



Novel Solutions for Safe Pericardial Access and Cardiac Arrhythmia Treatment

Founders and Management Team

Founders



Rainbow Medical



Prof. Francesco Maisano
University Hospital of Zurich



Prof K.H. Kuck
Asklepios Klinik St. Georg,
Hamburg, Germany

Management Team



Michael Kardosh,
Managing Director



Yossi Gross,
Co-founder and CTO



The Need for Safe Pericardial Access

AFfix
Medical

VT ablation

Pericardiocentesis

Left atrial appendage
closure

Epicardial mapping and
ablation (VT, WPW)

LV pacing

Drug delivery – sustained
myocardial delivery

LV lead placement

Cell transplantation

Pericardial Access Hasn't Changed in 70 Years

1946 Tuohy
needle

5% Complication
rate*



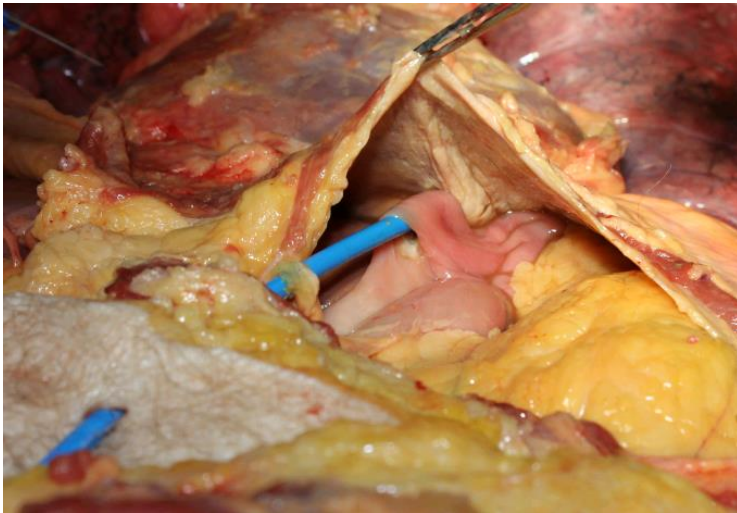
- Hemopericardium/
Tamponade
- Injury to epicardial vessels
- Elevated defibrillation
threshold
- Liver puncture
- Hemoperitoneum
- Diaphragmatic bleeding
- Injury to Phrenic nerve

* including ablation-related

Complications Due to a Blinded Procedure

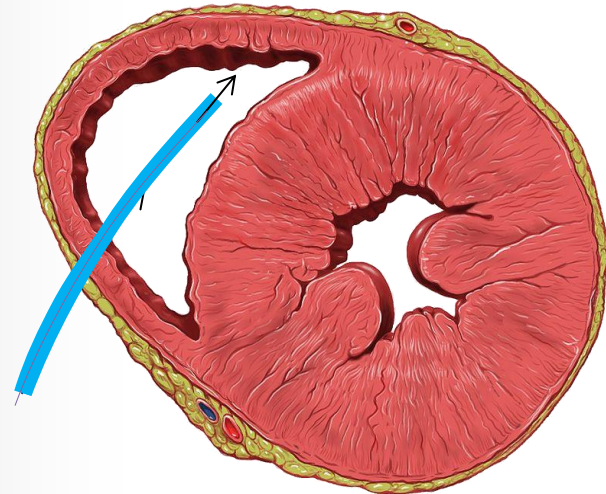
Reaching the Pericardium

Liver puncture



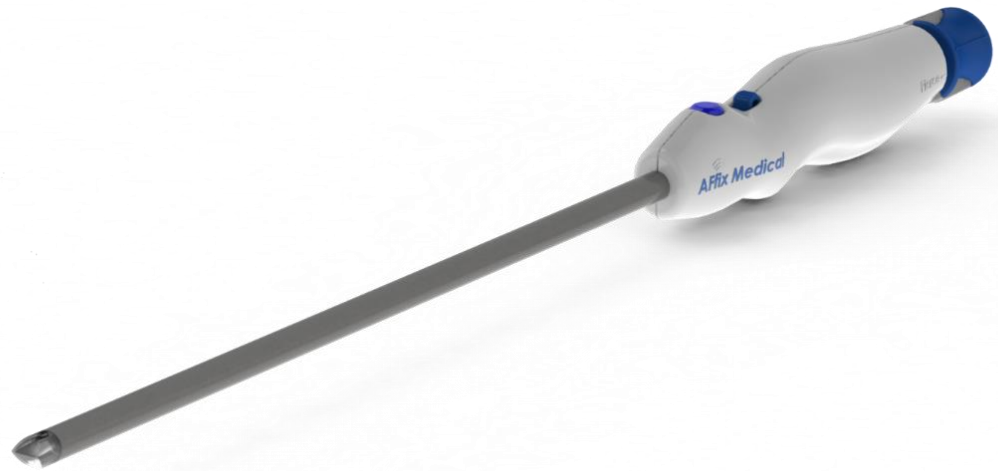
Crossing the Pericardium

RV puncture/double puncture



PeriCardioScope:

