

# Corindus

Vascular Robotics

## Precision Vascular Robotics

Corindus Vascular Robotics (CVRS)

October 2018



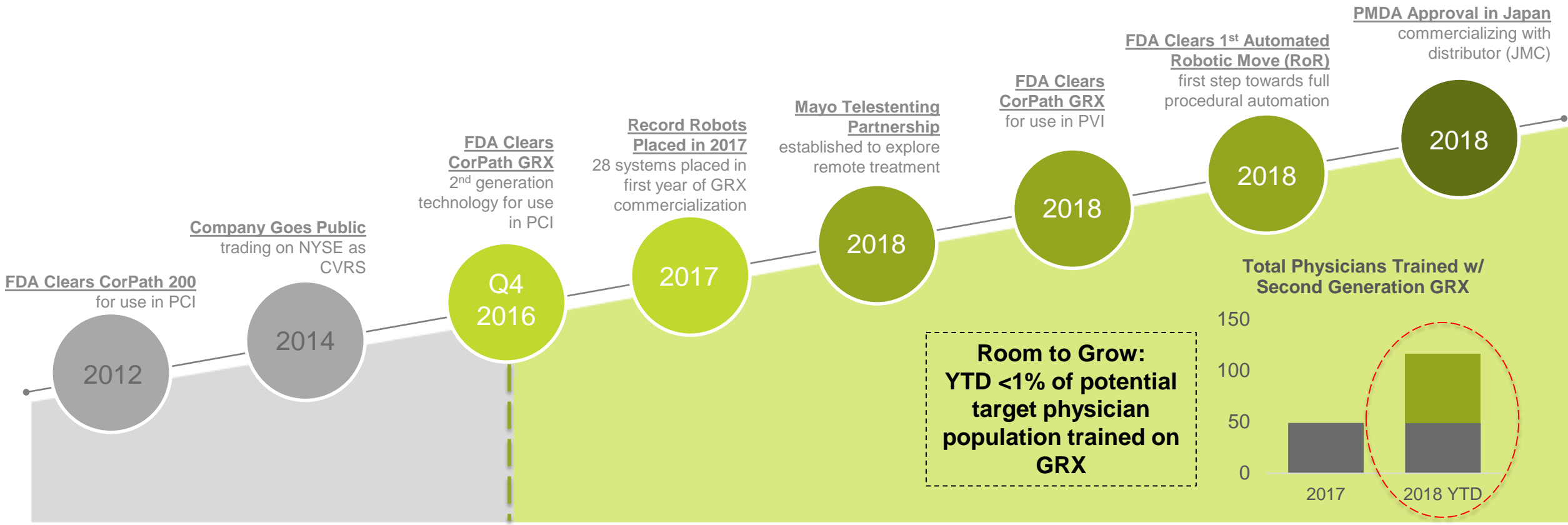
# Forward Looking Statements

This presentation contains “forward-looking statements” (as such term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended), and information relating to the company, that are based on the current beliefs of, and assumptions made by our management and the information currently available to our management. Forward-looking statements relate to expectations concerning matters that are not historical facts. Words such as "anticipate," "believe," "estimate," "expect," "intend," "plan," "predict," "opinion," "will" and similar expressions and their variants, are intended to identify forward-looking statements. These forward-looking statements include, but are not limited to statements related to our expected business, products and adoption of robotic medical procedures, including AI/automation, telestenting and remote procedures, and expanding our technology platform for use in the neurovascular market, results of operations, future financial condition, ability to increase our revenues, and similar matters. These forward-looking statements should be considered in light of various important factors, including, without limitation, our ability to expand our technology platform and achieve the advances necessary for telestenting and remote procedures, including in humans; our ability to expand our technology platform for use in other segments of the vascular intervention market, including neurointerventional and other more complex cardiac interventions, obtaining necessary regulatory approvals for the use on humans and marketing of our products in the United States and in other countries, the rate of adoption of our CorPath System and the rate of use of our cassettes; risks associated with market acceptance, including pricing and reimbursement; our ability to enforce our intellectual property rights; our need for additional funds to support our operations; our ability to manage expenses and cash flow; factors relating to engineering, regulatory, manufacturing, sales and customer service challenges; potential safety and regulatory issues that could slow or suspend our sales; the effect of credit, financial and economic conditions on capital spending by our potential customers; the impact of global and regional economic and credit market conditions on health care spending; health care reform legislation in the United States and its impact on hospital spending, reimbursement and fees which will be levied on certain medical device revenues, decreases in hospital admissions and actions by payers to limit or manage surgical procedures timing and success of product development and market acceptance of developed products, procedure counts; regulatory approvals, clearances and restrictions; guidelines and recommendations in the health care and patient communities, intellectual property positions and litigation, competition in the medical device industry and in the specific markets of surgery in which we operate, the inability to meet demand for products, the results of legal proceedings to which we are or may become a party, product liability and other litigation claims, adverse publicity regarding our company and safety of our products and the adequacy of training; our ability to expand in foreign markets; and other risk factors. Readers are cautioned not to place undue reliance on these forward-looking statements, which are based on current expectation and are subject to risks, uncertainties; and assumptions that are difficult to predict, including those risk factors described in the Company's Annual Report on Form 10-K for the fiscal year ended on December 31, 2017. Our actual results may differ materially and adversely from those expressed in any forward-looking statements. We undertake no obligation to publicly update or release any revisions to these forward-looking statements except as required by law.

