

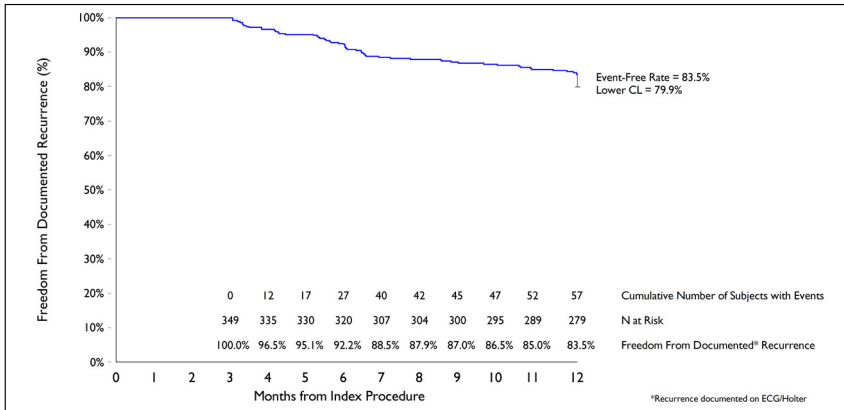
POLARx™ Cryoablation System

POLAR ICE Registry Results

EFFICACY²

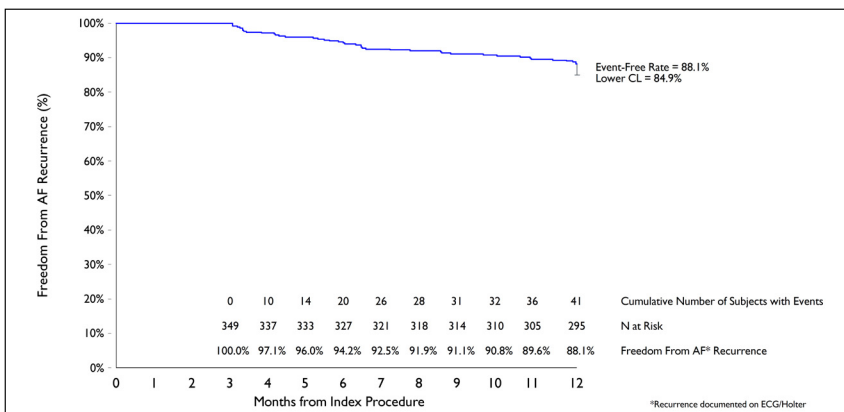
- ▶ The 12-month freedom from any arrhythmia was 83.5% and freedom from atrial fibrillation 88.1% (Figures 2, 3).

Figure 2. Freedom from Documented Arrhythmia Recurrence



✓ **83.5%**
Arrhythmia
Recurrence Free

Figure 3. Freedom from AF Recurrence



✓ **88.1%**
AF Recurrence Free

- ▶ Redo procedures were conducted on 19 patients. In 14/19 pts reconnection of at least one PV could be identified (RSPV n=8, RIPV n=12, LSPV n=9, LIPV n=11).
- ▶ Freedom from any arrhythmia was associated with lower nadir temperature (p=0.008) and longer time to thaw (p=0.05) during the index procedure.

CONCLUSION

- ▶ In the POLAR ICE real-world registry there was a low safety event rate (4.6%).
- ▶ The one-year arrhythmia recurrence free rates were 83.5%, with an AF recurrence free rate of 88.1%.
- ▶ Lower nadir temperatures and a longer thawing time were acute predictors of long-term clinical success.

- Martin, Claire A., et al. "Acute procedural efficacy and safety of a novel cryoballoon for the treatment of paroxysmal atrial fibrillation: Results from the POLAR ICE study." *Journal of Cardiovascular Electrophysiology* 34.4 (2023): 833-840.
- Luik et al. Long-term Success Rates of a Stable, Low Pressure Cryoballoon for the Treatment of Paroxysmal Atrial Fibrillation: Results of the Prospective, International, Multicenter POLAR-ICE Study. ESC, 2023.