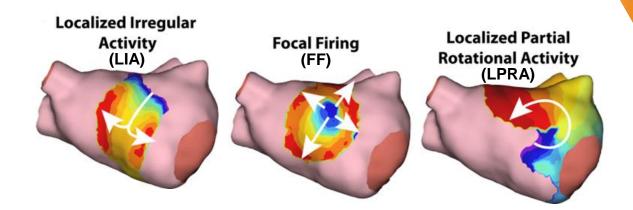


RECOVER AF

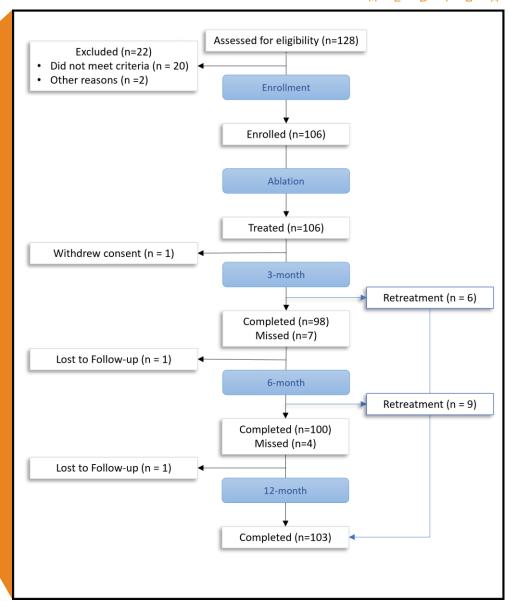
Treatment of Pathophysiologic Propagation Outside of the Pulmonary Veins in Retreatment of AF

Study Objective & Methods

- Evaluate the performance of AcQMap to guide ablation of non-PV targets in persistent atrial fibrillation (AF) patients following either a first or second failed procedure.
- Prospective, nonrandomized trial that studied 103 patients scheduled for a 1st or 2nd retreatment ablation for recurrent AF in 14 centers. <u>AcQMap was the only system used.</u>
- AF maps were used to guide the ablation of non-PV targets through <u>elimination of pathologic conduction</u> <u>patterns</u> (PCPs).







Key Takeaways



In a Persistent AF Population:

Patient-Specific Strategies Continually Outperform Others
AcQMap-guided ablations help achieve superior outcomes

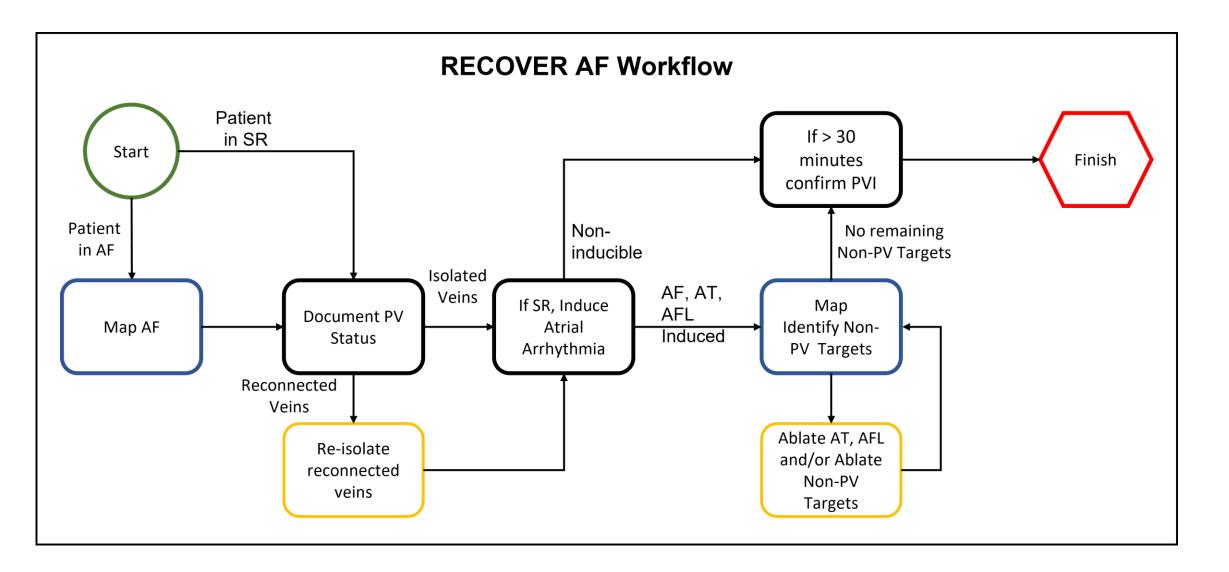
Less is More
Patients with less empirical ablations have better outcomes