# Corindus: An Overview

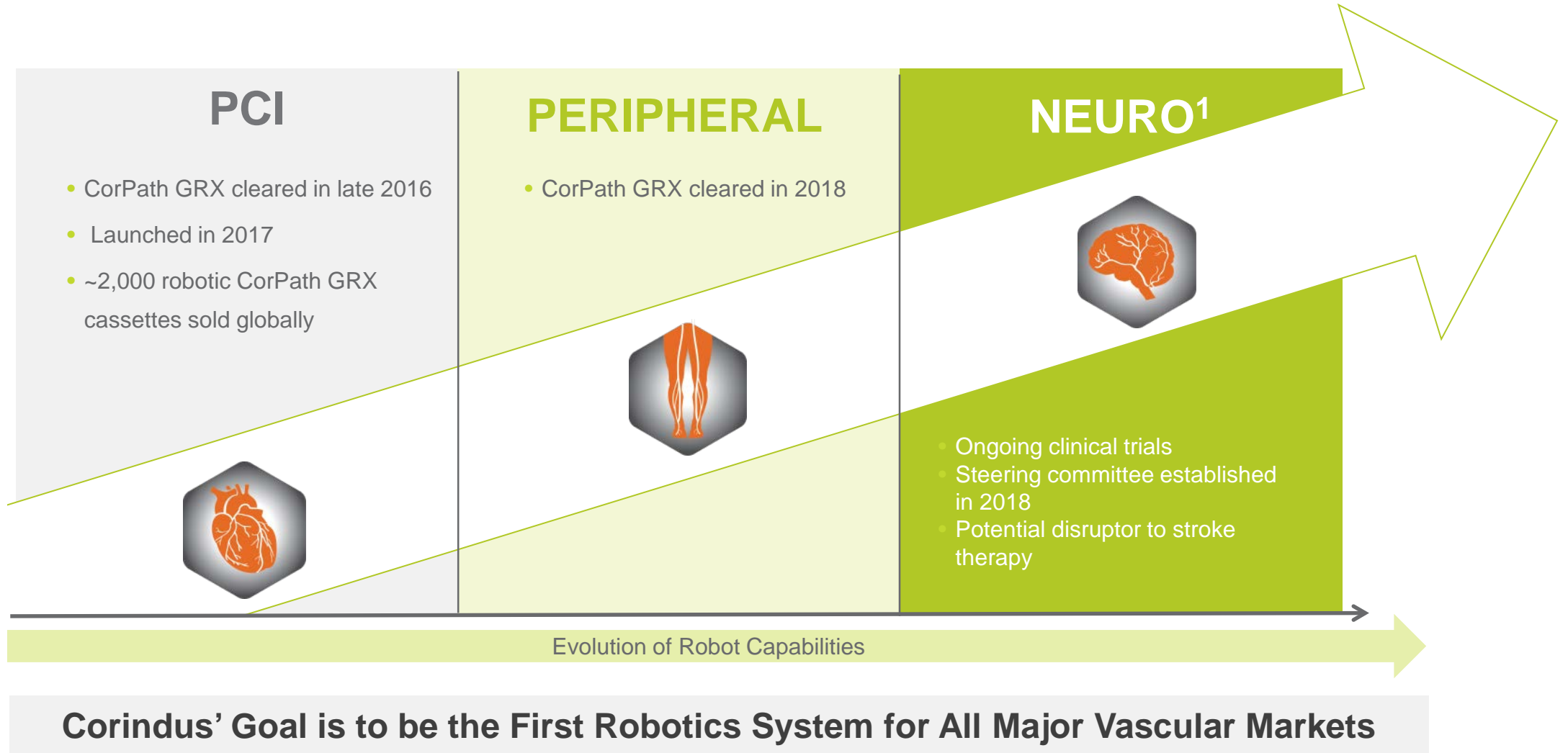
## A Global Leader in Robotic-assisted Vascular Interventions

