

The Original
RA-PA Bypass Cannula

PROTEKDUO

Veno-Venous RA-PA Bypass
RIJ Access
10 Years of Clinical Use



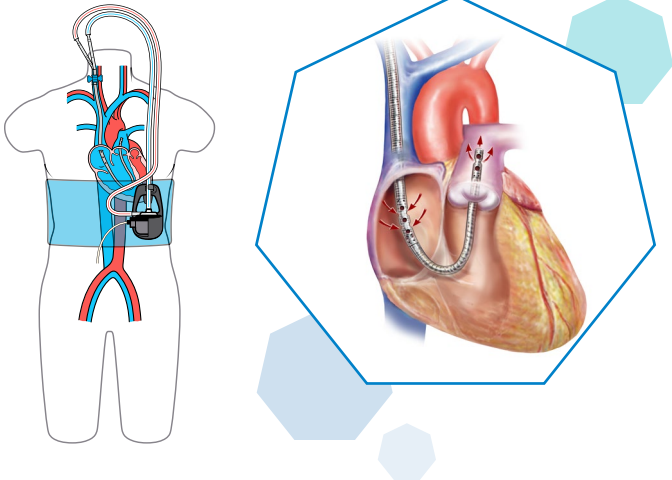
LivaNova

Advanced Circulatory Support

DESIGNED FOR VERSATILITY

The ProtekDuo™ cannula pulls deoxygenated blood from the Right Atrium and returns it to the Pulmonary Artery to be oxygenated by the lungs bypassing the right ventricle.

When used with an oxygenator, the unique RA-PA configuration is designed to minimize the risk of recirculation due to the distance between the ports.



SINGLE VESSEL ACCESS

The ProtekDuo cannula has a unique cannula-within-a-cannula design that allows for percutaneous, single venous access at the Right Internal Jugular Vein.

ProtekDuo RIJ Access Provides:

- Stable cannula position that may result in fewer after-hours calls to the physician
- Ability for patients to remain awake; may be able to listen and respond to ICU staff members' commands
- The option for patient mobility and rehabilitation while on support



With **PROTEKDUO™**, You've Got Options



THE POWER OF LIFESPARC™

- The ProtekDuo kit is powered by the LifeSPARC system, featuring a partially magnetic levitating ECMO pump capable of 5-7 LPM of flow with percutaneous cannulation.
- The LifeSPARC System's small footprint helps to address the limited space in the patient care setting. The Controller GUI is simplified to limit the burden of staff training.



FULL PORTFOLIO OF OPTIONS

- LivaNova ACS offers a full portfolio of products to complement the use of ProtekDuo.
- From the convenience of insertion kits to the option to add the TandemLung™ Oxygenator or VoyagerVest™ our full product book can be leveraged to meet your center's specific needs.



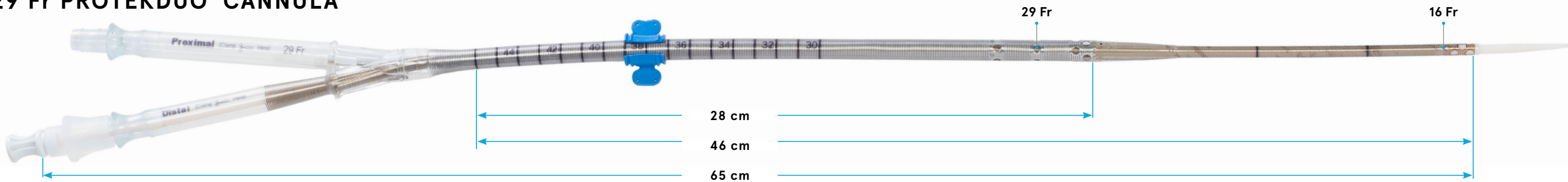
BACKED BY YEARS OF CLINICAL EXPERIENCE

- For centers looking to expand programs or engage in educational opportunities, our Professional Education Consultants will customize advanced education to support the use of our devices across specialties and therapeutic areas.
- The LivaNova ACS Professional Education Consultants team consists of skilled experts with a wide range of bedside experience.

31 Fr PROTEKDUO™ CANNULA



29 Fr PROTEKDUO™ CANNULA



ORDER INFORMATION

Contact your local sales representative or dial (800) 373-7421 to speak to a customer service representative.



PROTEKDUO™ CANNULA



**LIFESPARC™
PUMP & ACCESSORIES**



VOYAGERVEST™



**TANDEMLUNG™
OXYGENATOR**

Cannula Size	ProtexDuo Procedure Kit (includes cannula, pump and accessories)	ProtexDuo Cannula (includes cannula and 14-26 Fr dilator set)
ProtexDuo - 29 Fr	5820-2916	5140-4629
ProtexDuo - 31 Fr	5820-3118	5140-5131

LifeSPARC System: The LifeSPARC System is a centrifugal blood pump system intended to assist in circulation of the patient's blood when part of an extracorporeal circuit including physiologic gas exchange of the patient's blood in adult patients with acute respiratory failure or acute cardiopulmonary failure, where other available treatment options have failed, and continued clinical deterioration is expected or the risk of death is imminent. These may include: (i) Failure to wean from cardiopulmonary bypass following cardiac surgery in adult patients; or (ii) ECMO-assisted cardiopulmonary resuscitation in adults | **ProtexDuo 29 and 31 Fr and Venovenous Cannulae:** The ProtexDuo Venovenous Cannula Set is intended for use as a single cannula for both venous drainage and reinfusion of blood via an internal jugular vein during extracorporeal life support procedures. | **TandemLung Oxygenator:** The TandemLung Oxygenator (TLO) is intended to be used for adult patients for extracorporeal circulation during cardiopulmonary bypass in the field of open-heart surgery. Within the indicated flow rates blood is oxygenated and carbon dioxide is removed. The utilization period of this device is restricted to six hours. | **VoyagerVest:** The Voyager Vest is intended to provide secure attachment of Extracorporeal Life Support (ECLS) components (pump, oxygenator, and tubing) to the patient during cardiopulmonary bypass.

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ACS-230047
03/2023