Flexibility and clinical decision support

Xper Flex Cardio Physiomonitoring system

PHILIPS

sense and simplicity

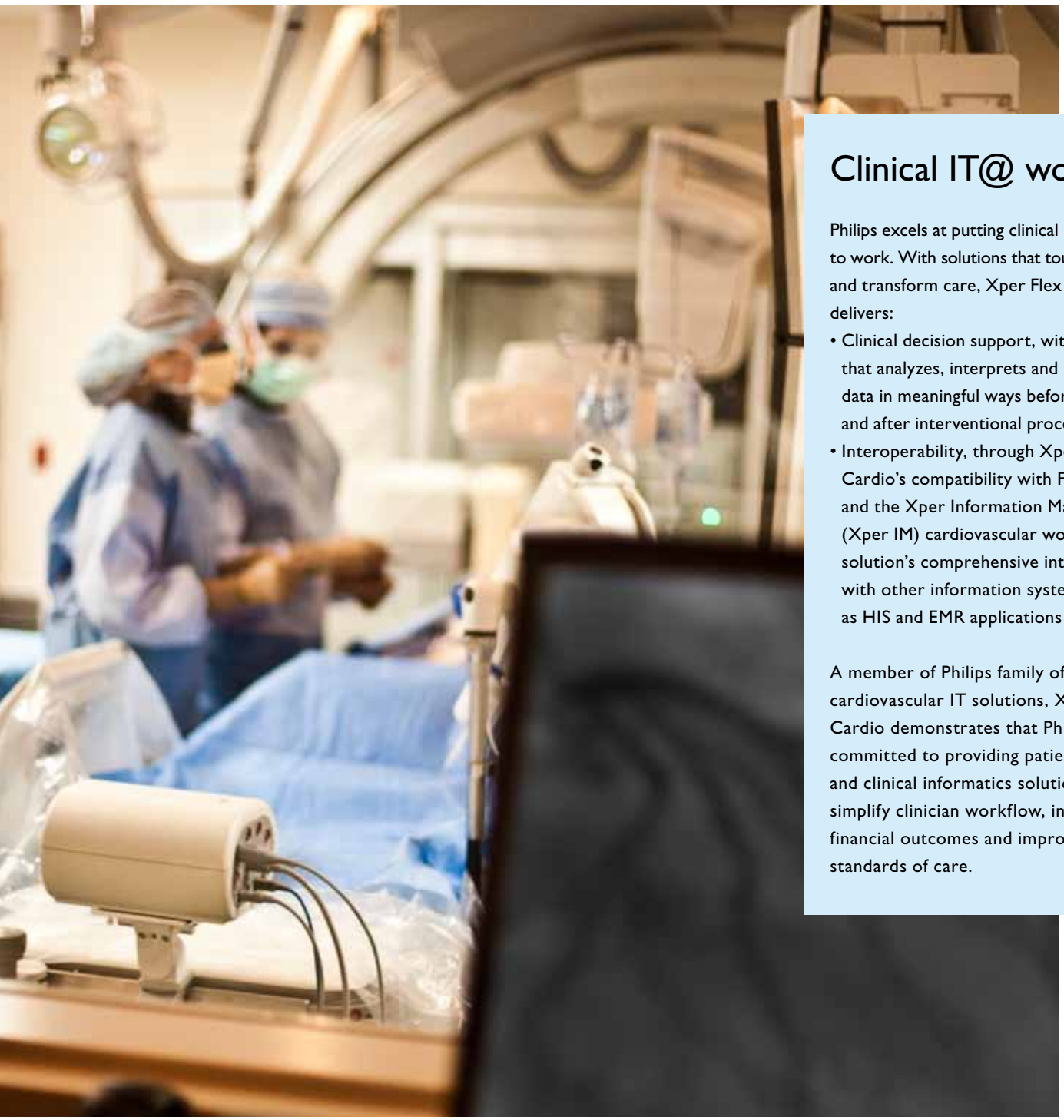
Small size, big impact

Xper Flex Cardio is flexible enough to be installed in nearly every interventional environment, such as cardiac catheterization, invasive vascular, electrophysiology, and even hybrid labs combined with surgical suites.

