ClearSight System

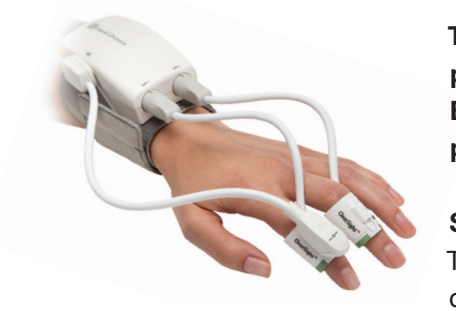
No barriers.
More **clarity.**

Edwards

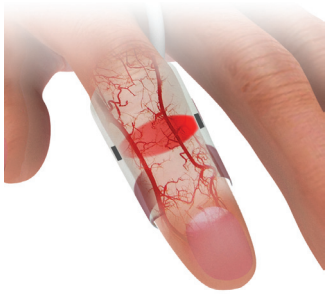
The ClearSight System

A simple, noninvasive approach to monitoring key hemodynamic parameters.

- Stroke Volume (SV)
- Stroke Volume Variation (SVV)
- Cardiac Output (CO)
- Systemic Vascular Resistance (SVR)
- continuous Blood Pressure (cBP)



- 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 extends continuous hemodynamic monitoring to a broader patient population, including your moderate to high-risk surgery patients. By leveraging proven ccNexfin system technology,[1,2,5–10] the ClearSight system provides clinicians clarity without the barriers of complexity or invasiveness.

Simple for clinicians

The ClearSight system quickly connects to the patient by wrapping an inflatable cuff around the finger.[1] 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,[3] ccNexfin noninvasive technology (volume clamp,[4] Physiocal[5]) has been extensively validated against gold-standard monitoring technologies. Several studies have validated the ability of noninvasive ccNexfin technology to reliably track continuous blood pressure,[1] absolute cardiac output and continuous cardiac output.[5–10]

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[1,11,12] — enabling you to make more informed decisions regarding volume administration.

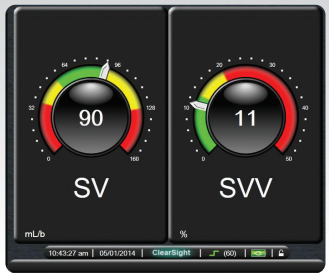
Flow parameters provided, such as SV and SVV, have been shown to be more dynamic, and sensitive and specific for predicting fluid responsiveness than conventional, pressure-based parameters.[13] These parameters are central to Perioperative Goal-Directed Therapy (PGDT) protocols and, when used together, are key to guiding optimal volume administration in patients at risk of developing complications.

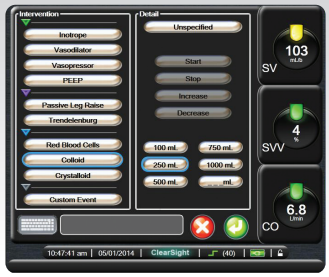
Noninvasive simplicity. Next-generation clarity.

Edwards Lifesciences 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 more accurately 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. Delivering clarity in every moment.

Historical milestones

1967	1977	2005	2007	2014
Volume clamp method to measure blood pressure invented by Jan Peñáz	TNO, a high-profile Dutch research institute, starts development of noninvasive blood pressure	BMEYE was founded as a spin-off from TNO	Market introduction of Nexfin system with CO-Trek to non-invasively monitor blood pressure and cardiac output	Market introduction of ClearSight integrated into the EV1000 clinical platform

Know More.

With the integration of the next-generation ClearSight finger cuff into the EV1000 clinical platform, a single platform can now be utilized with both noninvasive and minimally-invasive hemodynamic monitoring options, such as the FloTrac sensor. The ClearSight system also sends an analog pressure to visualize noninvasive BP on a bedside monitor. Edwards has taken this integrated system approach to protect the accuracy of the clinical information and the corresponding quality of patient care.

The ClearSight System

1. EV1000 Monitor
2. EV1000 Pump-Unit
3. Pressure Controller
4. ClearSight Finger Cuff
5. Heart Reference Sensor

Description	Model No.
ClearSight Finger Cuff Small Multi Pack	CSCS
ClearSight Finger Cuff Medium Multi Pack	CSCM
ClearSight Finger Cuff Large Multi Pack	CSCL
EV1000 Clinical Platform	EV1000NI

Connectivity via IFM out through a serial connection, HL7 through an Ethernet connection or HL7 Integration Engine.

Helping to advance the care of the acutely ill for 40 years, Edwards Lifesciences seeks to provide the valuable information you need, the moment you need it. Through continuing collaboration with you, ongoing education and our never-ending quest for advancement, our goal is to delivery clarity in every moment.

Visit www.Edwards.com/ClearSight to learn more

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For professional use. CAUTION: Federal (United States) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

Edwards Lifesciences devices placed on the European market, meet the essential requirements referred to in Article 3 of the Medical Device Directive 93/42/EEC, and bear the CE marking of conformity.

Edwards Lifesciences | edwards.com
One Edwards Way | Irvine, California 92614 USA
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