Who is Corindus Vascular Robotics?

Corindus Vascular Robotics, Inc. is a global technology leader in robotic-assisted vascular interventions. The company was founded in 2002 and is headquartered in Waltham, MA. The company’s CorPath® System is the first FDA-cleared medical device to bring robotic-assisted precision to both percutaneous coronary intervention (PCI) and peripheral vascular intervention,* offering improvements in procedural control for the physician, workflow for the technologist, and radiation protection for physicians, patients, and staff.

What is the CorPath GRX System?

CorPath GRX is a second generation robotic-assisted percutaneous coronary intervention (PCI) system offering enhancements to the CorPath platform by adding important key upgrades that increase precision, improve workflow, and extend the range of procedures that can be performed robotically. These features include Active Guide Management which enables robotic control of the guide catheter along with the guidewire and balloon or stent catheter. Capabilities also include one-millimeter advancement and precise positioning, allowing physicians robotic control and may expand use of CorPath to more complex cases.

How does the CorPath GRX System work?

The CorPath GRX System enables the precise, robotic-assisted control of guide catheters, guidewires and balloon/stent devices from a radiation-protected interventional cockpit.
What are the benefits of using the CorPath GRX System?

There are three main benefits of performing interventions with robotics:

PROCEDURAL CONTROL
- Increase control via robotic-assisted operation of the guide catheter, guidewire, and balloon/stent catheter
- Enhance workflow with improved bedside features and simplified device exchanges

ROBOTIC PRECISION
- Position stents where you need them with 1mm movement and faster guidewire rotation for challenging anatomy
- Enhance workflow with improved bedside features and simplified device exchanges

PROTECTION
- Radiation-shielded cockpit enables procedural control and >95% dose reduction without wearing lead
- Potential to minimize painful orthopedic injuries

What kinds of procedures are being performed with the CorPath GRX System?

Physicians who have implemented CorPath Vascular Robotic Programs are performing many types of complex robotic-assisted interventions. CorPath GRX and its predecessor CorPath 200 are already being used in a variety of complex procedures including left radial PCI, multi-vessel interventions, tortuous anatomy, bifurcation lesions, unprotected left main, and high-risk PCI requiring ventricular assist.
What clinical trials have been performed or are underway with CorPath?

Corindus is investing in next-generation technology and clinical research to explore new frontiers of vascular robotics, along with additional disease segments. Corindus has 9 clinical trials planned for 2017 with over 1,200 patients.

Some notable findings from recent clinical studies are as follows:^

- The CORA-PCI Trial demonstrated 99.1% clinical success in complex cases along with comparable procedure times to manual PCI.²
- The PRECISE trial demonstrated a 95% reduction in radiation exposure to the primary operator.¹
- A single center trial published in the Journal of Invasive Cardiology demonstrated a 17% reduction in radiation dose to the patient compared to manual PCI.³
- A recent study demonstrated that accurate measurement of coronary anatomy, using CorPath, reduced the use of extra stents by 8.3%.⁴

Please visit our clinical trials page for more information on past and current clinical research. If you are interested in clinical research please contact your local Corindus representative.

^ Includes studies conducted using the CorPath 200 System

How much does the CorPath GRX System cost?

We have several options available to help hospitals launch a successful vascular robotic program. Please contact Corindus to learn more about pricing.

What are the future applications of the CorPath GRX System?

The CorPath GRX open-platform technology and intellectual property will enable Corindus to address other segments of the vascular market. The company is dedicated to advancing the technology of robotic therapy to provide comprehensive solutions to meet the needs of the cath lab. Together with our partners, we hope to transform the way interventions are performed to improve safety and outcomes for physicians, staff, and patients.


* Only the CorPath 200 System is indicated for use in peripheral vascular interventions.

** indicated for use with any .014” guidewire and rapid exchange balloon/stent catheter

† Compared to the CorPath 200 System

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The CorPath GRX System is intended for use in the remote delivery and manipulation of guidewires and rapid exchange balloon/stent catheters, and remote manipulation of guide catheters during percutaneous coronary intervention (PCI) procedures.

Caution: Federal law restricts this device to sale by or on the order of a physician.