**Commercialization of CorPath GRX in 2017 was a Key Inflection Point, Accelerating Physician Adoption**



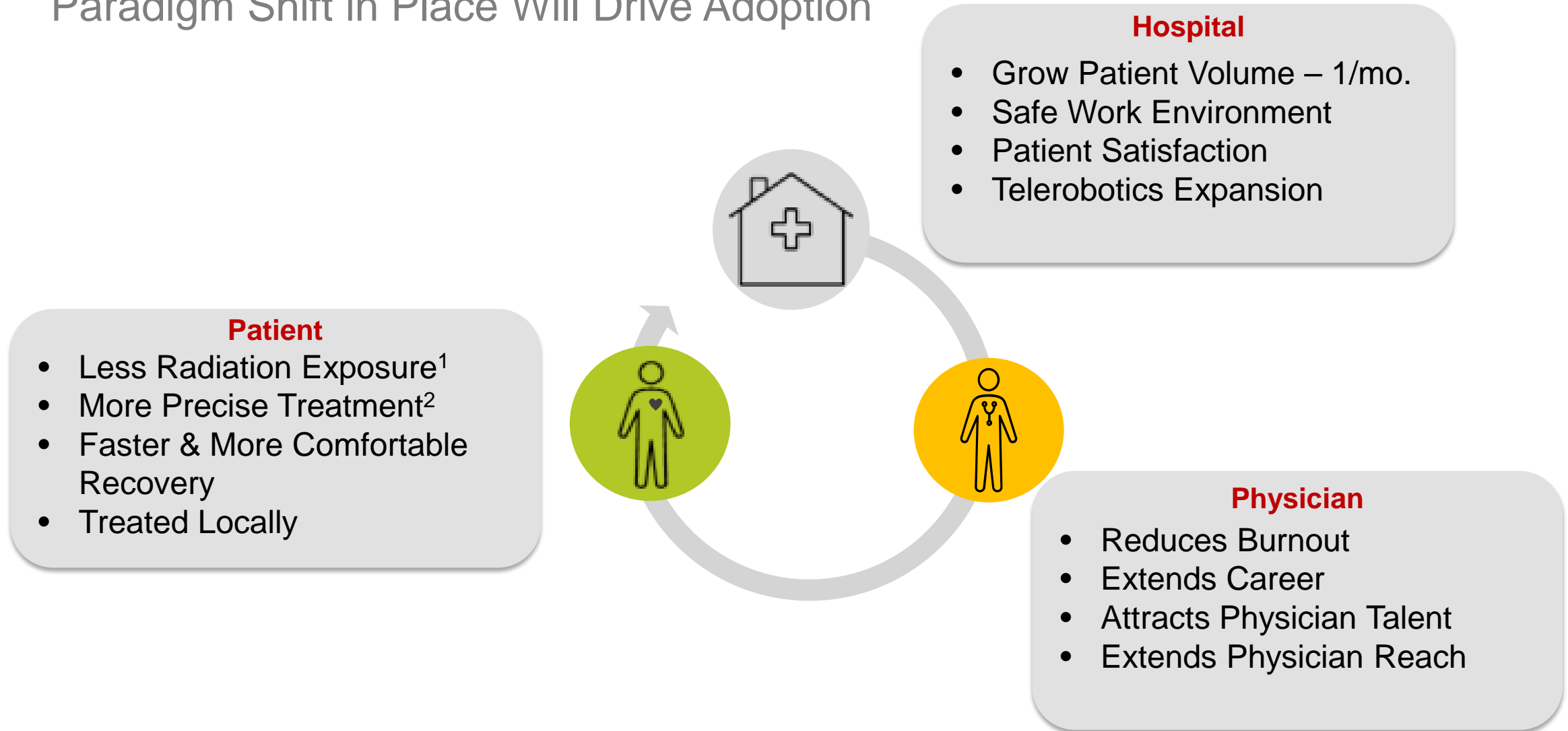
# Corindus' Robotic Technology

Potential to be First Disruptive Treatment Option in Vascular Medicine in 40+ years



# Adding Value in PCI & Peripheral Across Key Stakeholders

Paradigm Shift in Place Will Drive Adoption



<sup>1</sup> Smilowitz N, et al. Robotic-Enhanced PCI Compared to the Traditional Manual Approach. J Invasive Cardiol, 2014;26(7):318-321.

