



# **High-fidelity, Wireless Monitoring and Recording for Interventional Cardiology Suite/OR**

**In collaboration with Dr. Anthony Faranesh,**

**NHLBI**

# High-fidelity, wireless monitoring/recording

- 12-lead ECG (cleared by the FDA for non-MRI settings)
- 4 blood pressure channels for fluid-filled catheters
- Noninvasive pulse wave / oximetry
- Wireless connectivity throughout interventional cardiology suite
- Real-time data display on Siemens SENSIS or GE Mac-Lab

## Scanner room

PinMed PELEX-MR



Wireless

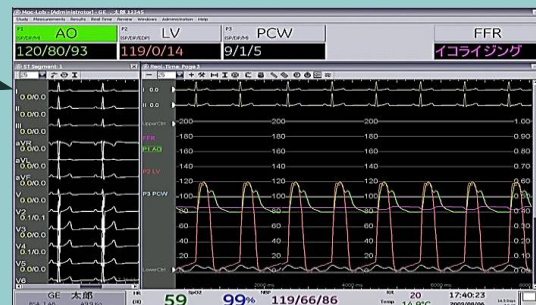
Wireless

## Control room

Siemens Sensis



GE Mac-Lab

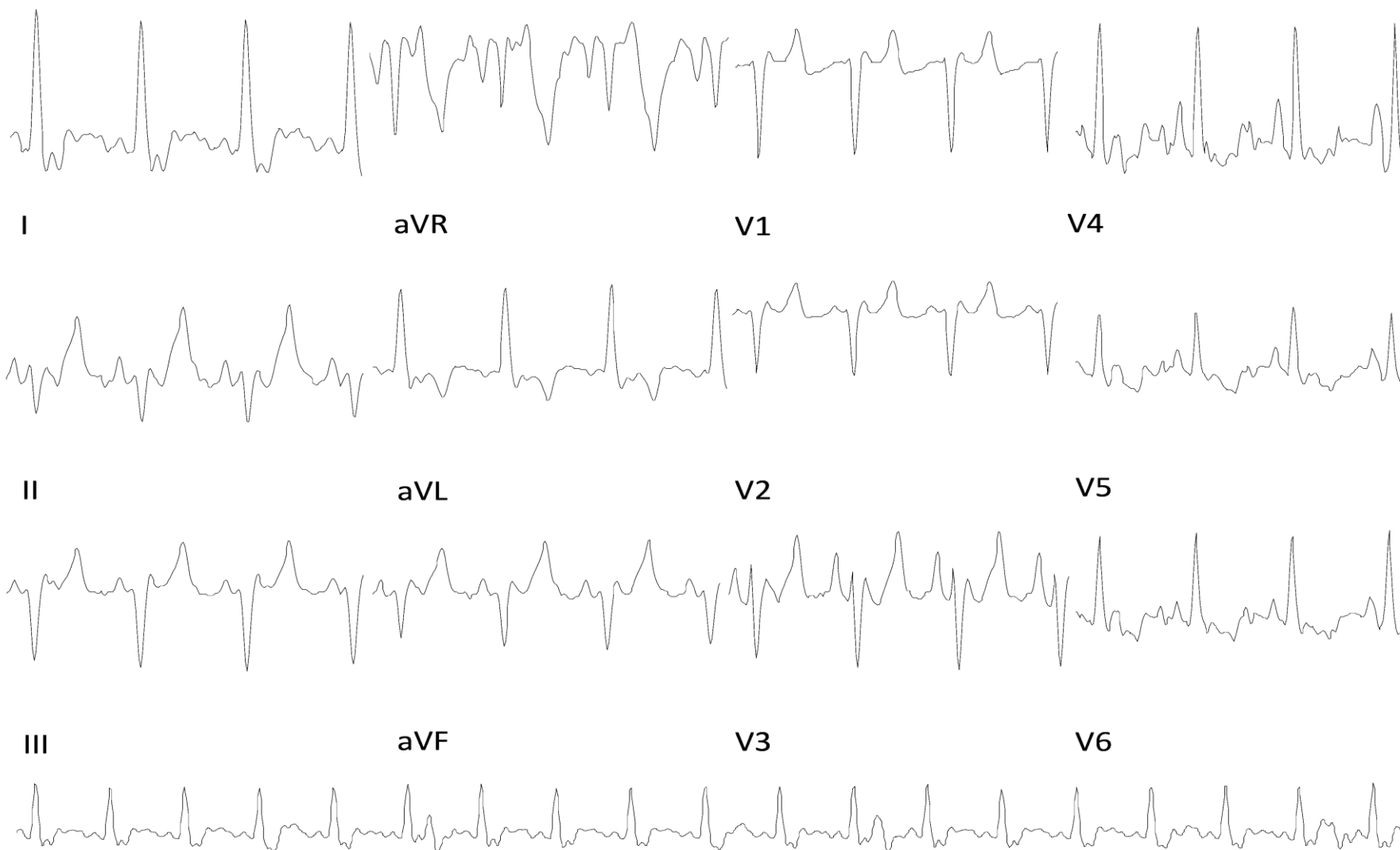


[www.healthcare.siemens.com/angio/workplaces/sensis](http://www.healthcare.siemens.com/angio/workplaces/sensis)

