



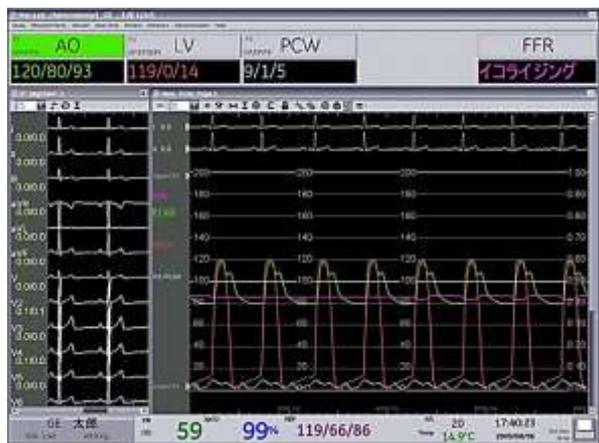
# High-fidelity, Wireless Telemetry for Interventional Cardiology Suite/OR

In collaboration with Dr. Anthony Faranesh,  
NHLBI

# High-fidelity, Wireless Telemetry for Interventional Suite/OR

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

GE Mac-Lab



Scanner room

Siemens Sensis



Control room

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

PinMed  
PELEX

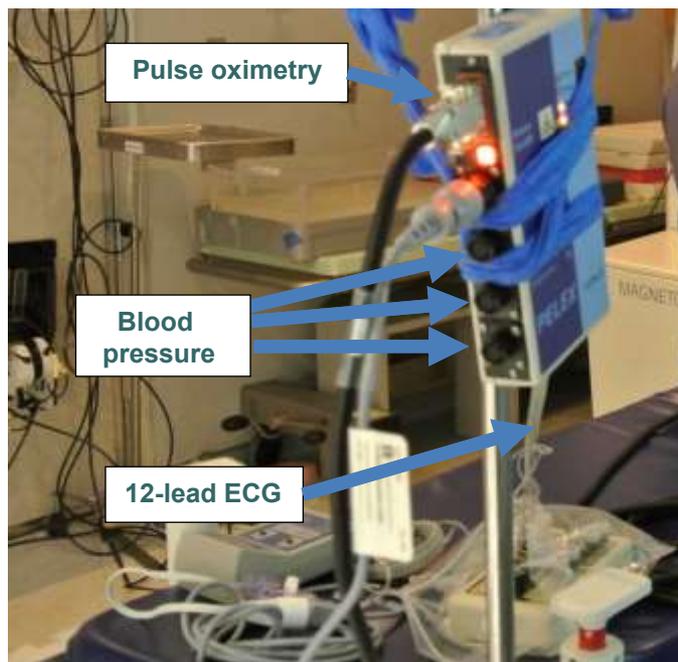


Wireless



# High-fidelity, Wireless Telemetry for Interventional Suite/OR

Multisensor, wireless transmitter is attached to the patient table



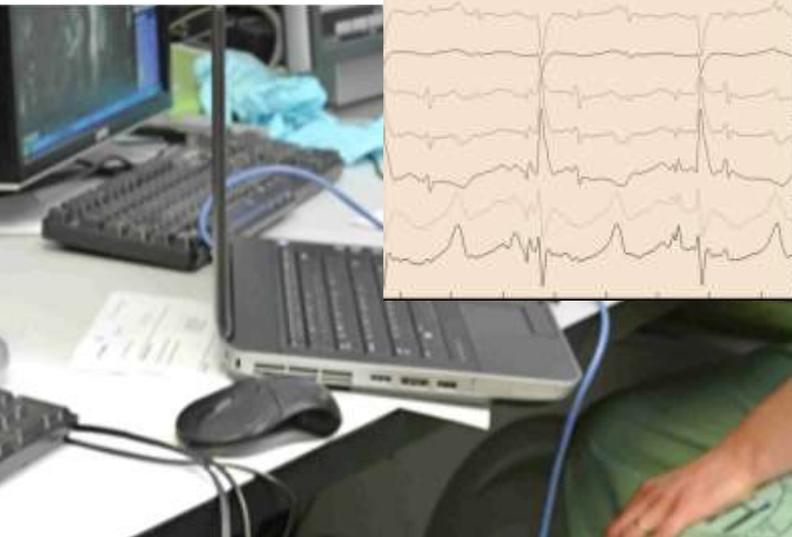
- 12-lead ECG (cleared by the FDA for non-MRI settings)
- 4 blood pressure channels for fluid-filled catheters
- Noninvasive pulse wave / oximetry
- Wireless connectivity throughout interventional cardiology suite

# High-fidelity, Wireless Telemetry for Interventional Suite/OR

**Workstation for data display / processing in the Control room**

- Filtering gradient- and RF-induced interference during iCMR sequences with short TE/TR
- Streaming high-fidelity data in real time to commonly used hemodynamic monitoring systems (in development)

PinMed PELEX



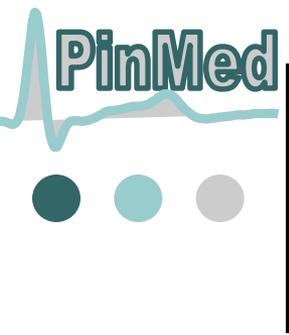
High-fidelity data



Real time

Siemens Sensis





# High-fidelity, Wireless Telemetry for Interventional Suite/OR

## Timeline

### 2015:

- Beta prototype
- Regulatory testing

### 2016:

- Clinical system

Interested in partnerships with industry, researchers, and clinicians

- Contact: [vs@pinmed.net](mailto:vs@pinmed.net)  
[info@pinmed.net](mailto:info@pinmed.net)  
<http://www.pinmed.net>