

HeartSuite™ Hemodynamics

HeartSuite Hemodynamics is a comprehensive knowledge tool for the cath lab. It integrates complete functionality for data collection, waveform analysis, inventory control, patient charging, and procedure reporting into a single, easy-to-use system.

With HeartSuite Hemodynamics, charting a case is fast and easy, so your cath lab team can collect required procedure data consistently and accurately from lab to lab and from user to user. And its powerful data mining capabilities and customizable reports allow managers to extract the data they need to drive quality and efficiency improvements.

Simple, easy-to-use touchscreen interface

HeartSuite Hemodynamics was developed at one of the nation's leading heart centers with the assistance of Cardiovascular technologists who understand cath lab workflow first-hand. As a result, few hemodynamic systems on the market can match its speed and ease of operation.

For starters, HeartSuite Hemodynamics uses the world's most perfect interface device – the human finger. You can document any procedural action by simply touching the screen and dragging and dropping the selected data element onto the event log.

The user interface is designed to display all of the patient data in a familiar format, a patients' chart. There are a series of folders that run across the screen and within the folders are tabs that show specific information related to each tab. The user simply selects a folder and finds the data within a tab. It's something that everyone can relate to. Learning to navigate the entire system takes minutes not days.

Unlike other systems that make you click through multiple, cascading menus to find the data entry you want, all HeartSuite Hemodynamics screens are only one level deep, allowing you to quickly make the necessary data selections and keep up with the progression of the procedure.

User designed templates and selection items

HeartSuite Hemodynamics conforms to your workflow, not the other way around. Selection templates are customizable so you specify the data collected at every point of care.

Comprehensive and easy to see Vital Signs

Heart rate, respiration rate, EtCO₂, SpO₂, temperature, NIBP, and Apnea measurements grouped together for easier visulation at a glance.



Data at your finger tips! Touch screen design makes our hemo system easier and more efficient to use.

Full Disclosure captures complete hemo data every time

HeartSuite Hemodynamics records more than 200 hours of full disclosure waveform data, ensuring all critical study data is electronically captured and stored. This data can be reviewed and recorded so that even missing a pressure during the study is not a problem with HeartSuite Hemodynamics.

Concurrent access of patient studies

HeartSuite Hemodynamics allows multiple users to access the same study file so that data can be entered at the same time on more than one workstation. For example, a patient may have just left the holding area and data needs to be input while the patient is actually in the cath lab. Additionally the user can have two workstations in the cath lab and one staff member can be recording pressures while another is entering a medication.

Fail-safe consistency and accuracy of data collection & required items

Like a pilot's pre-flight checklist, HeartSuite Hemodynamics' on-screen procedural workflow design ensures that required data elements are entered accurately and consistently at all points of care. Visual indicators alert the user that there are required items that haven't been captured. Once the data collection is complete the indicator is removed from view so that the user knows exactly what information still needs to be collected.

Each screen is automatically populated with defaulted data fields. Hemodynamic measurements and medication dosages are calculated automatically, reducing errors and eliminating redundant data entry.

What's more, HeartSuite Hemodynamics' unique design makes it easy to collect data when and where it is most accurate – at the point of care – allowing your staff to document all aspects of a procedure, including complications, quickly and easily.

HeartSuite Hemodynamics' superior data input capabilities give you a powerful database for accurately assessing clinical outcomes and pathways compliance.

Slice and dice data any way you want with User Defined Reporting

With HeartSuite Hemodynamics, the possibilities for data analysis are virtually limitless. Its powerful database tools allow easy extraction of the information that managers need for:

- Analysis of clinical outcomes and pathways.
- Evaluation of department performance.
- Quality and accreditation initiatives.
- Cost control.
- Problem solving.

In addition to a wide range of pre-defined report templates, HeartSuite Hemodynamics empowers managers with a unique user-defined reporting tool that allows you to cross correlate elements in the database in any number of ways to generate custom reports, e.g., matching procedures to complications. Best of all, there's no need for complex database queries – HeartSuite Hemodynamics does it for you.

Robust, open database with Microsoft SQL

Data collected in real-time during the procedure flows into HeartSuite Hemodynamics' standard Open Data Base Connection (ODBC) compliant SQL database, ensuring that your data is portable and accessible.

A true inventory management tool

HeartSuite Hemodynamics' integrated inventory management module tracks supply usage, automates inventory management, and enables administrators to more effectively manage costs.

- Supply use is captured with a barcode scanner and linked to other procedure data, simplifying patient billing and case-cost analysis.
- Inventory usage is automatically tracked as it is used in a patient study eliminating hand counting and ensuring that adequate supplies are always on hand.
- Procedure costs are analyzed with just a few mouse clicks.



High performance from a standards-based system

HeartSuite Hemodynamics runs on standard PC hardware and Windows operating system, protecting you from technology obsolescence. The state-of-the-art record station computer delivers top-line performance, reliability, and crisp visualization of procedure and waveform data.

HeartSuite Hemodynamics can be optionally configured to communicate with your hospital information system or HeartSuite Cardiovascular Information System (CVIS) using the industry-standard HL7 protocol, improving your workflow and the exchange of information throughout the enterprise.

Training gets you up to speed and service keeps you there

We offer a range of training options designed to make your "go live" transition quick, seamless and successful, including off-site training for team leaders at our training facility. Extensive tools for remote diagnostics and repair coupled with a nationwide network of experienced service personnel, enables our excellent service organization to maintain high system uptime and reliability.



To learn more about our enterprise solutions for cardiology, call us at 866.EMAGEON, ext.1558 or visit www.emageon.com



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