Clarity and control to make more informed patient management decisions

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Swan-Ganz Advanced Technology Catheters

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For a comprehensive view of hemodynamic performance by a single system, use the Swan-Ganz pulmonary artery catheter with the Edwards Vigilance II monitor.

Clarity in every moment.

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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.

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One catheter. Continuous parameters on three major integrated elements — flow, pressure, oxygen delivery and consumption — for a comprehensive hemodynamic profile.

Edwards Lifesciences’ Swan-Ganz™ pulmonary artery catheters offer a continuous and comprehensive view of cardiovascular function in your critically complex patients, including cardiac surgery patients. Utilizing a single device, clinicians can continuously assess flow, pressure and the global indicator of oxygen saturation (SvO₂). By providing a comprehensive hemodynamic profile, utilizing continuous data, Swan-Ganz catheters accurately track your patient’s hemodynamic status to assist your early evaluation of cardiac performance.

Earlier Intervention
The value of a comprehensive hemodynamic profile in guiding treatment decisions
The accuracy of the continuous measurements provided by Swan-Ganz catheters allows earlier recognition of clinical changes. This early warning can help inform your clinical decisions and guide proactive implementation of optimization therapies. Swan-Ganz pulmonary artery catheters provide a high level of monitoring by delivering a comprehensive hemodynamic profile, as indicated by the parameters highlighted below.

SvO₂ Mixed Venous Oxygen Saturation
An early indicator of oxygen delivery and consumption
Swan-Ganz pulmonary artery catheters provide continuous monitoring of SvO₂ — a global indicator of oxygen delivery and consumption. SvO₂ is a sensitive indicator of the patient’s status and generally precedes other indications of cardiopulmonary instability. Since a decrease in SvO₂ is considered one of the earliest indicators of a threat to tissue oxygenation, continuous SvO₂ monitoring may alert the clinician to a change in the patient’s condition sooner than conventional monitoring methods. This may allow diagnostic and therapeutic decisions to be made earlier in the patient’s clinical course.

Principal clinical applications of continuous SvO₂ monitoring include surveillance and early warning, guidance for adjusting and assessing interventions, and interpretation of variables such as cardiac output.

Across Care Settings
Clarity and control throughout the continuum of care
Swan-Ganz pulmonary artery catheters may be used to accurately monitor your patient in the OR and into the ICU. Your surgical team can hemodynamically optimize a complex patient in the OR. After hand-off, ICU clinicians will have the same access to a continuous and comprehensive hemodynamic profile to help guide post-operative management and therapy.

Advanced technology Swan-Ganz catheters help ensure the perioperative team has access to actionable information about the patient’s current physiologic status, for seamless monitoring throughout the continuum of care.

Swan-Ganz catheters help guide hemodynamic therapy for cardiac surgical procedures and conditions including:
- Coronary Artery Bypass Graft
- Aortic Valve Replacement/Repair
- Mitral Valve Replacement/Repair
- Aortic Valve Conduit
- Aortic Arch Replacement

Significance of hemodynamic measurements
Patient B, a 67-year-old patient with a history of severe CAD and COPD, has undergone a technically difficult 4-vessel CABG. She was taken back to the operating room for bleeding, and in the face of adequate cardiac function is a predictor of extubation failure that requires re-intubation. How can you optimize the patient’s pulmonary status? The Swan-Ganz catheter measurements of key hemodynamic parameters can aid your assessment of the situation to help you define a tailored therapy solution.

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Demonstrating continuum of care

Patient A is admitted to your ICU postoperatively after a difficult 3-vessel CABG, AVR. Although doing well, he is noted to quickly decompensate. His BP drops to 90 systolic, his PCWP is 28, and his CI decreases to 1.5. You give fluid and inotropic support, yet no improvement is seen. As you call the surgeon, you learn the LIMA harvest had clotted. Blood flow is restored and the patient’s heart is now functioning appropriately. Swan-Ganz catheter measurements alerted personnel to the acute dysfunction.

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Vigilance II Monitor

Know more. Know now.

To understand why the Swan-Ganz system is the gold standard in hemodynamic monitoring, visit www.edwards.com/SwanGanz. Contact your Edwards representative or visit Edwards.com/ecce to integrate Edwards Lifesciences professional educational materials into your hospital’s learning system.

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