



INSTITUT UNIVERSITAIRE
DE CARDIOLOGIE
ET DE PNEUMOLOGIE
DE QUÉBEC

AFFILIÉ À  UNIVERSITÉ
LAVAL



FOR IMMEDIATE RELEASE

News release

A FIRST OF ITS KIND AT THE QUEBEC HEART AND LUNG INSTITUTE – LAVAL UNIVERSITY

Quebec City, September 5, 2018 – A multidisciplinary team that includes cardiac surgeons (D^{rs}. François Dagenais and Éric Dumont), an interventional cardiologist (D^r. Josep Rodés-Cabau) as well as a cardiologist-echocardiographer (D^r. Mathieu Bernier) of the Quebec Heart and Lung Institute – Laval University (the Institute), an international leader in the medical field of cardiology, respirology, and obesity, has performed a procedure that is **a first of its kind in the world**, the implantation of a new catheterized mitral valve (Altavalve implant from 4C Medical Technologies, Inc. in Minneapolis) to treat mitral insufficiency in a patient who was too much of a risk having a mitral valve replaced or repaired with a regular surgery. The procedure was approved by Health Canada as part of the Special Access Programme, including exceptional cases and applying, among others, to patients who are too much of a surgical risk. It was performed with a minimal incision at the left side level of the thorax, and the valve is implanted through a catheter without the need of stopping the heart and using the extracorporeal circulation.

The 1st worldwide patient to get this procedure was treated at the Institute. In the future, this technology has the potential to benefit a large number of patients with mitral valve regurgitation for whom the risk of a regular surgery is considered too high.

The details of this implant were as follows:

- we don't need to stop the heart for the valve implantation;
- it remains completely at the left atrium level while not interfering with the function of the native mitral valve, making it right now unique among all other cardiac valve prostheses.

This procedure is a big step forward in the field of cardiology for the treatment of patients with mitral insufficiency. It is another example of the influence level as well as the standard of excellence demonstrated internationally by our institution. **An official news conference will be called in the coming days.**

ABOUT THE INSTITUTE – IUCPQ.qc.ca

Every year, 15,568¹ people are hospitalized and 122,952 visits were made on an outpatient basis for 43,690 users. The service area is more than 2 million people, which represents approximately 30% of Quebec's population. Affiliated with the Laval University, the institution counts on the cooperation and the dedication of more than 3,000 employees, physicians, professionals, researchers, managers as well as volunteers for providing quality care and services to both hospitalized and outpatient clientele. In particular, the Institute offers programs of specialized and ultraspecialized care and services to treat cardiovascular and respiratory diseases as well as those related to obesity. The Institute's physicians as well as health professionals have extensive expertise and contribute advancing the science of medicine. It also has as its mission to assess technologies and intervention methods in health. The Institute's Research Centre is recognized internationally for the quality of its science.

ABOUT THE RESEARCH CENTRE

The Research Centre's vision is to play an international significant role in the fight against societal chronic diseases through its model of integrated science in cardiology, in respirology as well as in obesity–type 2 diabetes–metabolism. It counts on the cooperation of 177 researchers and physicians scientists, many of whom are recognized as being leaders in their field. These world-class researchers are among the most productive in Quebec. In addition, the perfect correspondence of the research components to the Institute's specializations ensures a synergy between clinicians and researchers, thereby allowing a rapid knowledge transfer to the care.

FOR YOUR INFORMATION

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INSTITUTE'S PRESENCE ON SOCIAL NETWORKS

Institute's official Facebook page:
<https://www.facebook.com/IUCPQ.UL>

Institute's official Facebook group:
<https://www.facebook.com/groups/12145475431/>

Institute's YouTube channel:
<https://www.youtube.com/IUCPQ>

Institute's Twitter page @IUCPQ
<https://twitter.com/IUCPQ>

Institute's LinkedIn page:
<https://www.linkedin.com/company/iucpq>

IUCPQ Foundation's Facebook page:
<https://www.facebook.com/FondationIUCPQ/>

¹ 2017–2018 financial data