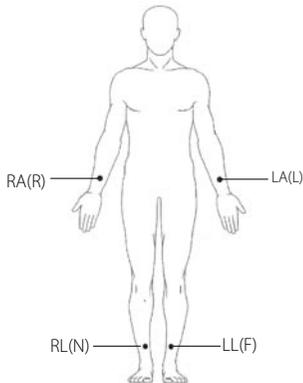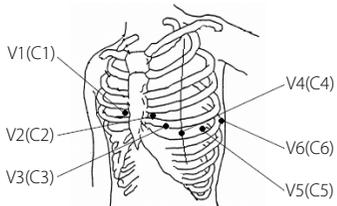# BeneHeart R3/BeneHeart R3A Electrocardiogarph
Quick Guide

Electrode Placement

Patient Preparation

1. Prepare the skin at electrode sites by
   a. Exposing the electrode sites.
   b. Shaving hair form each electrode site.
   c. Degreasing each electrode site with alcohol and abrade slightly with a dry gauze to remove dead skin cells. Dry the skin completely.
2. Apply electrodes by
   a. Respectively connecting the 6 chest lead wires and 4 limb lead wires with the electrodes.
   b. If reusable electrodes are used, apply a thin layer of conductive gel on each electrode site and each metal electrode.
   c. Apply the elctrodes. Refer to the left pictures for application sites.

AHA	IEC	Electrode placement
V1	C1	Fourth intercostal space at the right sternal border
V2	C2	Fourth intercostal space at the left sternal border
V3	C3	Midway between V2 (C2) and V4 (C4) electrode positions
V4	C4	Fifth intercostal space at the left midclavicular line
V5	C5	Left anterior axillary line, horizontal with the V4 (C4) electrode position
V6	C6	Left midaxillary line, horizontal with the V4 (C4) electrode position
RA	R	Above right wrist
LA	L	Above left wrist
RL	N	Above right ankle
LL	F	Above left ankle

Precautions

❑ This equipment is not intended to be in use with high frequency surgical units.

❑ For paced patients, the equipment may mistake a pace pulse for a QRS complex if several adverse conditions exist simultaneously. Always keep these patients under close surveillance.

❑ Reusable electrodes must be cleaned after each use.

❑ When placing the chest electrodes, ensure that the metal electrodes do not touch each other and conductive gel from one application site does not touch another site.

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Basic Operations

Connecting Patient Cable

Plug the patient cable into the patient cable connector on the right side of the equipment. Tight the screws to securely attach the patient cable to the equipment.

Turning On the Equipment

Press the ⊙/⊙ key to turn on the equipment.

Entering Patient Information

Pressu the [**ID**] key, [**Age**] key, and [**Gender**] key to enter patient information.

Acquiring an ECG

◆ Press the [**ECG**] key to start auto measurement and recording.

◆ Press the [**Manual**] key to start manual measurement and recording.

◆ Press the [**Rhythm**] key to start rhythm measurement and recording.

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System Setup

Press the [**Menu**] key to access the main menu. Configure the settings as desired.

Managing Patient Archives

■ In normal screen, press F4 to enter the Directory screen to delete and export patient archives.

■ Select [**Menu**]→[**File Management**]→[**Search by Date**] or [**Search by ID**] to search patient archives.