Innovation for noninvasive hemodynamic management

ClearSight System
The ClearSight finger cuff provides up to 72 hours of valuable hemodynamic insight, but continuous monitoring on one finger is limited to 8 hours. Uninterrupted monitoring over 8 hours is possible using two cuffs on two fingers.

Cross-section of cuff application
To accurately mirror arterial line output, real-time finger pressure measurement is performed 1000 times per second utilizing the volume clamp method.

The ClearSight system offers simplicity and noninvasiveness to hemodynamic monitoring.

### Simple for clinicians
The ClearSight system quickly connects to the patient by wrapping an inflatable cuff around the finger. The simplicity of the ClearSight system gives you noninvasive access to automatic, up-to-the-minute hemodynamic information for a broader patient population.

### Leverages validated technology
Used as the standard for monitoring in space for decades, ccNexfin noninvasive technology (volume clamp, Physiocal) has been extensively validated against reference monitoring technologies. Several studies have validated the ability of noninvasive ccNexfin technology to reliably track continuous blood pressure, absolute cardiac output and continuous cardiac output.

### Advanced hemodynamic monitoring extended to moderate-risk patients
The ClearSight system enables you to expand advanced hemodynamic monitoring to your moderate-to-high-risk surgery patients — including elderly or obese patients — enabling you to make more informed decisions regarding volume administration.

Flow parameters provided, such as SV and SVV, have been shown to be more dynamic, and sensitive and specific for predicting fluid responsiveness than conventional, pressure-based parameters. These parameters are central to Perioperative Goal-Directed Therapy (PGDT) protocols and, when used together, are key to guiding individualized volume administration in patients at risk of developing complications.
A simple, noninvasive approach to monitoring key hemodynamic parameters.

The ClearSight system is comprised of the ClearSight finger cuff and EV1000 clinical platform. The system presents SV, SVV, CO, SVR and continuous BP clearly and simply on the EV1000 monitor. Easy-to-use touch screens allow selection of the parameters most meaningful for each clinical situation. This intuitive display of fundamental information minimizes unknowns and allows you to reliably determine your patient’s fluid status.

Visual clinical support
Advanced hemodynamic parameters are presented in a visually simplified manner. Color-based indicators communicate patient status at a glance, and visual clinical support screens allow for immediate recognition and increased understanding of rapidly changing clinical situations.

Set goals and alarms
The EV1000 clinical platform allows clinicians to set specific color target ranges; and to choose parameters, alarms and targets to align with hemodynamic optimization and PGDT protocols to meet your precise patient monitoring needs.

The noninvasive ClearSight system provides valuable hemodynamic insight to an expanded patient population, for making more informed decisions about volume administration in moderate-to high-risk surgery.
The ClearSight finger cuff integrates with the EV1000 monitoring platform. The ClearSight system also sends an analog pressure to visualize noninvasive BP on a bedside monitor. The EV1000 clinical platform enables you to choose the parameters needed to monitor your patients and may be used with a variety of Edwards advanced hemodynamic monitoring tools for an integrated Edwards Critical Care system.

The ClearSight system
1. EV1000 monitor
2. EV1000 pump-unit
3. Pressure controller
4. ClearSight finger cuff
5. Heart reference sensor

Smart. Innovation.

For more than 40 years, Edwards Lifesciences has been helping you make proactive clinical decisions in advancing the care of acutely ill patients across the continuum of care.

Through ongoing collaboration with clinicians, providing continuous education, and our dedication to the constancy of innovation, Edwards continues to develop smart hemodynamic management solutions that enable proactive decision support.

Visit Edwards.com/ClearSight to know more

References