

PHILIPS

Image guided therapy

Hemo system

with IntelliVue X3



Improving workflow in
the interventional lab

with continuous patient monitoring

How continuous patient monitoring benefits cath lab workflow

Improving productivity and outcomes is vital for healthcare facilities to meet the growing demand for cath lab procedures. To further simplify cath lab workflow, Philips introduces the Interventional Hemodynamic system (Philips Hemo system) which brings advanced hemodynamic measurements to the cath lab. Integrated with the market leading Philips IntelliVue X3 patient monitor, this unique combination enables continuous patient monitoring throughout the cath lab.

By connecting the IntelliVue X3 in the cath lab with the Philips Hemo system, you can continuously monitor a patient. There is no need to change cables, minimizing disruption and giving you more time to focus on your patient.

Patient journey

Prepare



Using one monitoring device across the interventional workflow reduces the need to re-connect patient cables and disturb vulnerable patients

Transport



With its compact form factor, the patient monitor enables uninterrupted patient monitoring even during transport – supporting a gap-free medical record

Arrive



When the patient arrives in the exam room, the monitor is easily docked to the table. It then provides patient monitoring data to the Philips Hemo system.

Treat



Patient vital signs, waveforms and alarms are displayed in the control room and exam room. In the control room, staff can perform hemodynamic analysis and display results in the exam room to support real-time assessment of the patient's condition

Recover



After the procedure, the monitor stays with the patient when transferred to the recovery

Key benefits of the Philips Hemo system



Improved communication in the interventional lab by visualizing hemodynamic analyses in the exam room

In the control room, clinical staff can monitor all of the patient's vital signs, analyze physiological parameters and easily display calculation results in the exam room. These results are displayed as a numerical value and a gradient image.

Displaying numerical and graphical results helps clinical staff stay focused on the tasks at hand without the need to leave the sterile area.

Team members in the exam room can now visualize and adapt vital signs and physiological calculations easily at table side using the Touch Screen Module. Being able to control visualizations and adapt measurements on the Touch Screen Module helps improve workflow by letting you perform more tasks at table side.

Learn more about how the Philips Hemo system supports an improved workflow - Get the study results





Enhanced workflow through integrated iFR functionality

The fully integrated functional measurement option is your gateway to bringing the latest physiological techniques into the interventional lab. It allows you to perform and analyze, instant wave-free Ratio (iFR) Spot and Scout pullback measurements in both the exam and control room.

These techniques can provide valuable functional information regarding the severity of lesions in the coronary arteries. The hyperemia-free iFR is exclusively integrated in the Philips Hemo system, to enhance your interventional procedures. iFR measurements are displayed in real time and stored as part of the automatically populated hemodynamic record.

Confidently used by all staff members with minimal training

To help you maintain a single-minded focus while you work, the user interface incorporates Azurion's intuitive workflow approach. On-screen guidance and touch screen interactions help team members smoothly proceed through procedures and work efficiently with each other.

As you work, the system highlights the steps required to perform specific tasks in the control panel to guide you in easily performing measurements.

This promotes ease of use by all staff members with minimal training, allowing flexible staff rotation in the interventional lab.



