



**AdvaMed**

Advanced Medical Technology Association

## **CSRC Afib Ablation Thinktank**

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BRINGING INNOVATION TO PATIENT CARE WORLDWIDE

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## AF Ablation technique and imaging

The AdvaMed working group recommends the adherence to the HRS/EHRS/ECAS Expert Consensus Statement on Catheter and surgical Ablation of Atrial Fibrillation

In order to maximize the potential of AF ablative treatment over time, new evolving methods and technology should be permitted

A potential registry should utilize an observational design

It should *record* what the clinician does, not *dictate* what they do

A registry should not dictate the intervention or post-procedural care pathway



## Technique

The key elements of an AF registry should include, but may not be limited to, depending on questions to be answered:

- Patient characteristics
- Facility Characteristics
- Patient medical condition & co-morbidities
- Mode of AF
- Medications
- Specific ablation procedures
  - Target Pulmonary Veins
  - Consider additional sites
  - Record lesion sets
  - Technologies used
- Investigator experience



## Imaging

Fluoroscopy continues as a mainstay for EP intervention

Electro-anatomic mapping allows for visualization of catheter manipulation, voltage and activation mapping and identification/tagging of ablation sites

Intracardiac echocardiography is also commonly used

Emerging techniques in image acquisition such as MR/CT/rotational angiography provide for enhance imaging with real time co-registration to 3D mapping systems

Further innovation is the focus for industry

Registry goal: to capture specific imaging technology used, balancing completeness of data set vs. cost/clinician burden/benefit



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Thank You