Robocath
intuitive vascular robotics

CHU Rennes

Press release

Robocath and Rennes University Hospital launch co-development research program into treatment of strokes in partnership with Philips France

Rouen and Rennes, France, July 7, 2021 – Robocath, a company that designs, develops and commercializes robotic solutions to treat cardiovascular diseases, and Rennes University Hospital, today announce the launch of a co-development research program using robotics to improve treatment for stroke victims.

With the support of Philips France, this unique program will be implemented over the next four years. It will focus on the use of robotics in treating strokes, the second most common cause of death globally after myocardial infarctions. The program will begin with a clinical study into the treatment of carotid artery disease using R-One™, the first robotic platform developed by Robocath, which has been on the market since 2019. This first-generation robotic solution was designed to improve the treatment of cardiovascular disease by enhancing physicians' movements through increased precision. It also helps medical staff to drastically reduce their exposure to X-rays.

Following the clinical study, the partnership will become an active R&D collaboration aimed at improving and enhancing current and future generations of robotic solutions, based on the synergy between both parties' skills and know-how.

Dr. François Eugène, Interventional Neuroradiologist at Rennes University Hospital, said: "I am delighted to be launching this scientific research partnership with Robocath and to be working with this passionate team. Robotics is already successfully used to treat coronary disease in humans. The benefits of this technology can also be applied to the treatment of certain neurovascular diseases. This is largely because precision of movement is a key factor in treating stroke patients; the use of robotics will increase the success rate of these procedures. I'm very excited to get started on the clinical study."

Philippe Bencteux, President and Founder of Robocath, explained: "This unique partnership will enable Robocath to enter the next phase of its development strategy. The research program opens up promising new avenues for both our current and future generations of robotic solutions."

Lucien Goffart, Robocath's CEO, added: "This collaboration proves that there is considerable interest in robotics in the medical sector. It demonstrates the whole scope of potential applications in a range of specialist vascular fields. The combination of Dr. Eugène's enthusiasm and the support of Philips France is the ideal recipe for the success of this research program, which will undoubtedly represent a pivotal moment in our company's history."



About Rennes University Hospital

Ranked among the top ten university hospitals in France, Rennes University Hospital has a capacity of almost 1,900 beds and treatment rooms spread over four sites. In addition to a wide range of high-caliber clinical services, the hospital also boasts a cutting-edge medical technology platform dedicated to diagnostics and interventional medicine. It offers top quality care to the population of the city of Rennes and the surrounding region of Brittany, whilst also accepting referrals from further afield. In 2019, the hospital provided more than 597,650 consultations and admitted nearly 143,530 patients as well as treating 133,112 in the emergency department (this includes adult, cardiology, pediatric, gynecology and obstetrics, ophthalmology and dentistry patients).

Each day the hospital's 9,447 professionals, which includes 884 senior doctors, tackle matters of public health and devote themselves not only to handling issues linked to the Covid-19 pandemic, but also to treating stroke patients, combating cancer, treating cardiovascular disease, and providing care to elderly persons and patients in need of specialist care; in the fields of cardiac surgery, neurosurgery, neuroradiology and rare diseases among others.

When it comes to research and innovation, the hospital is involved in 14 mixed research initiatives, is a member of two certified hospital-university federations and is home to ten leading research platforms and facilities.

www.chu-rennes.fr

About Robocath

Founded in 2009 by Philippe Bencteux, MD, Robocath designs, develops and commercializes robotic solutions to treat cardiovascular diseases. As an active player in the evolving medical robotics industry, these innovative solutions aim to make medical procedures safer thanks to reliable technologies, while complementing manual interventions.

R-One™ is the first solution developed by Robocath. It uses a unique technology that optimizes the safety of robotic-assisted coronary angioplasty. This medical procedure consists of revascularizing the cardiac muscle by inserting one or more implants (stents) into the arteries that supply it with blood. Every 30 seconds, somewhere in the world, this type of procedure is performed. R-One is designed to operate with precision and perform specific movements, creating better interventional conditions. Thanks to its open architecture, R-One is compatible with market-leading devices and cath labs.

In a prospective, randomized, controlled pre-clinical trial, R-One demonstrated safety and efficacy as it achieved 100% technical procedure success and no MACE (*major adverse cardiovascular events)*.

R-One received the CE marking in February 2019 and started its clinical application in September 2019. Currently R-One is available in Europe and Africa.

Robocath aims to become the world leader in vascular robotics and develop the remote treatment of vascular emergencies, guaranteeing the best care pathway for all. Based in Rouen, France, Robocath has more than 60 employees.

www.robocath.com



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