The ZOLL LifeVest wearable defibrillator is a treatment option for sudden cardiac arrest that offers patients advanced protection and monitoring as well as improved quality of life.

The LifeVest is the first wearable defibrillator. Unlike an implantable cardioverter defibrillator (ICD), the LifeVest is worn outside the body rather than implanted in the chest. This device continuously monitors the patient's heart with dry, non-adhesive sensing electrodes to detect life-threatening abnormal heart rhythms. If a life-threatening rhythm is detected, the device alerts the patient prior to delivering a treatment shock, and thus allows a conscious patient to delay the treatment shock. If the patient becomes unconscious, the device releases a Blue™ gel over the therapy electrodes and delivers an electrical shock to restore normal rhythm.

Here is a YouTube video of how the device works to result in an astonishing 98% first shock efficacy rate and saving the life of at least one victim from cardiac arrest every single day worldwide!

https://youtu.be/O_qBkVhwly8

The ZOLL LifeVest is one of the fastest growing product categories in the ZOLL portfolio. With that being said, pre-hospital providers are encountering patients wearing the LifeVest at a higher frequency than ever before. On the next page, you will see our Emergency Patient Management guide as a reference on how to handle patient’s wearing the LifeVest in the pre-hospital setting.

With the rise of Community Paramedicine programs and new LifeVest technology that will be introduced in 2016, ZOLL’s goal is to make pre-hospital providers more aware of when a patient wearing a LifeVest is discharged into your community. Stay tuned for details on that initiative! For further clarification, please contact your local ZOLL representative.
LIFEVEST® WEARABLE DEFIBRILLATOR
EMERGENCY PATIENT MANAGEMENT

What alert sounds and voice prompts are being broadcast?

ALERT:
- Device Silent OR Gong Alert (SINGLE TONE)

VOICE:
- None — device silent
- “Contact physician”
- “Treatment has been given, call your doctor”

STATUS:
- Device is monitoring the patient
- Device may be alerting the patient to follow instructions on the screen

ALERT:
- Siren Alert (TWO TONE)

VOICE:
- “If patient is not responsive, call for help, perform CPR”
- “Device disabled, call ambulance”

STATUS:
- Device cannot detect ECG or the device has delivered the maximum number of treatments

ALERT:
- Siren Alert (TWO TONE)

VOICE:
- “Press response buttons to delay treatment”
- “Electrical shock possible, DO NOT TOUCH PATIENT”
- “Bystanders do not interfere”

STATUS:
- Device has detected a ventricular arrhythmia
- Device is preparing to treat the patient
- Shock likely
- Stop CPR
- Only the patient should press the response buttons (patient consciousness test)
- Do not touch patient
- Allow device to treat the patient
- When shock alert stops or “If patient is not responsive, call for help, perform CPR” is broadcast:

Monitor Mode Instructions:

• Proceed to Monitor Mode Instructions Below

Proceed to Monitor Mode Instructions Below

Proceed to Monitor Mode Instructions Below

Proceed to Monitor Mode Instructions Below

Questions & Answers

1. What is a vibration?
The vibrations, along with the siren alerts and voice prompts, are part of the LifeVest consciousness test, which requires the patient to press and hold the response buttons to avoid a shock. It is important that only the patient press and hold the response buttons.

2. What does the “Respond” message mean?
The “Respond” message means the device has delivered an electrical shock and will warn bystanders with both a siren alert and a voice command before delivering another shock. The patient should remain on the patient as long as the patient is wearing the LifeVest in case additional treatment shocks are required.

3. What if the patient has Blue gel on their skin?
The Blue gel should remain on the patient’s skin prior to a treatment shock to both improve shock conduction and mitigate burning. The gel should remain on the patient’s skin prior to a treatment shock as long as the patient is wearing the LifeVest in case additional treatment shocks are required.

4. What does “If patient is not responsive, call for help, perform CPR” mean?
If the LifeVest detects a treatable arrhythmia, the time to treatment will be between 25 and 60 seconds. The device has delivered the maximum number of treatments and the patient should be removed.

5. Can emergency personnel use external defibrillation while the patient is wearing a LifeVest?
Yes. On the screen, patient to follow instructions.

6. Can emergency personnel get shocked by the LifeVest?
No. The patient should be removed from the device prior to administering external defibrillation. The patient should hold the patient’s arm or leg to prevent electrical shock to the patient’s body. The patient should hold the device while the device is in contact with the patient to ensure the device is not touching the patient while delivering an external defibrillation shock.

7. What if the patient describes or feels a vibration coming from the garment?
The vibrations are a normal part of the LifeVest consciousness test, which requires the patient to press and hold the response buttons to avoid a shock. It is important that only the patient press and hold the response buttons.

8. What LifeVest items should the patient bring with them to the hospital?
If possible, the patient should bring the LifeVest, modem, charger, and extra battery to the hospital. This will allow the patient to download any stored event data from the monitor and charge the battery as required.

24 hour technical support, please call: (800) 543-3267

ZOLL®

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Tips and Tricks

For customers that have used the V-Pak electrodes with our monitors in the past, in order to keep their electrodes fresh and performing at their highest level, we now offer that product for the ZOLL X Series as well!

V-pak® Electrode Adapter for the X Series®

We are happy to announce the availability of the V-pak Adapter Cable for the X Series (REF 8300-000827-01). This cable connects an X Series 4-lead ECG cable to V-pak Electrodes (REF 8900-1300-01).

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>8300-000827-01</td>
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8900-1300-01  V·pak Preconnected V Lead Electrodes for 12 Lead (40 Pouches / Case) 40 pouches $340