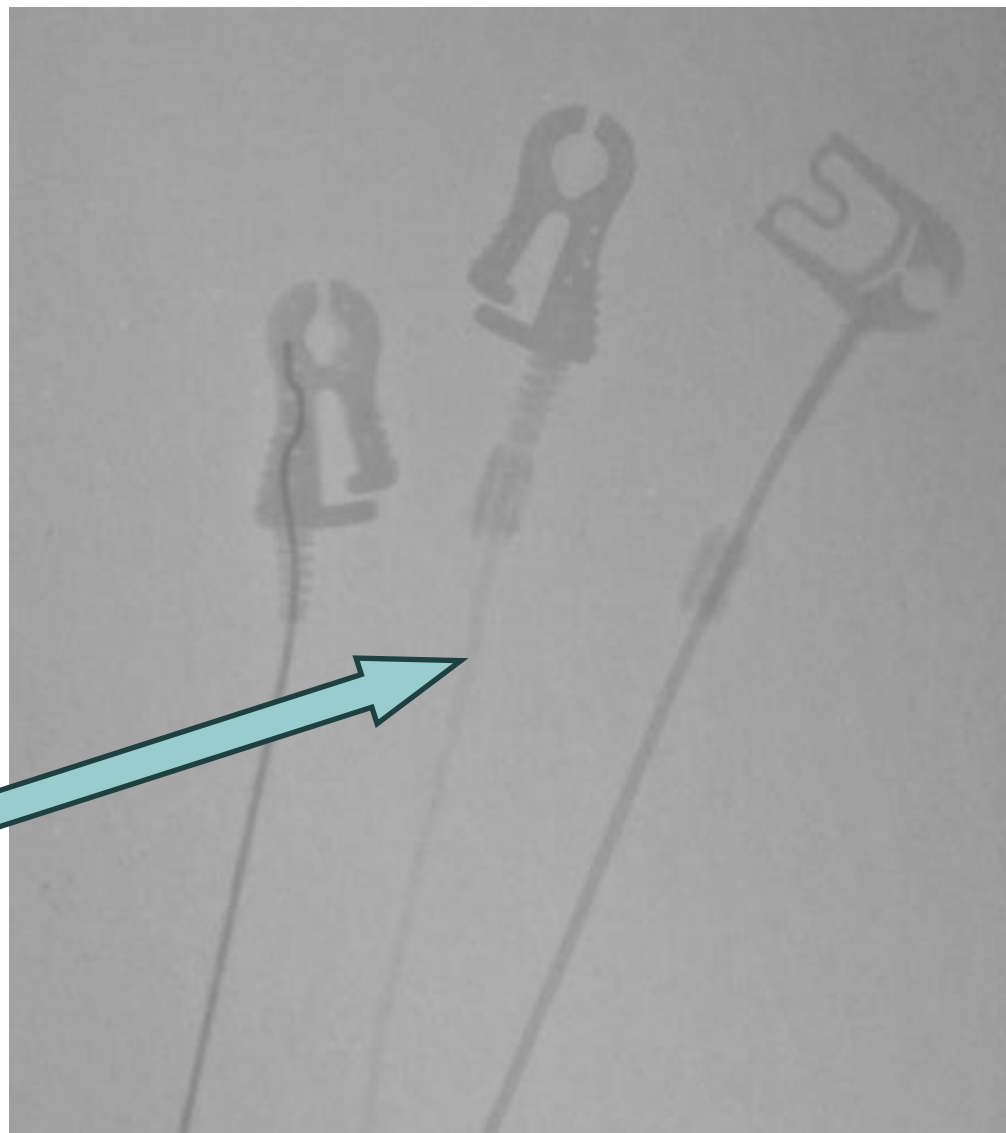
[www3.gehealthcare.co.jp](http://www3.gehealthcare.co.jp)



# 12-lead surface ECG in an animal subject (pig) during real-time CMR



## X-ray image of radiolucent, MR-compatible ECG cables



ECG cable in PELEX-MR  
(center), side-by-side with other  
common cables (left and right).



# High-fidelity, wireless monitoring/recording

## Projected Timeline

### 2016:

- Beta prototype
- Regulatory testing

### 2017:

- Clinical system
- FDA clearance anticipated
  
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