

Advanced Bifurcation Systems has Potentially Groundbreaking Technology to Treat Heart Disease

Charles Laverty of Advanced Bifurcation believes innovative new dual catheter system could provide aid in th treatment of bifurcation lesions.

LOS ANGELES, CALIFORNIA, UNITED STATES, May 24, 2018 /EINPresswire.com/ -- Innovative new technology could lead to a [breakthrough in the treatment of heart disease](#). Charles Laverty of Advanced Bifurcation systems believes that the dual catheter system patented by the company could provide much-needed progress, particularly in one of the most troublesome areas of cardiovascular disease – bifurcation lesions.

In established nations, the common approach for handling narrowed arteries that trigger angina is to utilize stents. This helps to prevent heart disease as arteries stay open and blood can flow.

Health care systems under strain
Cardiovascular disease and stroke are a huge concern in the United States. They cause widespread problems, and the economy suffers, costing the country in excess of \$317 billion a year

The United States and Canada purchase the largest number of coronary stents worldwide, according to a recent report. Europe comes next, followed by the Asia-Pacific area, where China with its large population also has problems with the consequences of stroke.

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We hope that FDA review will show that our platform can address many of the problems caused by treatment for bifurcation lesions and will allow patients to return to work almost immediately.”

Charles Laverty



Charles Laverty ABS CEO

Coronary stents are not used as much in underdeveloped nations, like Africa, due primarily to the absence of facilities and experienced medical professionals. Political instability, poverty and an absence of awareness are also prevalent in these nations.

The majority of Percutaneous Coronary Interventions (PCIs), are carried out using stents, and these stents have developed throughout the years. One example of this is drug eluting

stents which lower the threat of arteries renarrowing (restenosis). The frequency of cardiovascular disease suggests that in spite of improvements, a demand exists for more affordable, effective procedures.

Bifurcation lesions present a significant issue when performing PCIs. It is hard to position stents in main and secondary branches of an artery without having any overlaps or gaps. Procedures are usually intricate and prolonged, creating more risk for patients.

These were the problems faced by Dr. Mehan Khorsandi over ten years ago and caused him to experiment. As an interventional cardiologist, he wanted to find a method to make dealing with bifurcation lesions simpler and less subject to errors like gapping and overlapping. The solution he created handles all the concerns typically experienced in such procedures. Charles Laverty is convinced that the dual catheter system he invented will streamline the treatment, decrease expenses and enhance the outcomes. It could also lessen the need for heart surgery to resolve problems.

Revolutionary dual catheter system

The ABS dual catheter system is groundbreaking in that it permits stents to be positioned in the main and

secondary branches concurrently. Interventional cardiologists will have no further need to struggle with trying to place the stents. The ability of the system to self-align takes care of this.

This streamlines the treatment to the degree that it can be carried out as an outpatient procedure and interventional cardiologists hardly need any further training to use this method. This could mean more such operations being performed in underdevelopment countries and millions of more individuals benefiting from the use of stents to prevent heart attacks.

[Charles Laverty is looking forward to the day when patients can benefit](#) from treatment with the dual catheter system. They will not experience the typical problems caused by treatment for bifurcation lesions. They will have the procedure and return to work almost immediately. Even if they suffer from a complex bifurcate lesion, the system can resolve it, and they are likely to avoid open-heart surgery.

Laverty already has partners on six continents who will help to make sure that as many individuals as possible are introduced to the benefits of this groundbreaking system.



Dr. Mehan Khorsandi, co-founder of Advanced Bifurcation Systems



Advanced Bifurcation Systems

ABS hopes to submit their application for FDA review soon. The day will come when this is all behind them, and the world is able to benefit from this system that has the potential to address one of the biggest problems experienced today. It could not only reduce a significant burden on the economy but offer hope to many heart patients.

About Advanced Bifurcation Systems

Advanced Bifurcation Systems develops and patents medical devices. One of these is a dual catheter system that is set to change the way bifurcation lesions are treated. If you want to know more about this ABS and this new technology, visit the website at www.advancedbifurcation.com

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