

Edwards Lifesciences

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Edwards Lifesciences, a leader in advanced cardiovascular disease treatments, is the number-one heart valve company in the world and the global leader in acute hemodynamic monitoring. Headquartered in Irvine, Calif., Edwards focuses on specific cardiovascular opportunities including heart valve disease, peripheral vascular disease and critical care technologies. Edwards employs more than 5,700 employees worldwide. It sells medical technologies in nearly 100 countries with 2006 sales of \$1.037 billion.

Edwards quote is “helping patients is our life’s work and life is now”. They show this by specializing in Anesthesiology, Cardiology, Cardiothoracic Surgery, Cardiovascular Surgery, Critical Care Medicine, Emergency Medicine, Infection Control, Interventional Cardiology, Interventional Radiology, and Vascular Surgery.

They also design and create specific medical devices. I took a look at a few of them. The FloTrac Sensor and Vigileo Monitor deal with Cardiac Output. FloTrac sensor is a less invasive hemodynamic monitoring device that, when used with the Vigileo monitor, measures continuous cardiac output (CCO) through an arterial pressure line. FloTrac sensor and Vigileo monitor do not require any user calibration. The device is less Invasive; it connects to an existing peripheral arterial catheter. It is easy to set up and expands monitoring for high-risk patients beyond traditional blood pressure. This device is easy to use, simply enter patient age, gender, height, and weight to initiate CCO monitoring. There is no calibration required and it automatically calculates key flow parameters. It also continuously compensates for changes in patient’s vascular physiology.



The Vigileo Monitor is a minimally invasive monitoring platform that measures continuous cardiac output when used with the FloTrac sensor. Stroke volume, stroke volume variation, are also measured and displayed on the Vigileo monitor. Continuous SVR is calculated and displayed when interfaced with the patient's bedside monitor. The Vigileo monitor and FloTrac sensor require no calibration for monitoring of flow parameters.



The Carpentier-Edwards PERIMOUNT heart valve is the first-and-only-biomechanically engineered valve. It combines the latest engineering advancements with the benefits of natural tissue. It is created with optimum material for both tissue and the stent because the material has well defined and understood properties. The valve has a comprehensive design of leaflet shape and stent allow for a precise fit.



1. <http://www.edwards.com/products/heartvalves/perimountaortic.htm>
2. http://en.wikipedia.org/wiki/Edwards_Lifesciences
3. <http://www.ctsnet.org/company/edwards>