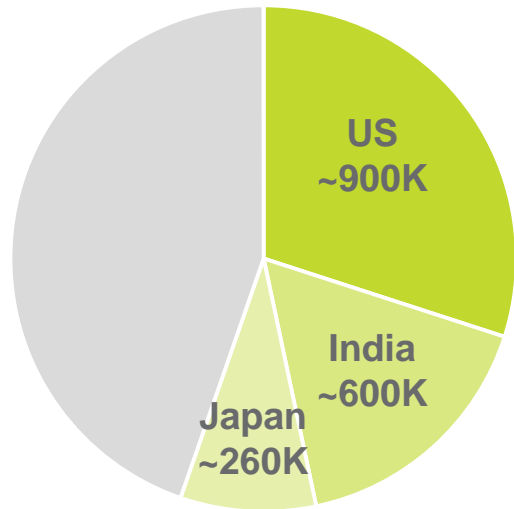
<sup>2</sup> Campbell PT, et al. The Impact of Precise Robotic Lesion Length Measurement on Stent Length Selection: Ramification for stent savings. Cardiovasc Revasc Med. 2015;pii:S1553-8389.

# Substantial Market Opportunity

Targeting Subsets Where Technology Platform Adds Value

## PCI

**3+ M Procedures WW<sup>1</sup>**  
(~900K US / ~2.2M OUS)

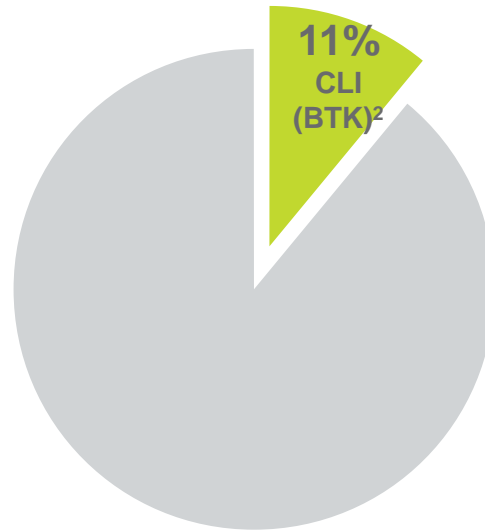


**Target Market:**

US (Complex) / OUS (Simple / Complex)

## PERIPHERAL

**Over 2+ M Procedures WW<sup>1</sup>**  
(~875K US / ~1.3M OUS)

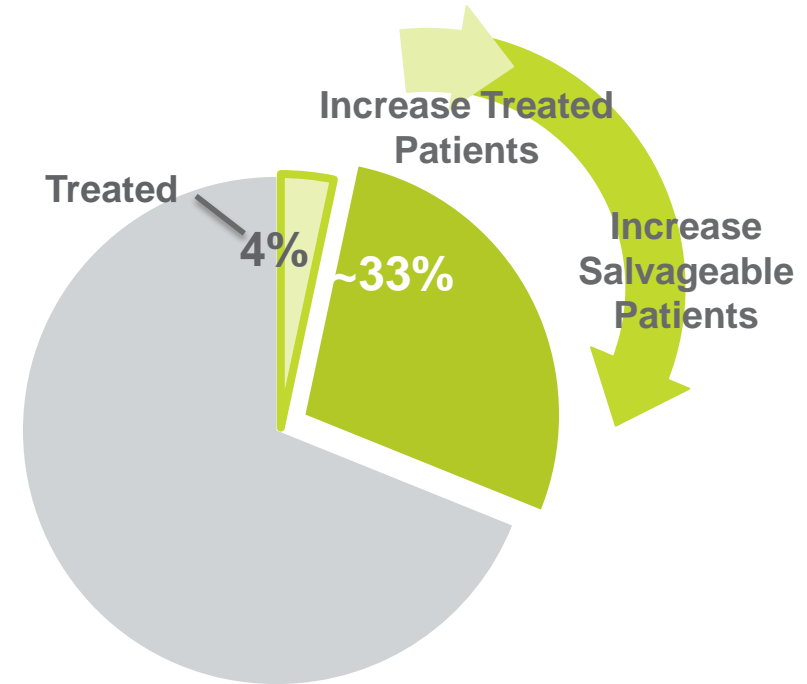


**Target Market:**

CLI (BTK)

## NEURO

**~900K Stroke Incidence US<sup>3</sup>**



**Target Market:**

Expand TAM with remote access

<sup>1</sup> Millennium Research Group. Reduced OUS market size to reflect target markets only.

