



The world's most advanced, AI-enabled
DIGITAL TWIN OF THE HEART
for image-guided ablations

VISUALIZE

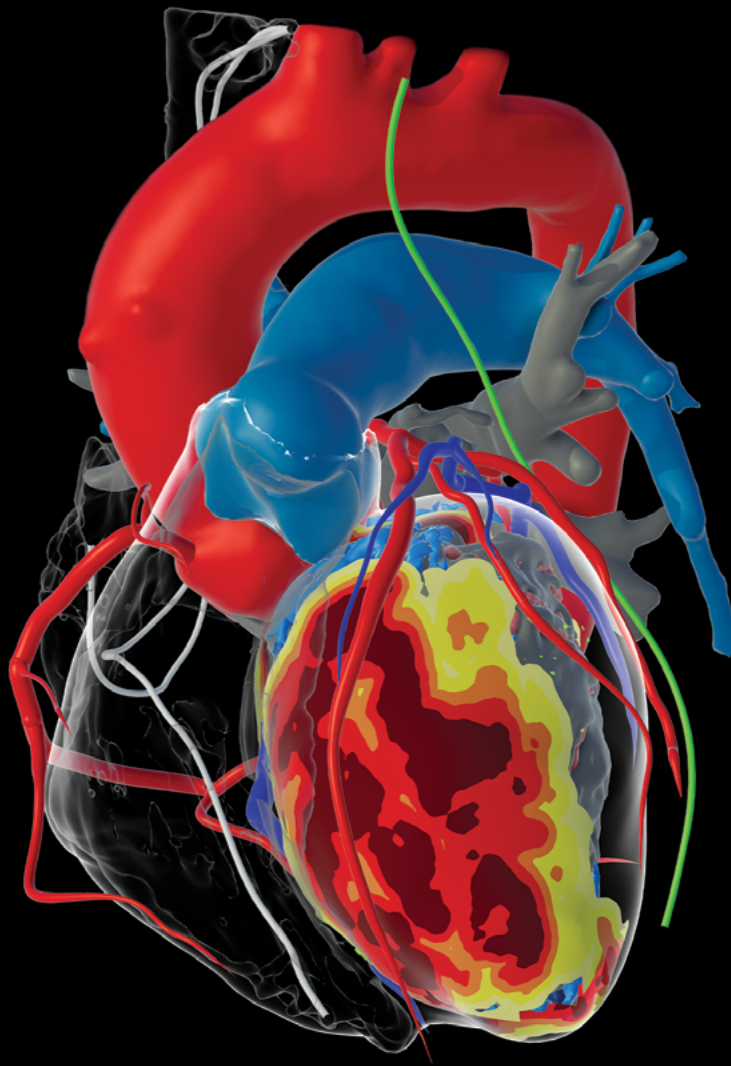
AI-driven anatomical insights

PERSONALIZE

Optimized ablation strategies

TREAT

Improved clinical outcomes



SEE MORE THAN EVER BEFORE

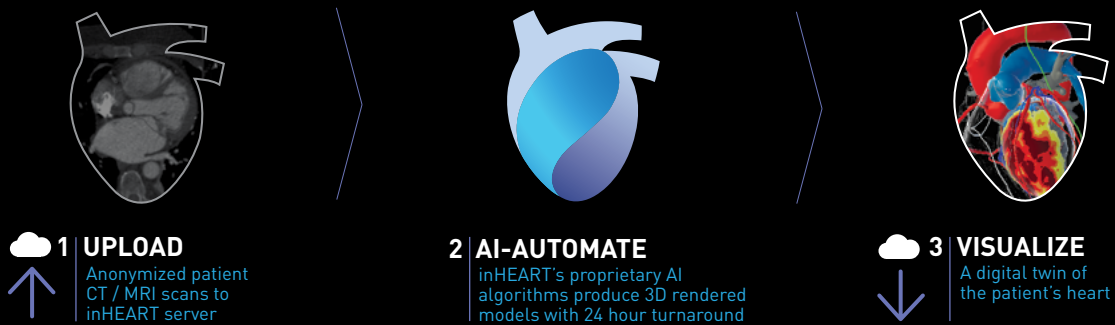
with advanced, AI-driven 3D cardiac models

WORLD-CLASS EXPERTISE AT YOUR FINGERTIPS

Cloud-based inHEART platform allows for interactive exploration of cardiac anatomy, principal and collateral structures, and myocardial tissue characteristics.

