

First Robotic-Assisted Stent Placement in Acute Heart-Attack Patient Performed



Corindus Vascular Robotics announced today that Sanford Aberdeen Medical Center in Aberdeen, S.D. became the first hospital to perform a Robotic Angioplasty for a patient with an acute heart-attack, achieving a far better door-to-balloon time than the national standard. The percutaneous coronary intervention (PCI) was performed by interventional cardiologist Dr. Puneet Sharma, to treat a patient that had experienced a heart-attack and presented to the Sanford Aberdeen emergency department. Utilizing the FDA-cleared CorPath System, Dr. Sharma was able to perform the robotic-assisted angioplasty procedure and restore blood flow to the patient's heart within 68 minutes of their arrival.

The current nationwide standard for door-to-balloon time—from when a patient with a heart attack is presented to the emergency department (ED) to inflating a balloon in his coronary arteries to restore blood flow to the heart—is 90 minutes. These standards were developed by the American College of Cardiology (ACC) to improve timely access to the cath lab and by that improving clinical outcome.

"Timely access to emergency cardiac care and survival is partly dependent on access to services and technology," said Dr. Sharma. "Being able to perform a CorPath Robotic Angioplasty on a STEMI patient within 68 minutes is a great benefit. As shown with the latest procedure, robotic-assisted angioplasties improve rural access and quality of care as more patients in this area will have access for advanced specialty care. The implementation of the CorPath System and its ability to precisely and rapidly execute an angioplasty procedure with only one stent in the patient heart is a great example of Sanford Health's commitment to enhanced clinical outcome for our patients."

The CorPath System is the first and only FDA cleared technology that enables precise, robotic-assisted angioplasties to open arteries and restore blood flow in patients with coronary artery disease. Seated in an interventional cockpit, the interventional cardiologist advances stents and guidewires via a joy stick with millimeter by millimeter precision. The System, which is quickly being adopted as the new standard of care in coronary angioplasty procedures, may also improve clinical outcomes by enabling precise measurement of the anatomy, which could potentially lead to better stent placements.

"The ability to improve door-to-balloon times demonstrates the maturity of CorPath Robotic Angioplasty," said David Handler, president and chief executive officer of Corindus Vascular Robotics. "We designed the System to be very intuitive and user-friendly. As a result, the learning curve is minimal, allowing rural sites with less volume to implement CorPath Robotic Angioplasty into their practice with great clinical results."

Sanford Health performs robotic-assisted angioplasty procedures with the CorPath System at both Sanford Heart Hospital in Sioux Falls and Sanford Aberdeen Medical Center. It is the first and only health system in the region utilizing the CorPath System.

The CorPath System is currently installed in leading medical centers across the United States.

Source: [Corindus Vascular Robotics](#)

Published on : Mon, 22 Jul 2013