

R Series®

ZOLL®



Taking Resuscitation
to Heart

Because It's Not Just About a Shock

Remarkably, 80% of in-hospital cardiac arrests present with a non-shockable rhythm.¹ That's why it's vitally important that defibrillators go beyond just providing a shock.

Whether they have a shockable or non-shockable rhythm, 100% of patients will require CPR, and the better the CPR, the better the outcome. Survival depends on compressions that are fast—but not too fast—and deep—but not too deep—with full release, minimal interruptions and appropriate ventilation.

That's a lot to keep track of. It's the reason R Series® monitor/defibrillators have easy-to-use technologies that help you consistently deliver high-quality CPR. With the R Series ALS and the R Series Plus, you have the flexibility to meet the needs of all providers, whether BLS or ALS trained, and all patients, from paediatrics to adults.

CPR Metrics on Display

Using Real CPR Help® technology, the R Series provides audio and visual feedback that guides rescuers to consistently deliver high-quality CPR. If compressions aren't deep enough, you will hear 'Push harder', and detailed visual feedback, including the rate and depth of each compression, will display on the CPR Dashboard™. If either one falls out of the Guidelines-recommended range, it will be indicated by a colour change. Additionally, the diamond-shaped Perfusion Performance Indicator, or PPI, provides a quick indication of how well the combined rate and depth of compressions match current CPR Guidelines.

The dashboard also provides a compression release indicator. When the bar is full, you know that you've come completely off the chest to allow for full recoil.

Maximise CPR Fraction

The 2015 ERC Guidelines emphasise the importance of maximising the proportion of time spent delivering chest compressions. During a code, minutes can seem like seconds, and the longer the pauses in compressions, the harder it is to deliver a successful shock. After a 3-second delay in compressions, the R Series displays a CPR idle timer to help track and minimise pause times.

One of the most common reasons for interruptions in CPR is stopping to determine whether an organised, shockable rhythm has developed. With ZOLL's patented See-Thru CPR® technology, the compression artefact is filtered out, making it possible to see whether an organised rhythm is present during CPR. By reducing the duration of pauses, See-Thru CPR is just one more way the R Series is designed to help you provide high-quality CPR.