The Sooner, The Better

Patients have better outcomes when individualized strategies are employed sooner in the treatment pathway

Study Design – Procedural Workflow





AcQMap-guided Retreatment Enables Superior Outcomes



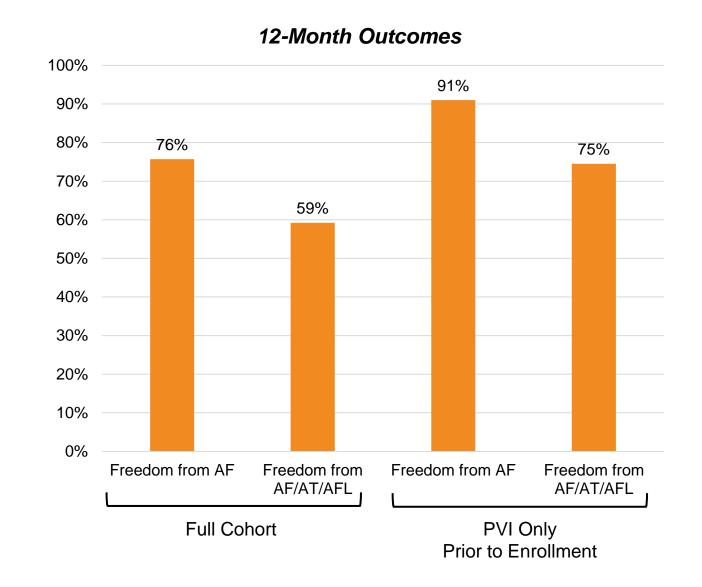
76% Freedom from AF at 1 year

Aligned with other key AcQMap studies

- UNCOVER AF: 73%
- Core-To-Boundary: 88% (2-year)

91% Freedom from AF at 1 year

(de novo PVI only patients) (43/47 patients)



Non-PV Anatomical Ablations May Be Detrimental

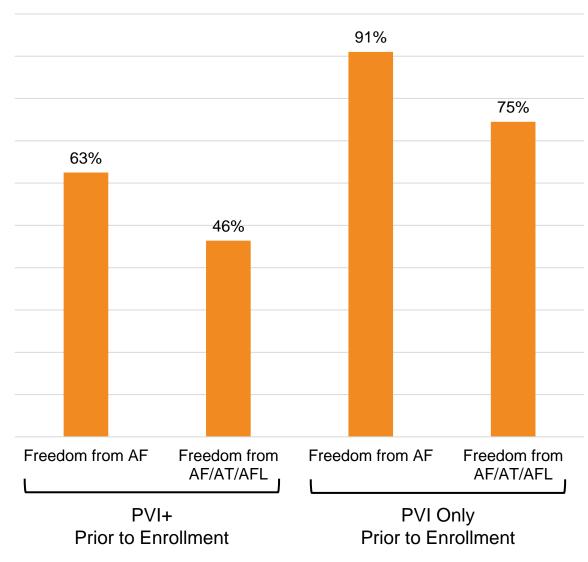


"These particularly high success rates for persistent AF retreatment patients could indicate that ablation beyond the PVs that are not informed by a patient's activation during AF could be deleterious to future treatment"

-Tim Betts, Principal Investigator

Patient Cohort			Comparative likelihood of AF Freedom at 1 year
1st retreatment patients with <i>de novo</i> PVI only	VS	First retreatment patients with PVI +	10.9x
		Second retreatment patients	6.6x