<sup>2</sup> Decision Resources Group

<sup>3</sup> Company estimates based on third party report


# Robotics Integrates Into High Tech Care Models

Allow Procedures to be Performed

Devices



Artificial Intelligence



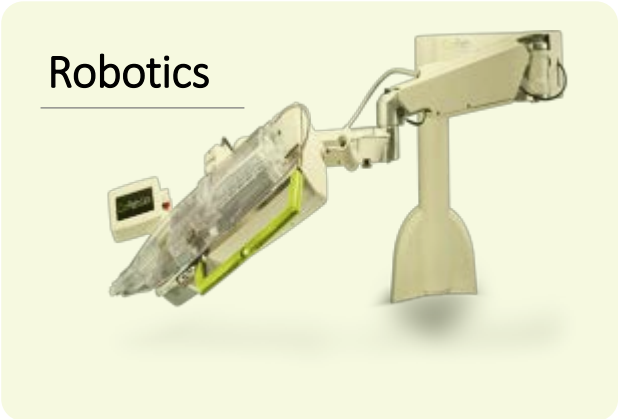
Imaging



Navigation



Robotics



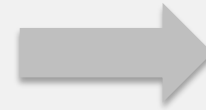
Remote



## Problem



- High percentage of procedure time is dedicated to wire manipulation
- Varying skill levels among operators



## Strategy

- Create algorithms based on techniques of highly skilled operators
- Reduced procedure time may positively impact patient outcomes

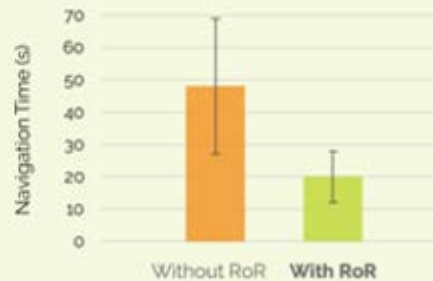


Rotate on Retract



Software algorithm that automatically rotates wire upon joystick retraction

53% reduction in wiring time with reduced variability



## Continued development of technIQ™ Series

New automated movements aimed at reducing navigation time, increasing success of lesion crossing



# Addressing Unmet Needs

Realizing remote capabilities

## Problem

- Access to treatment in remote/rural locations
- Aging patient population
- Shortage of skilled specialists
- **Emergent procedures:** Time to treatment is critical

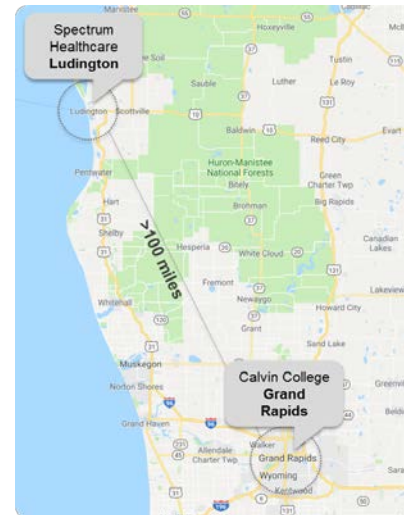


## Strategy

- Increase access to care & reduce time to treatment
- Expand capable facility footprint
- Enable tele-proctoring

## Key Accomplishments

- Initiated preclinical studies with the Mayo Clinic
- Rapid technology development & end user testing
- Remote porcine test case from 100+ miles away



*Dr. Ryan Madder conducting first successful telestent procedure in porcine model from Ludington, MI*