A Novel Approach to Pericardial Access



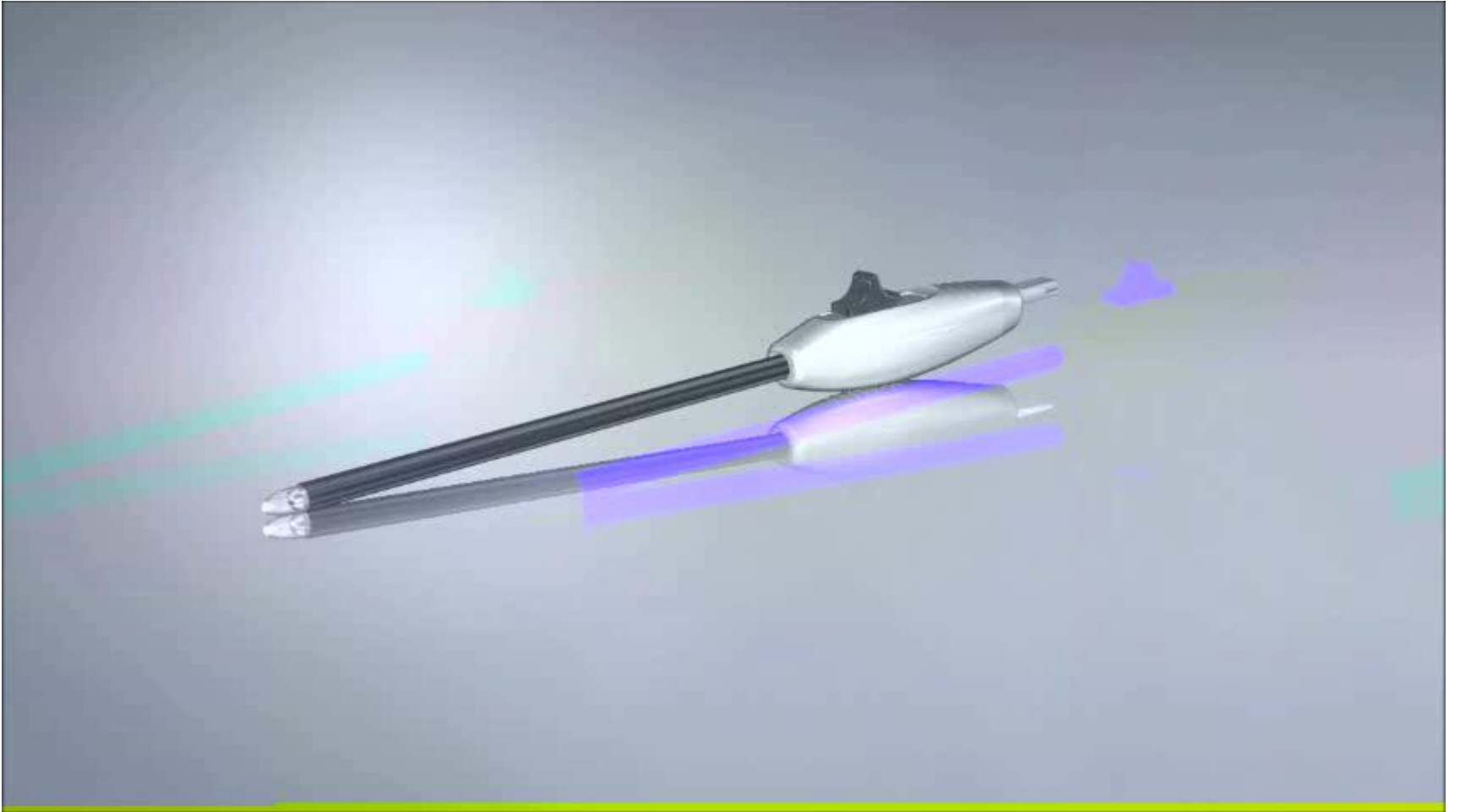
Designed for Optimal Pericardial Access

Observation channel to view path to pericardium

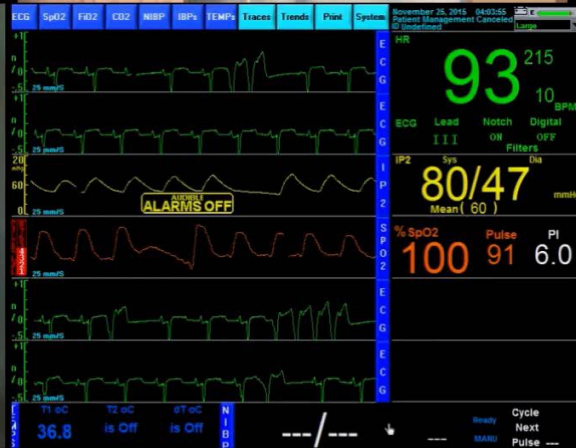


Suction channel to distance puncture site from heart for better safety.





180 Degrees rotation



Reaching the Pericardium

- Navigate with the help of live video.
- Identify anatomical structures on the way and avoid inadvertent punctures.

Crossing the Pericardium

- Clearly view the puncture site.
- Safely puncture the parietal peritoneum at a distance from the heart with the help of vacuum.