CPR Dashboard



Inadequate compressions



Good compressions

See-Thru CPR



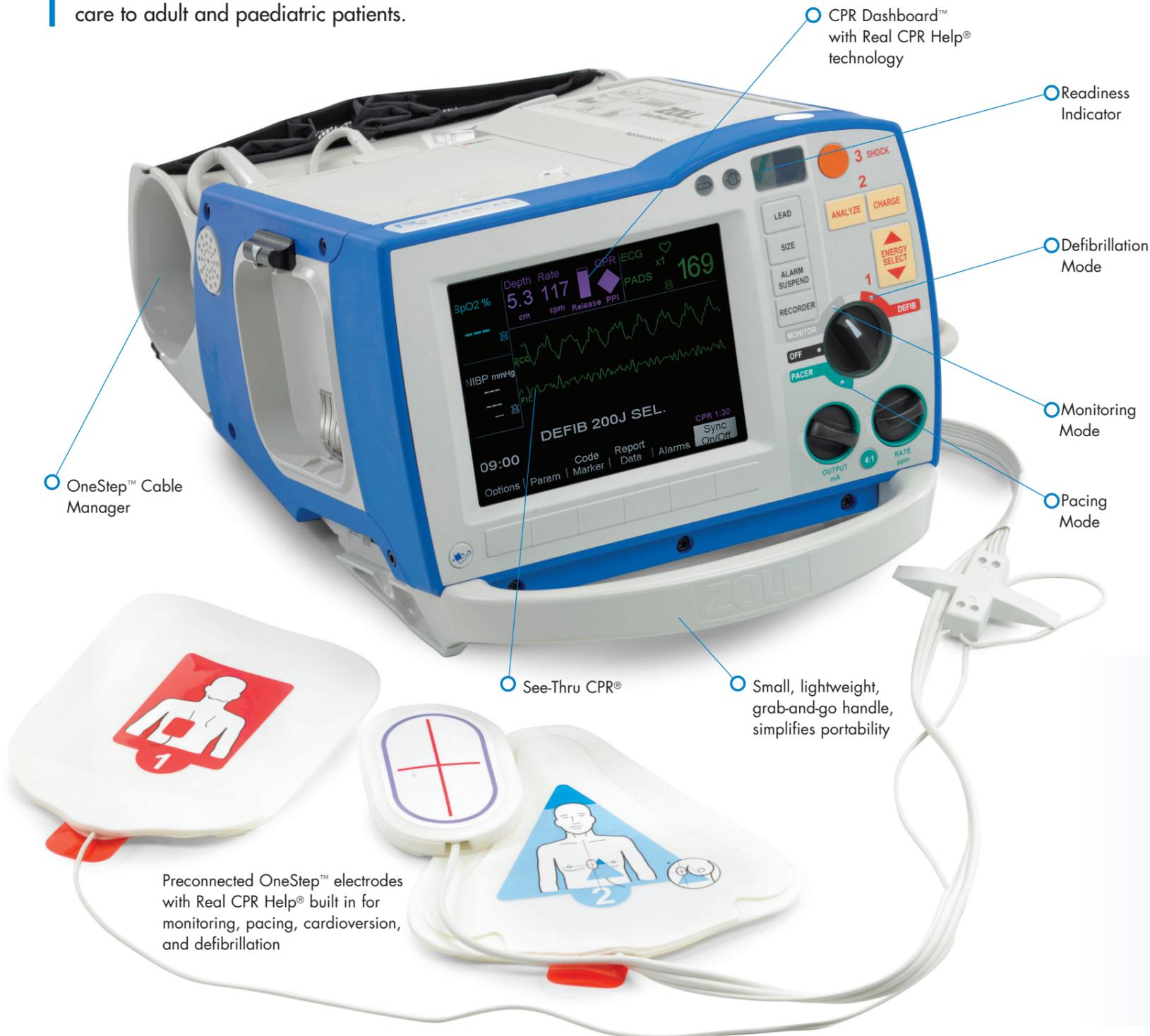
Unfiltered ECG signal during CPR



Signal filtered by See-Thru CPR

OneStep Simplicity

The R Series is designed to help you deliver optimal care to adult and paediatric patients.



Preconnected OneStep™ electrodes with Real CPR Help® built in for monitoring, pacing, cardioversion, and defibrillation

OneStep Simplicity

Delivering therapy is easy with the OneStep™ family of electrodes. Monitor, defibrillate, or pace—without the need for a separate three-lead ECG cable—with OneStep Complete electrodes. To take advantage of Real CPR Help, use OneStep Complete, OneStep CPR, or OneStep Paediatric CPR electrodes. And, with a dual circuit design, OneStep electrodes can remain preconnected, even during a 30-joule shock test. They're available in anterior/anterior or anterior/posterior configurations.

Extensive Paediatric Capabilities

When used with OneStep Paediatric CPR electrodes, the R Series automatically reduces the shock energy to a lower protocol, starting at 50 joules rather than 120. When the R Series is in Advisory mode or the R Series Plus is in AED mode, the OneStep Paediatric CPR electrodes enable a paediatric algorithm that can distinguish between a shockable and non-shockable rhythm.

The unique OneStep Paediatric CPR electrodes also provide visual feedback by displaying the rate and depth of every compression on the CPR Dashboard. These electrodes are specifically designed to ensure precise CPR measurements in small children.

Manual interface activated

R Series Plus

User-inspired Flexibility

The R Series Plus is truly two devices in one. To meet the needs of BLS-trained responders, it powers on as an AED.

But with the push of a button, it converts to a full-featured manual defibrillator for ALS responders.



It's in Your Hands

Improving outcomes is in your hands. The R Series provides advanced technologies to support you during every code.



Always Code-Ready®

The R Series conducts a comprehensive self-test of more than 110 individual indicators of readiness once a day. Using standard wireless technology, it can automatically relay this information to Defibrillator Dashboard™, providing a quick snapshot of the overall health of the entire defibrillator fleet that can be viewed on a PC or mobile device. Defibrillator Dashboard optimises defibrillator readiness and increases efficiency for the biomedical engineering team.

ZOLL data products can improve efficiency and quality by providing at-a-glance dashboards that display defibrillator readiness and CPR quality.



Debrief with Unmatched Accuracy

After a cardiac arrest event, the R Series supports continuous quality improvement (CQI) initiatives with automatic case uploads, sending the code data rapidly and wirelessly to a designated server. These comprehensive data include the number of shocks, ECG, end-tidal CO₂ values and CPR quality, which can be viewed using a number of code data programs. Choose the one that's right for your institution.



¹ Get with the Guidelines® - Resuscitation. American Heart Association website, <https://www.heart.org/en/professional/quality-improvement/get-with-the-guidelines/get-with-the-guidelines-resuscitation>.

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