# Neurovascular Steering Committee / Milestones

## Product Optimization for Remote Stroke Underway

### Steering Committee

#### CMO, Neuro



**Aquilla S. Turk, D.O.**  
Medical University of South Carolina



**Ricardo A. Hanel, M.D. PhD**  
Baptist Health System



**Tudor G. Jovin, M.D.**  
University of Pittsburgh Medical Center



**J. Mocco, M.D.**  
Mt. Sinai Hospital



**Raul G. Nogueira, M.D.**  
Grady Memorial Hospital



**Vitor Mendes Pereria, M.D.**  
Toronto Western Hospital



**Adnan Siddiqui, M.D.**  
Toshiba Stroke & Vascular Research Center



**Satoshi Tateshima, M.D.**  
Ronald Reagan UCLA Medical Center



**Raymond D. Turner, M.D.**  
Medical University of South Carolina

2018

2019

✓ KOL Neuro Summit

✓ Steering Committee Formed

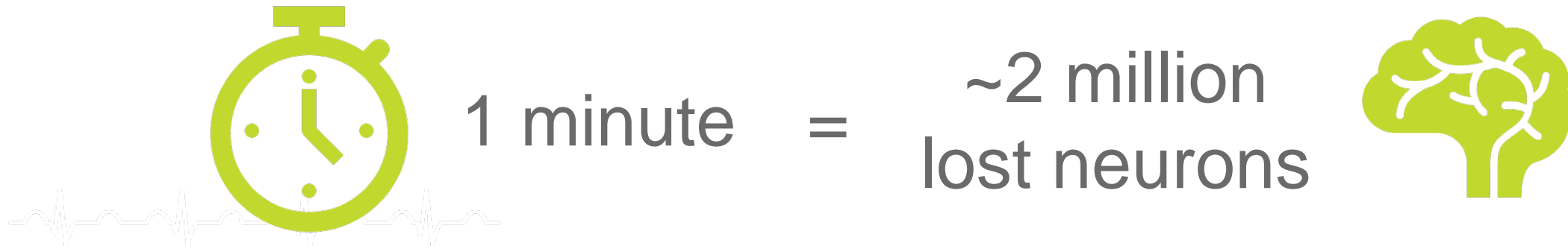
✓ Multiple Neuro Animal Lab Studies

CorPath GRX FDA Submission<sup>1</sup>

GRX Neuro Product Launch<sup>1</sup>

Neuroendovascular Remote Robotic Development<sup>1</sup>

# Stroke: Time to Treatment is Key



**7+ million** ► stroke survivors<sup>1</sup>

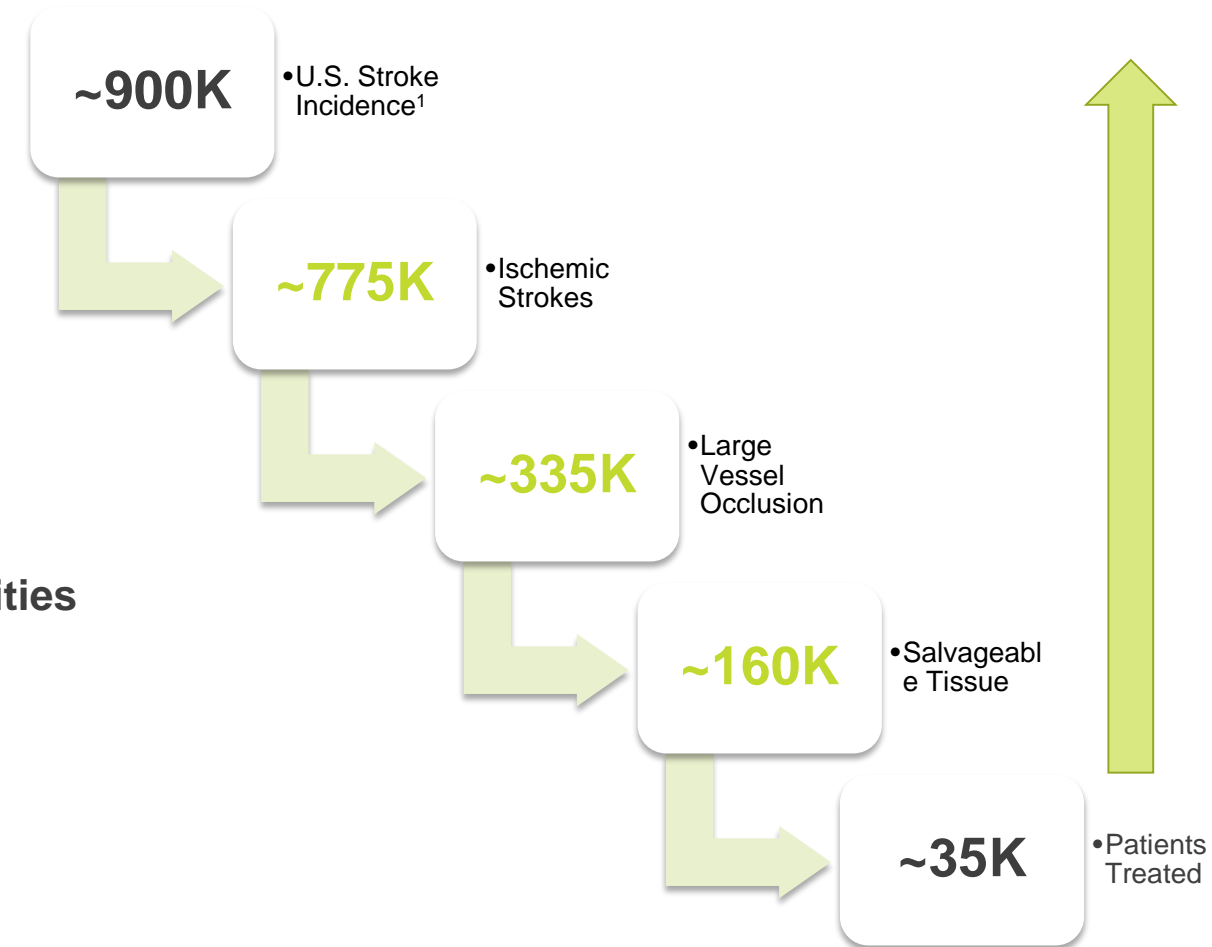
**5th** ► Leading cause of death in the US (**1** in **19** deaths)<sup>1</sup>