12-Month Outcomes

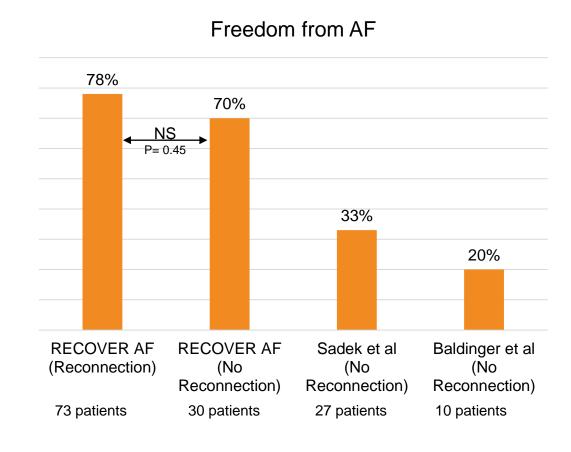


Ablations in Patients with Intact Prior PVIs



AcQMap guidance can lead to superior outcomes after PVI

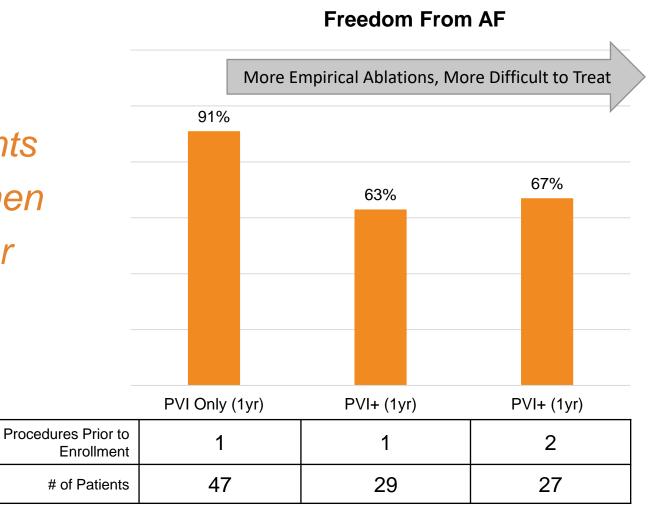
- AcQMap-guided ablations led to a significant improvement in outcomes—even if the prior PVI was intact.
- AcQMap guided ablation was the main driver of success. Vein re-isolation had no significant impact on the outcomes of these patients.
- AcQMap provided significant advantages in treatment strategies compared to anatomical strategies.



Outcomes Improve with Early Patient-Specific Strategies



Evidence indicates patients have better outcomes when AcQMap is used in earlier procedures

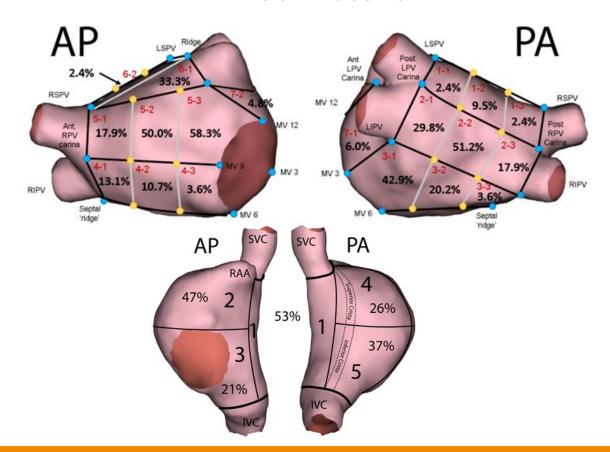


Non-PV Targets Are Not Anatomically Localized

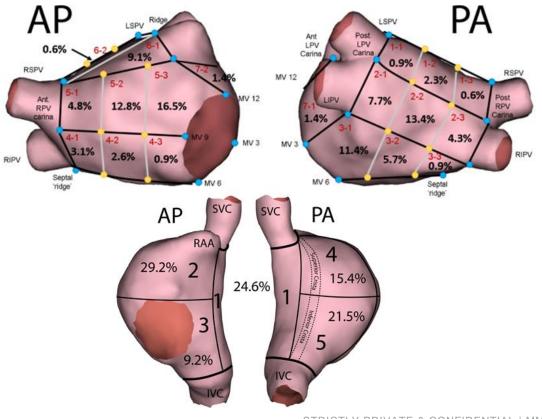


Targets are evenly split between the posterior and anterior anatomy, demonstrating why anatomical ablation strategies, such as posterior wall isolation, are not effective

Percent of Patients with Targets in Each Location



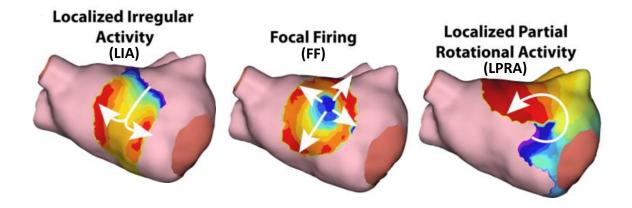
Percent Targets in Each Location



Local Irregular Activity (LIA) Is the Most Prevalent Pathologic Conduction Pattern (PCP)



- Higher incidence of LIA, uniquely identified by AcQMap, demonstrates the importance of these conduction patterns.
- Ablation of LIAs led to significantly better patient outcomes.



Type and Frequency of Targets by Zone





AcQMap Shows Superior Outcomes in Retreatment Studies



Success rates in patients with previous PVI-only ablations