PROCESS WORKFLOW

Simple, Secure, and Timely - inHEART's cloud-based solution produces 3D cardiac models in three simple steps.



FULL 4-CHAMBER CARDIAC ANATOMY

VENTRICLES

- LEFT & RIGHT CHAMBERS
- TRABECULATIONS
- PAPILLARY MUSCLES

ATRIA

- LEFT & RIGHT CHAMBERS
- APPENDAGES
- PULMONARY VEINS
- FOSSA OVALIS

EPICARDIUM

COLLATERAL STRUCTURES

VESSELS

- AORTA
- PULMONARY ARTERY
- CORONARY SINUS / VEIN OF MARSHALL
- CORONARY ARTERIES
- PHRENIC

ESOPHAGUS & STOMACH

DEVICES

- LEADS
- LVAD
- STENTS
- PROSTHETIC VALVES

TISSUE CHARACTERISTICS

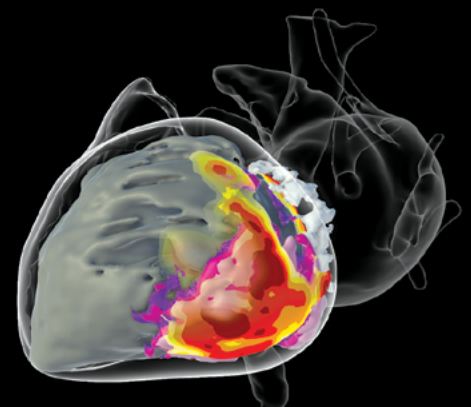
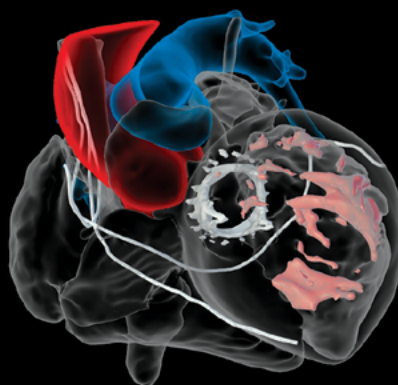
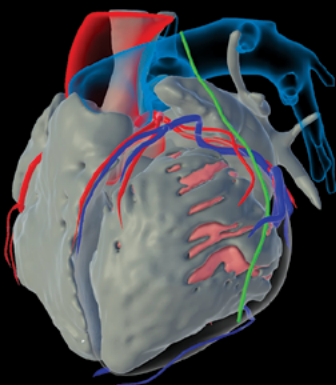
HEALTHY MYOCARDIUM

SUBSTRATE

- FIBROSIS (HETEROGENEITY / TRANSMURALITY)
- WALL THICKNESS
- CALCIFICATIONS
- FAT

PRIOR ABLATION LESIONS

- DARKCORE
- BRIGHTCORE



Proprietary AI segmentation algorithm for CT and MR images

- Unprecedented visualization of anatomical details of tissue and structural characteristics
- AI algorithm for fully automated segmentation

REDUCES
PROCEDURE
TIMES BY

60%¹

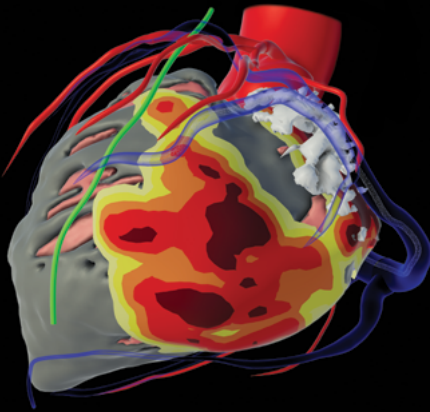
Inform strategies prior to the procedure to reduce intraprocedural planning

