Ablation System: The PULSED AF Pilot Trial. Circ Arrhythm Electrophysiol. January 2022;15(1):e010168.
5 Medtronic data on file.

Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events, and directions for use. For further information, please call Medtronic at 1-800-268-5346 and/or consult the Medtronic website at www.medtronic.ca.

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