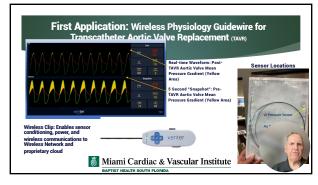


Initial Results in Pressure Measurment

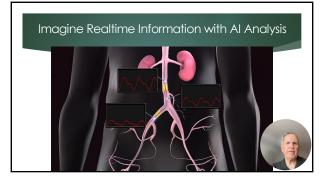
- Fidelity of the pressure wave form, much greater than traditional transducer based traditional wave forms
- Al being applied to the curves and area under the curves, anticipated to have much greater sensitivity to differences if they exist
- First application to TAVR
- Endovascular Wire developed at the same time, characteristics of 'Torque wire' and exchange wire
- Imagine: workhorse wire with hemodynamic sensor information Al applied to wave forms and differences
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Potential EndoVascular **Applications**

- Multiple sensors can be place on a wire, allowing real time data t be transmitted from multiple locations simultaneously **wirelessly**
- First vascular applications 3-5 sensors and ready merebary
 First vascular applications 3-5 sensors and a consequence of the segment
 Potential applications: Aortic and Aorto-liac occlusive disease where real time pressures can facilitate procedural decision making and endpoint determination
- Al and development of physiologic ratios offer potential to create $\ensuremath{\text{new}}$ endpoints in peripheral intervention
- Currently 0.035, but 0.014 and 0.018 in the pipeline
- Deploy sensors for measurement of other parameters and purposes combining IVUS and Physiology
 Apply Al to reacting multicless
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Potential for Endovascular Applications

- · Deliver real-time physiologic information with workhorse wire: impact on workflow?
- Pressure Measurements have had significant endpoint value during aortic and iliac interventions
- Potential for developing new endpoints for therapeutic procedures and fusion of data with imaging modalities, IVUS, Angio
- Al analysis of high fidelity data may predict need for further intervention, or not.
- · All data and analysis saved to the cloud with image fusion capabilities, all wirely
- Altering workflow by providing this information to operator in realtime, without catheter or wire exchanges, no boxes or cables, wireless transmission

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