REDUCES
RECURRENCE
BY

38%¹

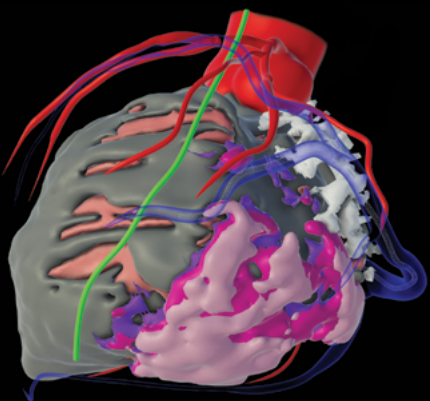
Image-guided VT ablations experience greater success rates than conventional

VENTRICULAR APPLICATIONS



Ischemic Ventricular Tachycardia

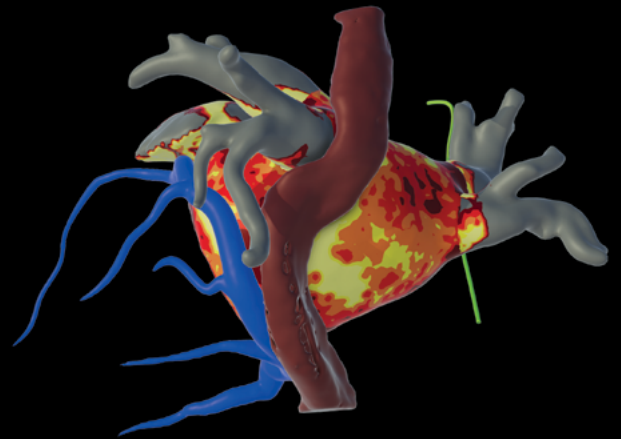
Help identify critical circuits for targeting with proprietary wall thinning algorithms



Nonischemic Ventricular Tachycardia

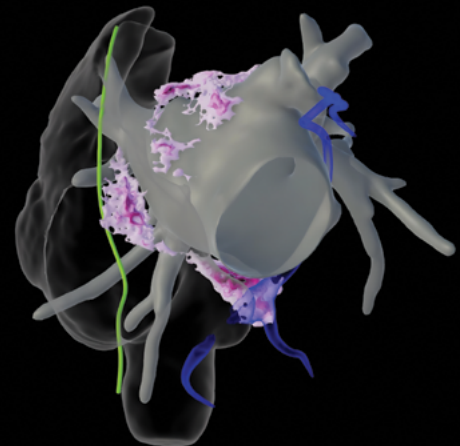
Localize regional scar including transmuralities

ATRIAL APPLICATIONS



Atrial Fibrillation

Visualize detailed atrial substrate and anatomical insights to advance therapy options

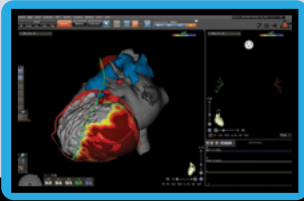


Cardioneural Ablation

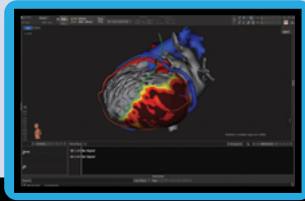
Localize Ganglia Plexi with epicardial fat for CNA planning