Connected cardiology workflow

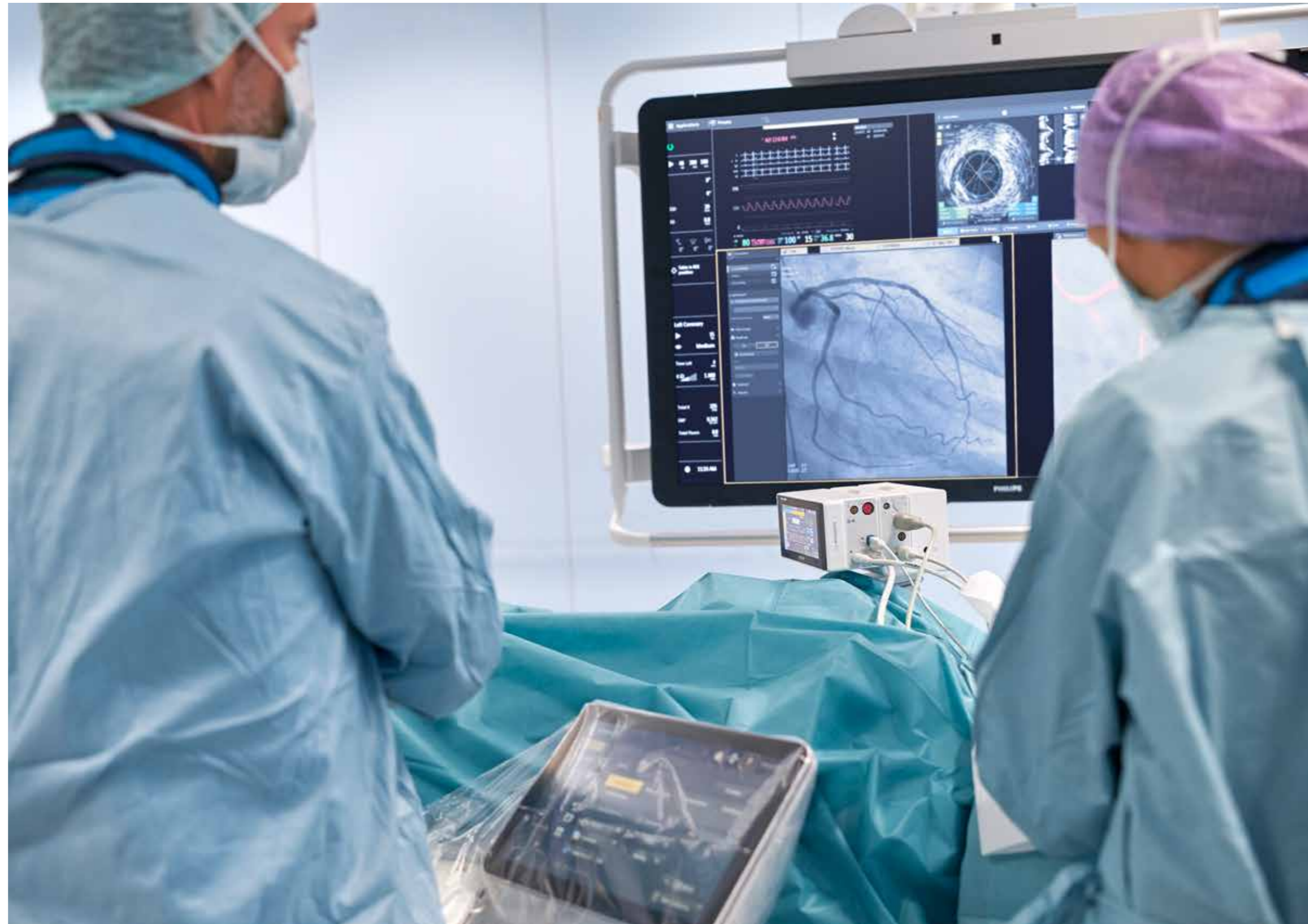
Philips Hemo system is integrated with your Philips image guided therapy system and Xper Information Management (IM) to streamline lab workflow. These systems work efficiently together to reduce manual data entry.

This in turn may reduce user entry errors, help improve the integrity of your reports and minimize interruptions. All aimed at helping you focus on your patient and communicate effectively with your team.

Xper IM helps you create more efficient workflow with hemodynamic measurements and cath lab data management, facilitating collaboration across the cardiovascular teams with less effort on your part.

For example, it provides a single point of contact for pre-, intra- and post-procedure documentation and reporting. Xper IM populates the final cardiac report with patient data, and interfaces with HIS, PACS and EMRs to avoid redundant data entry. It integrates patient records in reporting, including patient demographics, hemodynamic measurement and calculations, and arterial tree overview for stent and balloons.

Xper IM also provides a complete overview of device, medication, sedation, patient charges and so on. These capabilities streamline workflows in billing, registry reporting and inventory management.



Fits your clinical workflow

Choose the set-up that works best with your lab



Basic

Basic monitoring and hemodynamic analysis capabilities for main stream Interventional Cardiac procedures

Clinical and workflow functionality:

- Non-invasive blood pressure
- Body surface temperature
- 12 lead ECG
- 2 invasive blood pressures
- Calculated Cardiac Output Fick
- Respiration rate
- SpO₂ Philips FAST, Covidien or Masimo
- Capture and store hemodynamic waveforms and ECG's
- Full disclosure (record and store all waveforms data for post case review and analysis)
- End case report (hemodynamic measurements and calculations)
- Print waveforms and hemodynamic analysis
- Store patient date
- Visualization ST values
- Aortic Regurgitation (AR) Index

Clinical Options:

- Integrated Philips iFR/FFR
- Integrated FFR (compatible with Abbott)

Work Flow Options:

- Continuous Monitoring
- Ability to operate in patient area
- Trolley

Integrated with Philips image guided therapy system

- Hemo control from Touch Screen Module
- Patient demographics
- Connected to FlexVision or Monitor Ceiling Suspension

Performance

Comprehensive monitoring and hemodynamic analysis capabilities for wide range of Interventional Cardiac procedures

Clinical and workflow functionality:

- Non-invasive blood pressure
- Body surface temperature
- 12 lead ECG
- 4 invasive blood pressures
- Thermodilution Cardiac Output (and calculated Fick)
- Respiration rate
- SpO₂ Philips FAST, Covidien or Masimo
- Capture and store hemodynamic waveforms and ECG's
- Full disclosure (record and store all waveforms data for post case review and analysis)
- End case report (hemodynamic measurements and calculations)
- Print waveforms and hemodynamic analysis
- Store patient date
- Visualization ST values
- Aortic Regurgitation (AR) Index

Clinical Options:

- ETCO₂
- Respiration LowFlo CO₂
- Covidien Microstream® CO₂
- Integrated Philips iFR/FFR
- Integrated FFR (compatible with Abbott)

Work Flow Options:

- Continuous Monitoring
- Ability to operate in patient area
- Trolley

Integrated with Philips image guided therapy system

- Hemo control from Touch Screen Module
- Patient demographics
- Connected to FlexVision or Monitor Ceiling Suspension



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How to reach us
Please visit www.philips.com
healthcare@philips.com