ARCTIC FRONT™
CARDIAC CRYOABLATION CATHETER SYSTEM
GLOBAL EVIDENCE OVERVIEW
PERSISTENT AF
**STOP PERSISTENT AF TRIAL**

Prospective, multicenter, single-arm trial conducted in the United States, Japan, and Canada demonstrates single-procedure PVI only with Arctic Front Advance™ cardiac cryoablation catheter (hereafter “cryoballoon”) is safe, effective, and efficient for treating symptomatic, drug-refractory, persistent AF (episode duration < 6 months) and significantly improves patient quality of life and reduces AF symptoms (N = 165 patients).

**SAFE | 0.6%**

Only one primary safety event, unrelated to study device, occurred in one patient during a repeat ablation procedure.

**EFFECTIVE | 54.8%**

Freedom from all atrial arrhythmias (AF/AFL/AT) lasting more than 30 seconds at 12 months post-ablation and an 86.8% rate of freedom from repeat ablation.

**EFFICIENT | 121 minutes**

Short and predictable procedure times:
- Procedure time: 121 ± 46 minutes
- Cryoballoon LA dwell time: 66 ± 25 minutes
- Fluoroscopy time: 19 ± 16 minutes
- Procedure time: 17.7 ± 11.5 minutes
- Fluoroscopy time: 100 ± 80 minutes
- Cryoballoon LA dwell time: 53 minutes

**CRYO4PERSISTENT AF TRIAL**

Prospective, multicenter, single-arm trial conducted in Europe demonstrates single-procedure PVI only with Medtronic cryoballoon is safe, effective, and efficient for treating symptomatic, drug-refractory, persistent AF and improves patient quality of life (N = 101 patients).

**SAFE | 4%**

Major procedure- or device-related events occurred in 4 out of 101 patients.

**EFFECTIVE | 60.7%**

Freedom from all atrial arrhythmias (AF/AFL/AT) lasting more than 30 seconds at 12 months.

**EFFICIENT | 53 minutes**

Short and predictable procedure times:
- Procedure time: 53 ± 22.2 minutes
- LA balloon inflation time: 13.1 ± 5.3 minutes
- Fluoroscopy time: 17.7 ± 11.5 minutes

**ARCTIC FRONT ADVANCE™ CRYOBALLOON ABLATION DEMONSTRATES STRONG EFFICACY IN PERSISTENT AF**

Several studies demonstrate that freedom from AF can be achieved in 54–71% of patients suffering from persistent AF following an index PVI cryoballoon procedure.

**PVI ONLY APPROACHES HAVE SIMILAR OUTCOMES TO PVI+ APPROACHES AND REQUIRE SIGNIFICANTLY LESS PROCEDURE TIME**

Several randomized trials reported no benefit in AF reduction with additional ablation beyond PVI.17-23