**2/3** ► With a moderate-to-severe disability<sup>1</sup>

**1 second** ► Ages a patient by 9 hours<sup>1</sup>

# Remote Access Capabilities May Significantly Increase TAM

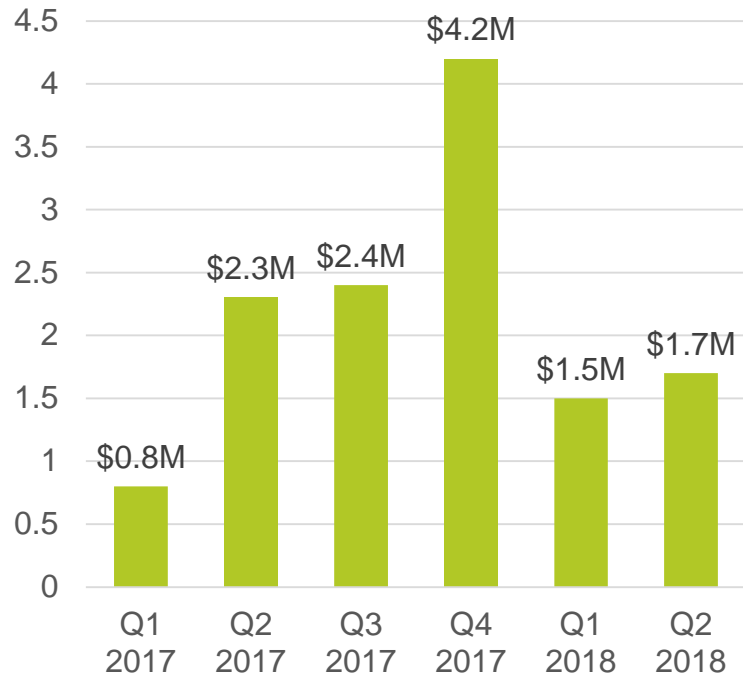
- Treatment within 24 hours is critical
- Yet only a fraction of patients (~35K) are treated due to:
  - Lack of proximity to facilities
  - Limited number of specialists
- Rapidly expanding market expect to grow from \$1B today to \$2.6B by 2026<sup>2</sup>
- **Remote Access Capabilities: Multiple Growth Opportunities**
  - + Increase patients treated with remote access
  - ↗ Expand market further with next generation robot



