

## Training arm for hemodialysis



### Practice arm for hemodialysis - realistic simulation

The hemodialysis practice arm is a realistic, functional model designed to provide an optimal training experience for healthcare professionals, students and patients preparing for hemodialysis. It enables realistic simulations of injections, sampling and fistula preparation, with particular attention paid to the appearance and texture of the skin and the fluidity of artificial blood. This model is indispensable for hemodialysis training and is designed to simulate conditions close to clinical reality.

#### Features :

- **Realistic appearance:** The arm is designed to simulate the actual anatomical features of a human arm, including skin, vein and fistula.
- **Functional fistula:** The model incorporates an established fistula to simulate needle insertion and test vascular access preparation for hemodialysis.
- **Artificial blood circulation system:** The arm can be pressurized to provide realistic flashback during needle insertion, with artificial blood having nuances close to those observed in dialysis patients.
- **Complete with accessories:** The simulator comes complete with a pint of venous blood, a pint of arterial blood, two fluid supply bags, a detailed instruction booklet and a soft carrying case.
- **Replaceable components:** The skin and vascular system can be easily replaced to extend model life and ensure realistic simulations over the long term.
- **Easy maintenance:** Designed to be easily cleaned and maintained.

#### Benefits:

- **Practical, realistic training:** The arm offers total immersion in real hemodialysis conditions, enabling

trainees to familiarize themselves with technical gestures without risk to patients.

- **Improved technical skills:** Users can practice needle insertion, fistula management and treatment administration, while benefiting from immediate feedback when interacting with the model.
- **Suitable for all levels of training:** Whether for medical students, nurses or in-clinic practice sessions, this model provides a safe, step-by-step approach to hemodialysis.
- **Realistic simulation of blood circulation:** Thanks to the artificial blood system and adjustable pressure, users can observe flashback, which is essential for injection and sampling practice.
- **Durability and ease of maintenance:** With replaceable, easy-to-clean components, this simulator is designed for long-term use in intensive learning environments.

## Applications:

**Installation:** Unpack the arm and install the fluid supply system. Make sure the supply bags are properly connected to the simulator hoses.

**Hemodialysis preparation simulation:** Place the needles in the established fistula and adjust the pressure to obtain a realistic flashback.

**Training:** Use the simulator to perform injections, samples and fistula tests using the artificial blood supplied. Observe how the circulatory system works, and perform gestures with precision.

**Maintenance:** After each session, clean the simulator with suitable solutions, and replace vascular and skin system components if necessary.

The hemodialysis practice arm is an indispensable tool for teaching and training healthcare professionals in the field of hemodialysis. Thanks to its realism, ease of use and simplified maintenance, it enables users to prepare optimally for the complex technical gestures associated with hemodialysis. Offering a complete simulation with quality accessories, this simulator is the ideal solution for effective, long-lasting training.