

FRED® easy automatic

Save lives, too!

In Europe, 400 000 persons die of sudden cardiac arrest every year. The survival rate is estimated at a mere 3 to 4%. The professional rescue services are well equipped but often arrive too late. The time to intervention by a rescue team is usually 7 to 8 minutes. To increase the chance of survival however, the defibrillation should be applied within the first 5 minutes after a cardiac arrest.

„1 lost minute = 10% decrease in the chance of survival.“

Cardiac arrest

Cardiac arrest is a consequence of a disturbance of the electric activity in the heart, most often an abnormal heart rhythm called ventricular fibrillation. The current impulses in the heart no longer follow the normal pathways and fail to synchronise the muscle cells, provoking the sudden arrest of the heart's pumping activity. The victim breaks down and faints very quickly – most often without warning.

Defibrillation is the only treatment

On defibrillation, an electric shock is applied to resynchronise the activity in the heart. The defibrillator automatically analyses the victim's heart rhythm and delivers a shock if required. Being very easy and safe to use, today's automated defibrillators are accessible to anyone for use anywhere: at home, in the street, at public events, in supermarkets, in swimming baths, in sports centres, in hotels, at airports, at railway stations, for public transportation...

In an emergency, a defibrillation can be applied by the victim's relatives or bystanders: parents, colleagues, police, security officers, etc.

Easy to use

1. Switch the unit on
2. Place the electrodes on the patient's chest as indicated on the pouch
3. Follow the device's voice and displayed instructions



Ready at any time in an emergency

- A regular self-test ensures the unit's readiness for use
- Durable battery (5 years standby)
- No maintenance

Autonomous and highly reliable device

«It does not only happen to the others»

Joan (13 years)

«While playing on her PC on a Christmas evening, Joan became a victim of sudden cardiac arrest and was brought back to life thanks to the quick use of a defibrillator. This event happened without prior warning whatsoever. Joan's heart had stopped because of an undetected inflammation of the myocardium caused by a virus infection. Without immediate resuscitation measures and the quick use of a defibrillator, the girl would not have had any chance of survival. Joan's vital functions could be maintained thanks to immediate cardiac massage and ventilation by a neighbour and the quick help of a rescue team equipped with a defibrillator. The emergency physician, who arrived shortly after, could transfer the girl to a children's hospital in stable condition. This was an ideal first aid scenario.»



SCHILLER
The Art of Diagnostics

Technical specifications FRED® easy automatic :

Dimensions:

70 mm x 230 mm x 220 mm (h x w x d)

Weight:

1.5 kg with battery

Defibrillation impulse:

Biphasic pulsed - MULTIPULSE BIOWAVE® (patented)

Energy levels:

Configurable to 1 to 150 J (adults) or 1 à 70 J (pediatric); automatic detection of pediatric electrodes

Power supply:

Li-MnO₂ battery or NiCd rechargeable battery

Display:

LCD, 100 mm x 37 mm, high resolution, with background lighting and text display; ECG display as an option

Voice instructions:

Configurable volume

Auto test:

Audible alarm and flashing LED in standby mode if there are no problems with the device (and battery)

Defibrillation electrodes:

- Adult: 78 cm² active surface per electrode; cable length: 2 m

- Pediatric: 28 cm² active surface per electrode; cable length: 1.40 m

Standards:

Meets the relevant standards regarding patient safety and operating conditions

Storage, programming, communication:

- SD card or internal memory for the recording of ECG, events and ambient noise

- Data transmission to a server via a network using the automatic FRED easy Ethernet

Software update:

Via PC/laptop interface

Technical data and images are subject to change without notice.

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