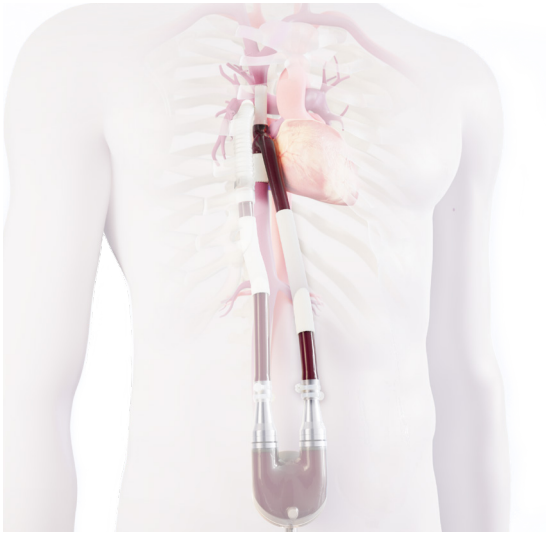
Berlin Heart®

PRESS INFORMATION

EXCOR® SUB-PULMONARY SUPPORT

FOR PATIENTS WITH FAILING FONTAN CIRCULATION

Patients with Fontan circulatory failure suffer from many Fontan associated end-organ dysfunctions like chronic liver congestion, plastic bronchitis, or protein losing enteropathy and urgently need a donor heart. While these comorbidities indicate a heart transplantation, at the same time they worsen its chance of success. The EXCOR® Venous Cannula is designed to offer a standardized implantation of the EXCOR® VAD to support the subpulmonary circulation of these patients.
The EXCOR® Venous Cannula can either be used in an univentricular or in a biventricular configuration to ensure subpulmonary and systemic support. This support aims to improve the patient's health status. An improvement of end-organ function and hemodynamics lead to better chances on the waiting list.
The EXCOR® Venous Cannula enables to build a bridge to transplant for patients with failing Fontan circulation.



EXCOR® VENOUS CANNULA, UNIVENTRICULAR

Using the Venous Cannula, we replace the missing function of the right ventricle by pooling the blood flow returning from the body and restoring pulmonary circulation with the pulsatile EXCOR® blood pump.

The EXCOR® Venous Cannula is designed to...

- **improve subpulmonary hemodynamics,**
- **reduce mortality and morbidity on the waiting list,**
- **reduce the complexity of the surgery,**
- **improve end-organ function.**

Background

Some children are born with a so called single-ventricle physiology: Instead of a two-chambered heart, they lack one of the ventricles or suffer from an imbalance, resulting in only one functional beating heart chamber (ventricle). In several operations the systemic (left) and pulmonary (right)-sided circulation are gradually separated to establish a stable body and pulmonary circulation. The last step is the so-called Fontan operation named after the French heart surgeon and pioneer Dr. Francis Fontan. Although this operation is life saving, it remains a palliation. Due to this unphysiological blood circulation, all Fontan patients experience a worsening of their heart and other organ function over time, a so called failing of their Fontan circulation.

Please read more about: https://www.berlinheart.de/en/medical-professionals/excorr-venous-cannula/

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