

# THE TELEROBOTIC\* REVOLUTION

There are challenges with global access to timely, specialized cardiovascular & stroke treatment:



## Geographic & Socioeconomic Barriers

**1/2**

the world lacks access to essential health services<sup>2</sup>

**1/5**

of U.S. residents live beyond 60-minutes of a PCI hospital<sup>3</sup>



**18**

**MILLION DEATHS PER YEAR**

from cardiovascular disease, including stroke<sup>1</sup>

## Shortage of Skilled Specialists



A shortage of up to **61,000** U.S. non-primary care physicians is predicted by 2030<sup>4</sup>

In India, there are only **3-5** interventional cardiologists **PER 1 MILLION PEOPLE**<sup>5</sup>

## Short Treatment Window



**90 MIN**

for STEMI (heart attack)<sup>6</sup>

**24 HOURS**

for ischemic stroke/large vessel occlusion<sup>7</sup>

## For Stroke: Time=Brain



**1 MINUTE = 2 MILLION** lost neurons

**2/3** of stroke survivors suffer from a moderate-to-severe disability<sup>8</sup>

## THE TELEROBOTIC\* INTERVENTION STUDY

### WORLD'S 1<sup>ST</sup> TELEROBOTIC\* STENTING PROCEDURE

#### STUDY GOAL

Demonstrate safety and feasibility of remote telerobotic\* PCI utilizing Corindus' flagship CorPath GRX System with developmental remote technology

**CorPath GRX**

Precision Vascular Robotics

#### PROCEDURE DISTANCE

**20 MILES (32 KM)**

Gandhinagar > Ahemdabad, Gujarat, India

#### DATE

DECEMBER  
**4<sup>TH</sup> & 5<sup>TH</sup>**  
2018

#### LEAD PHYSICIAN

**TEJAS PATEL, M.D.**

Chairman and Chief Interventional Cardiologist of Apex Heart Institute



#### OUTCOME

Performing long distance tele-R-PCI in patients with CAD is feasible with predictably successful outcomes if reliable network connectivity and local cardiac catheterization facilities are available.



## POTENTIAL BENEFITS OF TELEROBOTICS\*

Telerobotic\* intervention has the potential to:

1



Significantly **reduce** rates of death and permanent disability

2



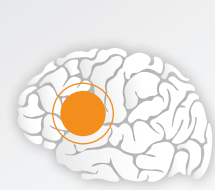
Significantly **reduce** time to treatment

3



Provide **greater** access to highly skilled specialists

4



**Increase** number of treated patients, especially in stroke

Join the Telerobotic\* Revolution. Visit [www.corindus.com](http://www.corindus.com) today.

1. <http://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-cvds>  
 2. <http://www.who.int/news-room/detail/13-12-2017-world-bank-and-who-half-the-world-lacks-access-to-essential-health-services-100-million-still-pushed-into-extreme-poverty-because-of-health-expenses>  
 3. Madder, Ryan. The First Remote PCI from 100 Miles Away. In TCT; 2018 September 21-25; San Diego, CA.  
 4. [https://aamc-black.global.ssl.fastly.net/production/media/filer\\_public/85/d7/85d7b689-f417-4ef0-97fb-ecc129836829/aamc\\_2018\\_workforce\\_projections\\_update\\_april\\_11\\_2018.pdf](https://aamc-black.global.ssl.fastly.net/production/media/filer_public/85/d7/85d7b689-f417-4ef0-97fb-ecc129836829/aamc_2018_workforce_projections_update_april_11_2018.pdf)  
 5. Kaul U. The new pricing policy for coronary stents in India: a boon or a bane? EuroIntervention. 2017 June 20.  
 6. <https://www.cardiosmart.org/Heart-Conditions/Guidelines/Heart-Attack-Guidelines>  
 7. <https://www.acc.org/latest-in-cardiology/ten-points-to-remember/2018/01/29/12/45/2018-guidelines-for-the-early-management-of-stroke>  
 8. American Heart Association. Heart Disease and Stroke Statistics 2018 Update At-a-Glance  
 \* Remote capabilities are currently under development; it is not for sale. Its future availability cannot be guaranteed