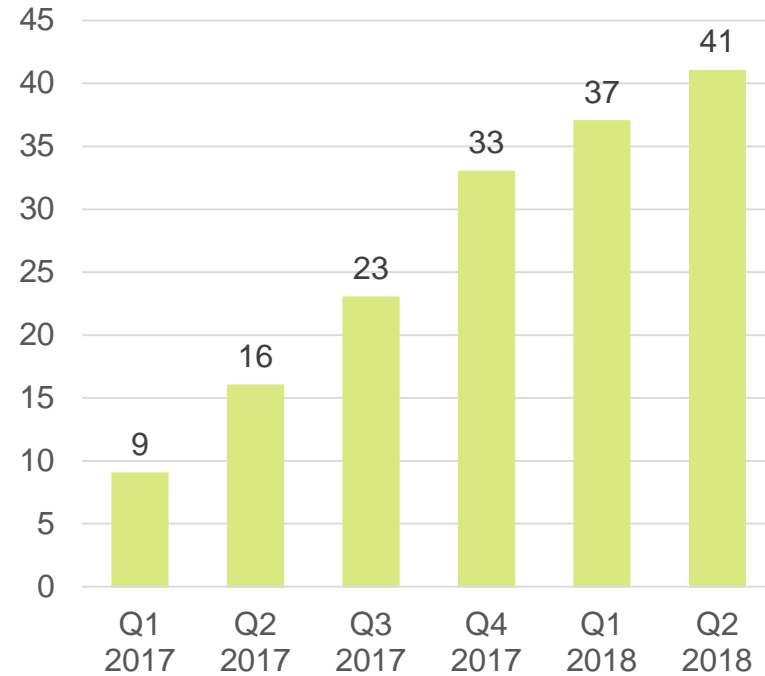
**Potential to Significantly Expand Treatable Patients: More Procedures in a Growing Market**

# Financials Snapshot

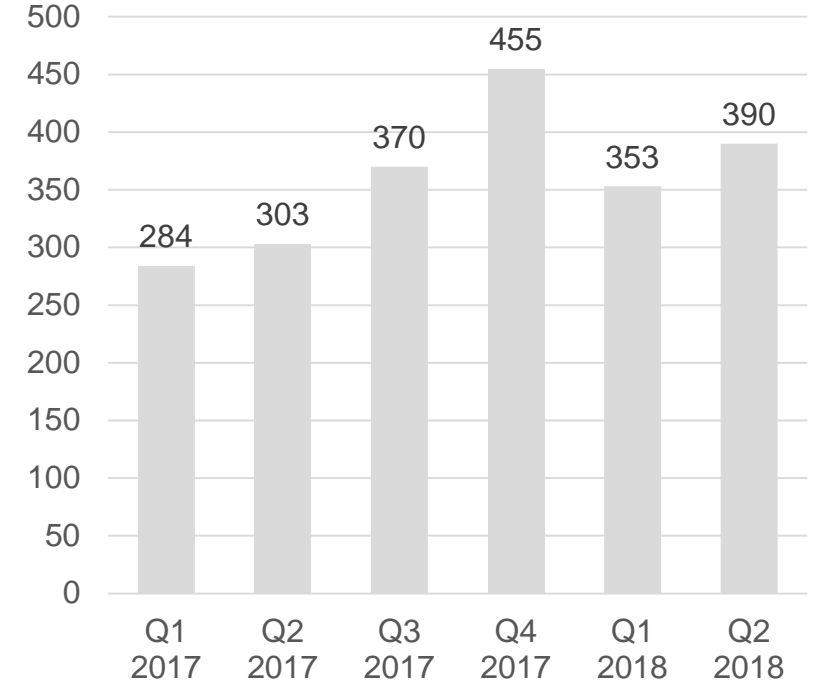
## Revenue



## GRX Installed Base



## Cassette Sales



~Cash balance of \$34.3M, Debt of \$11.6M, 188.9M shares outstanding and 1M preferred (convertible to 20.2M common shares) as of June 30, 2018

Sites that upgraded from a CorPath 200 to a CorPath GRX have, on average, nearly doubled the percentage of PCI procedures performed robotically

# Clinical Catalysts: Next 12-24 Months

## Key Expected Milestones for Clinical Development

### **Remote**

- Live remote PCI at TCT 2018
- First-in-human completed by year-end 2018 in India
- Planned US clinical trials

### **Neuro**

- FDA submission for neuro indication by year-end 2018 or early 2019
- Partnership for commercialization and co-development
- FDA clearance and launch of CorPath GRX for neuro in first half 2019

- Significant progress in technology development and clinical expansion is creating a burning platform for hospitals to build a robotic program
- AI / automation and remote access have the potential to add significant value to hospitals, patients, and doctors in the interventionalist market
- Remote capabilities have the ability to increase TAM of the stroke market with opportunity to further expand the addressable market post launch of the next generation robot
- Strong intellectual property portfolio / first mover advantage

**Corindus is a Leading Vascular Robotics Company with Opportunities in Coronary, Peripheral, and Neurovascular Markets**