

GlobalARRT Registry

Artificial adequacy for adaptive perfection

What is it?

GlobalARRT is a prospective observational registry aimed at describing and analyzing Extracorporeal Blood Purification (EBP) therapies in critically ill patients worldwide. The GlobalARRT registry is:

- **International:** Several centers across the globe have already joined the project;
- **Interactive:** It interacts with clinicians supporting individualized patient care;
- **Dynamic:** It adapts to meet the needs of any professionals through personalized tools;
- **Easy to use:** It allows recording of clinical variables and personalization of treatments directly at the bedside.

The aim of this registry is to: 1) improve clinical care for critically ill patients treated with Renal Replacement Therapy (RRT); 2) collect clinical data for study/research purposes. In particular, routine utilization of the registry would allow to:

- **OPTIMIZE** treatment of critically ill patients receiving RRT through real time feedbacks based on automatic calculation of clinical scoring systems and international guidelines;
- **DESCRIBE** the clinical circumstances under which clinicians opt for specific techniques of extracorporeal blood purification (EBP) therapy worldwide, thus improving our understanding of the factors influencing clinical outcomes.

Why using it?

The GlobalAART registry has been designed to:

- Meet the needs of any participating center;
- Make use of clinical data creating **decision support** frameworks to assist clinicians in routine clinical practice;
- Provide **real-time feedbacks** to assist clinicians for personalized treatment and patient care (**precision medicine**);
- **Facilitate interaction** between clinicians and the data collection software through personalized tools;
- Provide indications for treatment according to international guidelines and guide clinicians through interpretation of clinical data.

How does it work?

Data are recorded using the study management software REDCap®. REDCap is a secure web application for building and managing online databases. It can be downloaded to any mobile device (e.g. smart phones, tablets) and has many features, including:

- user-friendly interface for entering, editing, and saving validated data;
- audit trails for tracking data manipulation and user activity;
- automated export procedures for seamless data downloads to Excel, PDF, and common statistical packages;
- procedures for importing data from external sources.

Each participating center is granted access only to the patient data it has generated and recorded on the REDCap platform. Cumulative anonymized data from all participating centers will be analyzed for research and publication purposes. Investigators from all participating centers will be listed as authors of the project manuscripts.

How to join the project?

Write to globalarrt@gmail.com or visit www.arrt.eu and fill out the dedicated form.

We will contact you shortly with information on how to join the GlobalARRT registry.

