CPR assist

Improving quality of resuscitation

In order to be able to save the lives of sudden cardiac arrest patients, effective and uninterrupted chest compressions are required. Performing manual chest compressions of high quality is difficult and depends a lot upon the person performing the CPR. The quality of CPR varies time to time and with each compression. The important determinant of return of spontaneous circulation (ROSC) and survival with good a neurological outcome is a proper depth and rate of chest compressions during CPR. This creates adequate blood flow and oxygen delivery to the heart and brain.

Nihon Kohden's new CPR assist supports performing and maintaining high quality CPR. It is also a training tool for ALS and BLS teams with a mannequin to improve and maintain CPR skills.

NIHON KOHDEN

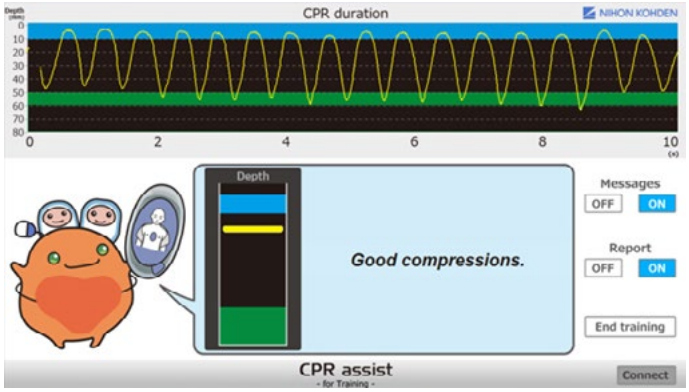
CPR assist

Key points to ensure high-quality CPR

- Perform chest compressions to a depth of at least 5 cm (2 inches) but not greater than 6 cm (2.4 inches)
- Perform chest compressions at a rate of 100 to 120/min
- Minimize interruptions in compressions

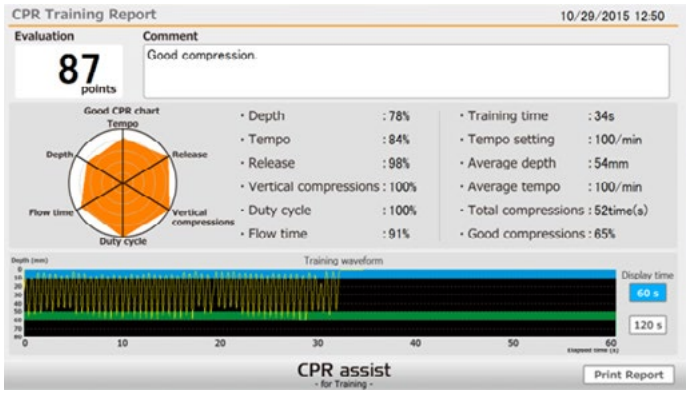
Look and hear the quality of CPR

- CPR assist indicates the speed and depth of chest compression by the LED light and sound.
- It helps you perform higher quality CPR and supports easier CPR training.



Evaluate the quality of CPR

- CPR assist can communicate with a PC via Bluetooth.
- Waveform and measurement values stored in the device during CPR can be reviewed and evaluated on the PC later in a report format with optional QP-551VK defibrillator report viewer software.
- These evaluations help you to improve future CPR.



Manage the quality of CPR

- CPR assist can also communicate with Nihon Kohden's Cardiolife TEC-5600 defibrillator via Bluetooth .
- The real time CPR waveform and measurement values can be viewed with other parameters, such as ECG, SpO_2, CO_2 and NIBP on the defibrillator's screen.
- The necessary information for rescue can be confirmed on one screen.

Specifications

CPR-1100

General

Compression depth	Target depth range of 50 to 60mm *Lower limited range:* 45 to 55mm *Upper limited range:* 55 to 70mm
Tempo indicator	100 times per minute, consistent with AHA and ERC guidelines (Selectable from 100/110/120 times/min)

Data management

Number of saved items	40 rescue data
Saved duration	13.5 hours
Start of saving	Once power is turned on
End of saving	When power is turned off
Contents	Compression depth, judgment result, measurement value information
Deletion	Data is automatically deleted starting with the oldest data when the storage capacity is exceeded.

Communication

Communication technology	Bluetooth
Communication method	Bluetooth standard Ver.2.1+EDR
Maximum RF output power	4 dBm

Dimensions and weight

Dimensions	71W x 126 D x 32 H mm
Weight	166g (excluding battery)

Battery

Type of battery	two AAA batteries
Mains voltage	3V DC
Battery operation time	5 hours

Environment

Operating environment	*Temperature range:* -5 to 50℃ *Humidity range:* 5 to 95%
Storage environment	*Temperature range:* -20 to +70℃ *Humidity range:* 5 to 95%
Vibration	MIL-STD-810G 514.6 VIBRATION Category4 Secured Cargo MIL-STD-810G 514.6 VIBRATION Category9 Helicopter IEC60601-1-12:2014 EN1789: 2007, Amendment:2010
Shock	IEC60068-2-27: 2008, Impact peak value: 50G 11ms, *Semisinusoidal wave:* Single IEC60601-1-12: 2014 EN1789: 2007. Amendment: 2010
Drop	MIL-STD-810G 516.6 SHOCK Peocefure, IV<transit Drop 1.22m IEC60601-1-12: 2014 EN1789: 2007, Amendment:2010
Liquid ingress protection	IP55

Improving Healthcare with Advanced Technology

EC REP

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