**Literature: Adult**


**Literature: Pediatric & Neonate**


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**U.S. Patent Nr. 6,511,438. Other patents pending.**
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**AESCULON® Features**

- 12” high resolution color display with touch operation
- integrated iControl™ software
- Rechargeable battery backup for 20 min. of operation
- Patient data are recorded beat to beat for review and data export
- USB Interface for convenient backup of patient data and printing
- PDF status reports can be saved and printed

**Applications**

**Advanced, Non-Invasive Hemodynamic Monitoring:**

Blood pressure, heart rate and other vital signs typically available to clinicians do not give a complete picture of a patient’s hemodynamics. Guiding therapy by traditional parameters makes it very difficult to decide whether volume, inotropes, or vasopressors would be best for the patient.

With the AESCULON, the user gets a complete picture of the patient hemodynamics using a method that is quick, easy, safe, non invasive and accurate. The parameters provided by EC fill in the blanks of traditional monitoring, helping physicians guide fluid resuscitation and drug therapy in a targeted, continuous manner. In addition to providing parameters such as Cardiac Output and Stroke Volume measurements, there are several parameters unique to EC that provide enhanced indications of preload, contractility, afterload and delivered oxygen.

**Goal-Directed Therapy and Fluid Management in the OR, ICU and ED:**

Goal-directed therapy is a technique to guide administration of fluid and drugs to achieve certain hemodynamic goals. Protocols based on goal-directed therapy have been proven to reduce morbidity and mortality rates for critical patients specially who are suffering from severe sepsis, septic shock and patients undergoing high to medium risk surgeries. EC monitors make it easy and safe to use these protocols into routine practice.

**Pediatrics and Neonates:**

EC monitors are the ONLY FDA cleared easy to use, noninvasive monitors for pediatrics and neonates. Invasive monitors like pulmonary artery catheters are typically too dangerous or impossible to use these patients. EC monitors are ideal because they are safe and easy to use. The sensors are small and gentle enough to use on even the tiniest and most fragile neonate. The data provided by EC monitors can help clinicians distinguish warm vs. cold shock, guide therapy, titrate medications and potentially provide an early warning of adverse events, and most important is a perfect fluid management tool.