Transcript of Media- OSF team develops AI-powered tool to improve detection and monitoring of aortic aneurysms

Dr. Mathew Bramlet, pediatric cardiologist, OSF HealthCare Children's Hospital of Illinois

The new software automates that process, which Dr. Bramlet explains can generate up to 300 measurements in about 30 seconds while improving consistency.

"If we can capture this aorta and generate those same measurements with fancy new math and machine learning programs we can distribute the expertise that I have accumulated over years and years and years, essentially into a program that would allow this type of analysis to be distributed at a larger scale." (:26)

The project is also creating a library of 3D digital models of healthy and diseased aortas that could eventually support automated diagnosis.

"The model library that we will have, where we can compare a diseased aorta to a normal aorta and look for the differences, it's a much easier automated process to get toward automated diagnosis, automated analysis and this is really the mindset of the entire lab," says Dr. Bramlet**. (:23)**

The team is continuing to validate the technology through research while working toward clinical deployment – something Dr. Bramlet says is unique to OSF HealthCare.

"To have a hospital institution assign operational resources towards a clinical tool but I believe it is the commitment to serve people and to actually see the fruits of that labor being deployed within this institution really makes it a special place." (:23)