

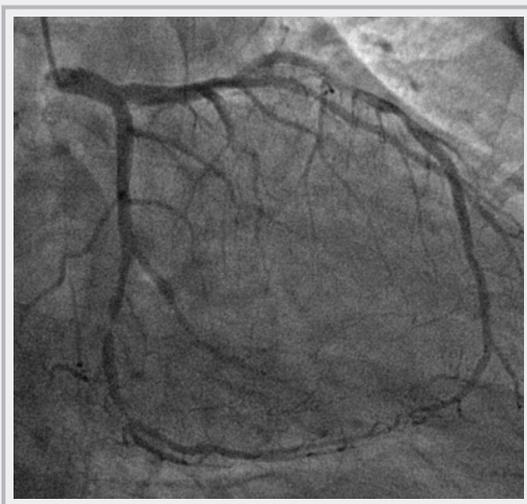
CORPATH[®] RADIAL PCI IN SETTING OF NSTEMI

Case History

Patient was admitted with non-STEMI. Angiography showed 80% occlusion of the left circumflex (LCX) artery.

Robotic Procedure

A 6Fr guide catheter was introduced into the right radial artery. A BMW guidewire was then loaded into the CorPath cassette and robotically advanced across the lesion into the distal LCX. A pre-dilatation balloon was loaded into the cassette. The “turbo” feature on the control console was used to quickly advance the balloon through the guide catheter. After pre-dilatation, the balloon was exchanged for a 2.75x23mm Xience Alpine stent. CorPath’s millimeter



Prior to Intervention



Physician: Amir Kaki
MD
Medical Director
Cardiac Cath Laboratories

Facility Details

Detroit Medical Center
Heart Hospital
Detroit, MI

Devices Used

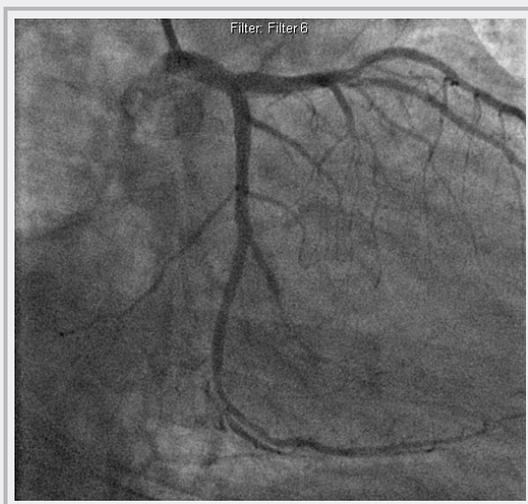
- CorPath[®] Vascular Robotic System
- 0.014" Hi-Torque Balance Middleweight guidewire (Abbott Vascular)
- 6 Fr 3.0 XB Vista Brite Tip[®] Guiding Catheter (Cordis)
- 2.50x20mm Trek Dilatation Catheter (Abbott Vascular)
- 2.75x23mm Xience Alpine[®] (Abbott Vascular)
- 2.75x20mm NC Trek Dilatation Catheter (Abbott Vascular)

CorPath Radial PCI in Setting of NSTEMI

movement feature was used to precisely position the stent, which was then deployed. The stent catheter was exchanged for a non-compliant 2.75x20mm post-dilatation balloon, which was robotically advanced and positioned. After post-dilatation, there was no residual stenosis.

Results / Conclusion

This case demonstrates that radial access PCI is feasible with the CorPath robot. In addition to advancing and placing balloons, the robot precisely positioned the Alpine stent for deployment and afforded the benefit of radiation protection for the operator.



After Intervention

“Radial access provides several benefits for patients but typically prolongs the physician’s exposure to scatter radiation. At the DMC Heart Hospital, we performed the first robotic-assisted radial access case using the CorPath robot. CorPath provides radiation protection for the operator, who advances and manipulates catheters from a seated position at the lead-lined cockpit. Thus, radial PCI can be performed in such a way as to provide benefits to both patients and providers.”

– Amir Kaki,
MD

To learn more, call 1-800-605-9635 or email: sales@corindus.com

CorPath 200 System is intended for use in the remote delivery and manipulation of coronary guidewires and balloon/stent catheters during PCI procedures.

Corindus
Vascular Robotics