Pro-padz[®] Biphasic

OPERATING TEMPERATURE: 0 °C to 50 °C (32 °F to 122 °F) SHORT TERM STORAGE TEMPERATURE: -30 °C to 65 °C (-22 °F to 149 °F) LONG TERM STORAGE TEMPERATURE: 0 °C to 35 °C (32 °F to 95 °F)

Instructions for Use ∫/ 122° F



INDICATIONS FOR USE

Defibrillation

Cardioversion

ECG monitoring

For use on adult patients with ZOLL® R Series® and X Series® by trained personnel including Physicians, Nurses, Paramedics, Emergency Medical Technicians and Cardiovascular Laboratory Technicians. The Pro-padz electrodes are not indicated for use on a patient less than 8 years of age or weighing less than 55lbs (25kg).

Noninvasive Pacing

SKIN PREPARATION

Instructions

- 1. Remove excess chest hair. Clip if necessary to maximize gel to skin contact. Clipping is recommended since shaving can leave tiny microabrasions that can lead to patient discomfort during pacing.
- 2. Ensure skin is clean and dry under electrode. Remove any debris, ointments, skin preps, etc. with water (and mild soap if needed). Wipe off excess moisture/diaphoresis with dry cloth.

ELECTRODE APPLICATION

Instructions

- 1. Apply the electrode securely to the patient.
- 2. Poor adherence and/or air under the electrodes can lead to the possibility of arcing and skin burns.

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Excessive hair can inhibit good

and skin burns.

coupling (contact), which can

lead to the possibility of arcing

ELECTRODE PLACEMENT

Anterior-Posterior (Apex/Front-Back)

Recommended for defibrillation, noninvasive pacing, ventricular cardioversion, and ECG monitoring. Optimal for noninvasive pacing because it increases patient tolerance and decreases capture thresholds.

Back:

Grasp the Back electrode at the bottom and peel from the plastic liner. Place to the left of the spine just below the scapula at the heart level.

Always apply back electrode first. If front electrode /!\ is already in place when patient is being maneuvered for placement of the back, the front may become partially lifted. This could lead to arcing and skin burns.

Apex / Front:

Grasp the Front electrode at the bottom and peel from the plastic liner. Apply over cardiac apex with the nipple under adhesive area on a male patient. Position under breast on a female patient.

Avoid any contact between nipple /!\ and gel treatment area. Skin of the nipple area is more susceptible to burning



Anterior-Posterior (Sternum/Front-Back)

Recommended for atrial cardioversion only.

Not recommended for noninvasive pacing or defibrillation.

Back:

- Grasp the Back electrode at the bottom and peel from the plastic liner. Place to the left of the spine just below the scapula at the heart level.
- Always apply back electrode first. If front electrode is already in place when patient is being /!\ maneuvered for placement of the back, the front may become partially lifted. This could lead to arcing and skin burns.

Sternum / Front:

Grasp the Front electrode at the bottom and peel from the plastic liner. Apply on patient's upper right torso.

 \mathbb{A} Avoid any contact between nipple and gel treatment area. Skin of the nipple area is more susceptible to burning.



STERNUM / FRONT

CARDIOVERSION GENERAL WARNINGS Some current generated by electrosurgical units (ESU) may concentrate in the conductive gel of pacing / defibrillation electrodes, especially if an ESU Elective cardioversion may cause visible After patient movement due to muscle contraction 1. 9. or patient repositioning, press pads to skin to ensure good coupling between pads and skin. reddening under the surface of a defibrillation / pacing / monitoring electrode. This effect is grounding pad other than that recommended by the ESU manufacturer is used. Consult the ESU operator's likely caused by hyperemia (excess blood) under 2. Do not conduct chest compressions through the the surface of the skin and is probably not a pads. Doing so may cause damage to the pads that manual for further details. "burn". could lead to the possibility of arcing and skin burns. 10. Do not fold the electrodes or packaging. Any fold in During cardioversion, in contrast to a standard 3. Electrodes should be replaced after 24 hours of use or other damage to the conductive element could defibrillation, the patient is normally perfused. or after 8 hours of continuous pacing to maximize lead to the possibility of arcing and/or skin burns. The impact of the energy passing through patient benefit. engorged capillaries under the skin's surface can 11. During prolonged pacing greater than 30 minutes, cause blood to diffuse out, creating an effect that 4 Do not use if gel is dry. Dried out gel can lead to skin periodically examine the patient's skin for irritation. burning. Do not open pouch until ready to use. Do often looks like a burn or rash. The reddening 12. Use only with ZOLL pacemaker/defibrillator products. not use electrodes past the expiration date printed typically goes away within a few days. on the pouch label. 13. Device disposal should follow hospital protocol. Among the factors that contribute to this To avoid electrical shock, do not touch the pads, 5. phenomenon are: patient, or bed when defibrillating. 1) high energy settings 2) multiple, successive shocks 6. Do not discharge standard paddles on or through 3) skin integrity electrodes or place separate ECG leads under pads. 4) patient age Doing so could lead to arcing and/or skin burning. 5) certain antiarrythmic drugs Always apply electrodes to flat areas of skin. If possible, avoid folds of skin such as those underneath 7. Blistering and/or sloughing do not typically 20LL Medical Corporation result from cardioversion and should be 269 Mill Road Chelmsford, MA 01824-4105 USA 800-348-9011 Made in USA the breast or those visible on obese individuals. considered an indication of burning due to Avoid electrode placement near the generator of an internal pacemaker, other electrodes or metal parts 8. other factors. ZOLL International Holding B.V. Newtonweg 18 6662 PV ELST The Netherlands Tel. +31 (0) 481 366410 in contact with the patient. EC REP