SEAMLESS INTEGRATION INTO EAM SYSTEMS

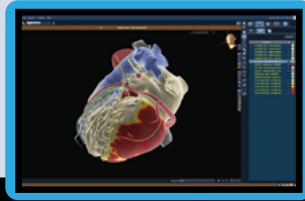
Carto®



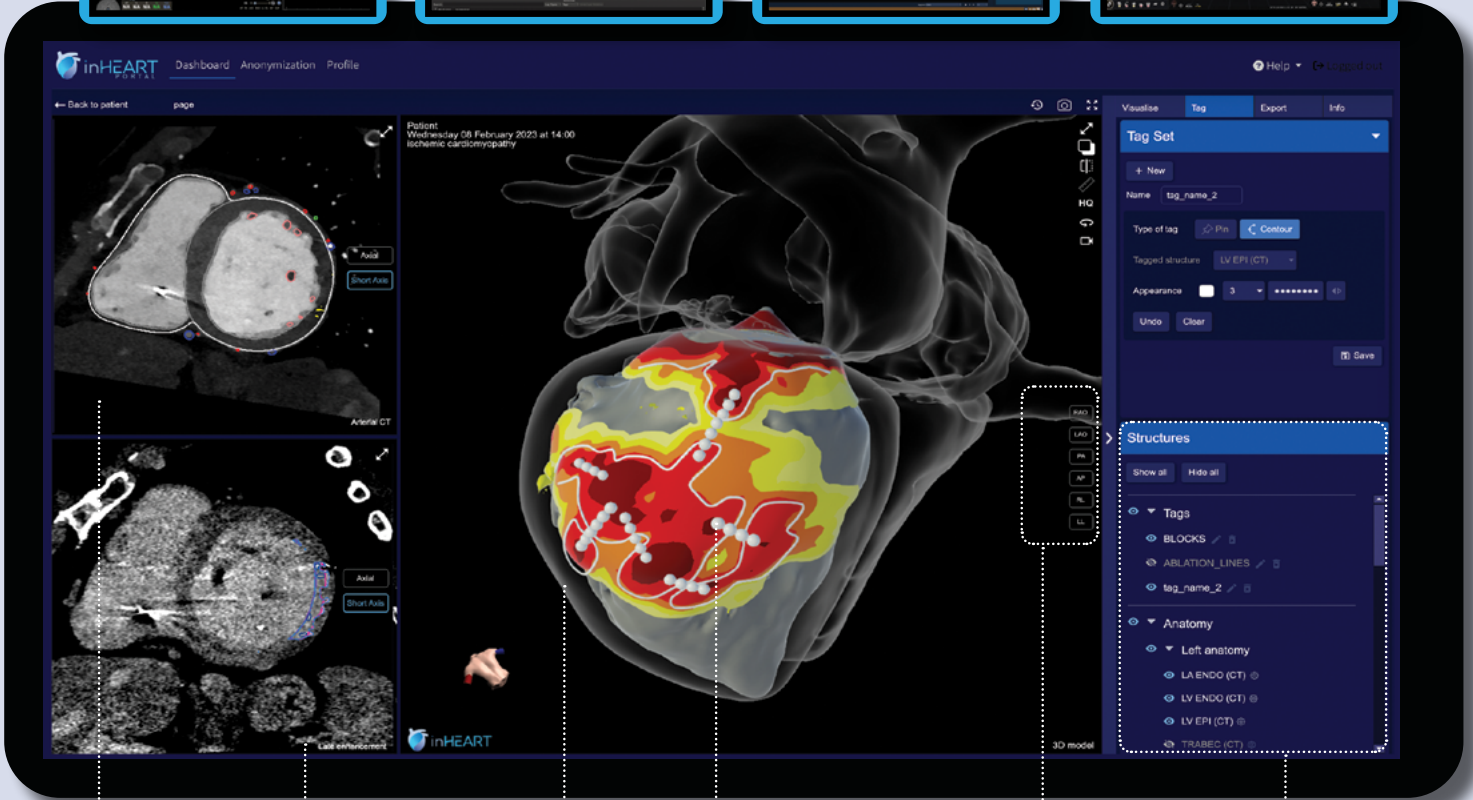
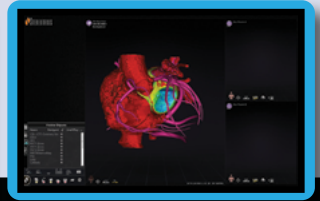
Rhythmia™



Ensite™



Stereotaxis™



**CT
DATA
SOURCE**

**LATE CT
OR MRI
DATA
SOURCE**

**INTERACTIVE
3D MODEL**

**PLANNING
ANNOTATION**

**STANDARD VIEWS
RAO / LAO / AP /
PA / RL / LL**

**PREDEFINED
ADAPTABLE
STRUCTURES**



At inHEART, we are committed to ongoing clinical research to support the advancement of cardiac care. Our innovative solution has been cited in more than 50 scientific publications in leading cardiac journals. Scan QR code to access full list of publications.



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