SUCCESSFUL CORPATH® PCI AND STENTING OF OM2 IN SETTING OF AMI

Case History
A 50-year-old female presented to the emergency department with evidence of STEMI. She was immediately brought to the cardiac cath lab for revascularization.

Robotic Angioplasty Procedure
Radiographic images revealed a totally occluded ostial OM2. The guide catheter was manually introduced. A PROWATER guidewire was loaded into the CorPath cassette and then robotically advanced to pass the lesion into the distal OM2. A predilatation balloon was loaded into the CorPath cassette and positioned at the distal OM2. After inflation, flow was restored to the vessel. A decision was made

Guidewires in OM1 and OM2.

Facility Details
Fred and Lena Meijer Heart Center
Grand Rapids, MI

Physician: Ryan Madder, MD
Spectrum Health/Fred and Lena Meijer Heart Center

Devices Used
- CorPath Vascular Robotic System
- PROWATER Guidewire (Abbott)
- Balance Middleweight Universal Guidewire (Abbott)
- 6Fr Amplatz Left 0.75 Guide Catheter (Medtronic)
- 2.25x22mm Resolute Integrity (Medtronic)
- NC Euphora™ 2.0x20mm (Medtronic)
Successful CorPath PCI & Stenting of OM2 in Setting of AMI

to place a second guidewire (a BMW) in the OM1 for protection from plaque shift that could occur during the stenting process. The BMW guidewire was positioned robotically and placed in the CorPath parking track.

CorPath’s measurement feature was used to determine the proper stent size to implant. A Resolute Integrity 2.25x22mm DES was loaded onto the PROWATER guidewire and robotically positioned to ensure precise lesion coverage without jailing the large OM1. After the stent was deployed, the balloon and BMW were removed. Robotic post-dilatation was performed.

Results / Conclusion

In the setting of AMI, CorPath can be used to successfully revascularize occluded vessels within standard door-to-balloon times. Multiple catheter-based devices and tools were precisely positioned from CorPath’s interventional cockpit to restore flow of, and stent, a totally occluded ostial OM2.

“As this case demonstrates, the CorPath System can be used to treat bifurcation lesions requiring two wires. Such cases, which can become lengthy due to multiple wire and balloon exchanges, also demand precise stent positioning. The CorPath System provides a high level of precision with stent positioning while simultaneously shielding the operator from the increased radiation exposure associated with longer cases.”

– Ryan Madder
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.