has a heart and soul

The soul of Amplya™: selective clearance

Blood is the tissue that connects all organs. It controls the functionality of each organ by permitting cellular survival, regulation and growth. It transports nutrients and removes the waste products of cellular metabolism.

Complementary use of filtration and adsorption can remove the molecules involved in organ damage while retaining essential components, such as albumin, and can encourage functional recovery of the organ.

Amplya™ intervenes in this process by delivering a specific and targeted treatment for an individual disease.

The soul of Amplya™ is an innovative concept born from Collaborative Research between University Hospital and Industry.

The most suitable treatment

Personalized treatment and fast intervention

Advanced support for organ failure

Beyond management of complex treatments

Broadest variety of treatment modalities

Simplicity of one single system to execute the therapeutic process

The serenity of automated, simple, and round-the-clock management

Unique therapeutic choice

Reduced and optimized operational sequences

Advanced and targeted personalisation capability

Complete control of the therapeutic process

Bibliography

11) Cesano G, et al. Hemodynamic response to coupled plasmafiltration-adsorption in hu-

Therapeutic development

In critical care, tackling organ failures in real-time with an integrated and personalised approach is a priority for effectively treating diseases such as sepsis, renal failure, respiratory and above 50%. AMPLYA™ is a critical care multitherapeutic system from the more conventional to adsorption treatments.

Amplya™ for patients

An acute patient in critical care may suffer from multiorgan failure – a crippling and often lethal condition.

Amplya™ offers a complete treatment.

Amplya™ for critical care staff

AMPYLA™ provides for the needs expressed of nursing and critical care staff offering:

- The simplicity of one single system in an already crowded system.
- The accelerated velocity of treatment invading fail.
- The slenderness of a dedicated staff with all the clinical management of combined treatments.
- A reduced number of staff interventions for operational improvements at all time.

Amplya™ for clinicians

AMPYLA™ provides for the needs of clinicians delivering:

- Versatility and fast intervention.
- Advanced and targeted personalisation capability.
- Complete control of the therapeutic process.

**WHAT**

A wide therapeutic choice

The history of Bellco is that of a company always open to new horizons, a company always looking for innovative and specific treatments for patients in need.

The goal of the Bellco Research Center is to provide solutions to clinical needs that cannot be met by standard therapies. The goal of the Bellco Research Center is to provide solutions to clinical needs that cannot be met by standard therapies.

**HOW**

The added value of Amplya™

The Amplya™ system represents a significant step forward in the field of extracorporeal blood purification. Its unique design and functional characteristics make it suitable for a wide range of applications.

The system offers a high degree of flexibility and versatility, allowing for the customization of treatment protocols according to patient needs.

**COMPONENTS**

- A wide range of disposable devices
- An easy-to-use control panel
- A comprehensive set of tools and accessories

**FIT**

Amplya™ was designed with user-friendliness in mind. The system is easy to use and requires minimal training.

**COMPLETENESS**

Amplya™ offers a complete solution for blood purification, covering all aspects of extracorporeal therapy.

**AUTOMATION**

The system is fully automated, ensuring consistent and reliable results.

**INTUITIVENESS**

Amplya™ is designed with an intuitive interface, allowing users to easily navigate through the system's various functions.

**TECHNOLOGIES**

- Dual cassette plug & play system
- Fast and safe disposable installation
- Fully automated preparation and treatment
- Personalised CPFA® management with controlled servo-assisted flows
- Automatic level control
- Optical self-recognition of the single use pre-assembled device
- Over 300 hours of stored data, accessible by an PC
- Touch screen
- Immediate operator interface
- Flexible operating sequences
- One cassette system for all modalities

**CRRT (SCUF, CVVH, CVVHD, CVVHDF)**

**IRRT (HDF-HVHF, IHD, SLED, IHDF)**

**PEX**

**CPFA®**

**CASCADE FILTRATION**

**CO₂ REMOVAL (ABYLCAP & ABYLCAP HD)**

**AMPLYA™: A LIFE-SAVING SYSTEM**

AMPLYA™ is capable of performing a broad range of extracorporeal blood purification modalities. It serves as a comprehensive solution for clinical needs and improves patient outcomes.

**AMPLYA™: THE RIGHT THERAPY WAY**

Selective clearance: beyond the known patterns

As essential components are retained and waste products eliminated in normal physiological conditions, selective clearance in pathological conditions can only be truly effective if it too can retain essential blood components whilst eliminating toxic ones.

The development of new and more effective clearance technologies to provide optimal therapeutic support for complex diseases.

This is the commitment of the Collaborative Research of universities, clinics and the industry, also testified by the F.A.R.E. Project: Filtration and Adsorption Region Emilia-Romagna.