At only 4.4 pounds (2.0 kg), Xper Flex Cardio packs a lot of powerful technology into a small package (about 7.5″ x 6″ x 10″ or 19 cm x 15 cm x 25 cm). Advanced clinical decision support capabilities deliver valuable patient information pre-procedure, during the procedure and in recovery. For example, with just one click, you can document vital ECG information in the clinical report.

As interventional labs support more and varied procedures, the required clinical tools – including FFR, IVUS, and radiation protection systems – put space at a premium. In such a crowded environment, a small physiomonitoring system can be a great advantage, providing clinicians the freedom to reach the patient from nearly any position needed, and avoiding table movement restrictions that can be caused by larger systems. But it is not just size that makes it easy to fit the Xper Flex Cardio in almost any environment. VESA (Video Electronics Standards Association) mounting capabilities allow mounting in many types of locations, including on an X-ray table rail in a lab, on an articulating arm, on a roll cart that can be used in multiple labs, or against a wall by the bedside in a patient monitoring area. In addition, the control computer can be located in either the control room or the procedure room.

To simplify clinician workflow and reduce cable inventory needs, Xper Flex Cardio was designed to use many of the same cables utilized with Philips IntelliVue patient monitors, making it easy to transfer patients between the pre- or post-interventional holding areas and the procedure room.



Clinical IT@ work

Philips excels at putting clinical intelligence to work. With solutions that touch patients and transform care, Xper Flex Cardio delivers:

- Clinical decision support, with software that analyzes, interprets and presents data in meaningful ways before, during and after interventional procedures
- Interoperability, through Xper Flex Cardio's compatibility with FFR devices and the Xper Information Management (Xper IM) cardiovascular workflow solution's comprehensive interface with other information systems, such as HIS and EMR applications

A member of Philips family of cardiovascular IT solutions, Xper Flex Cardio demonstrates that Philips is committed to providing patient care and clinical informatics solutions that simplify clinician workflow, improve financial outcomes and improves standards of care.

Clinical decision support that raises the standard of care

Xper Flex Cardio brings information-rich technology where you need it, giving you the flexibility to choose where, when and how to work.

FFR helps assess ischemia

Fractional Flow Reserve (FFR), a lesion-specific, physiological index, quantifies the hemodynamic severity of intracoronary lesions, providing information that can help determine if a stent is required. With a single click, you can capture FFR data, making it easy to bring this calculation to bear on your treatment decisions. FFR measurements and calculations are automatically added to patient reports and recorded in the permanent cath lab records.

DXL ECG Algorithm delivers consistent measurements

The optional DXL ECG Algorithm produces consistent ECG measurements that are used to generate interpretive statements. By applying age- and gender-specific criteria, the algorithm provides ECG interpretation that helps clinicians more accurately assess the cardiac state of patients.

ST Maps draw attention to abnormalities

Early detection of ST-segment elevation myocardial infarction (STEMI) shortens "discovery to treatment" times. The DXL Algorithm enables Philips patented ST Maps, a graphical indication of ST elevation or depression. Philips ST Maps meet the 2009 AHA/ACCF/HRS's recommendation that the spatial orientation of ST-segment deviations be displayed in both frontal and transverse planes. The maps provide distinct patterns for different anatomic sites of acute infarcts, region of ischemia, and other conditions, helping physicians assess a patient's condition before and during the procedure. After the intervention, ST Maps provide visual verification of the results, allowing assessment of the extent of the infarct and the success of the stent in alleviating the condition.

ST Maps facilitate quick and easy viewing of multi-lead ECGs

Culprit Artery Detection helps identify lesions in need of intervention

The DXL Algorithm also powers Culprit Artery Detection, a Philips-exclusive technology that provides suggestions on the probable site of an occlusion prior to a cath procedure, saving valuable time and assisting with procedure planning.

Choose 12 or 16 leads

The DXL Algorithm supports the use of both 12-lead, and – an industry first in the cath lab environment – 16-lead ECGs. The additional right chest and posterior leads used in 16-lead ECGs can provide information that may not be apparent on traditional 12-lead ECGs. If 16-lead ECGs are used, the DXL Algorithm applies incremental criteria to enhance the specificity and sensitivity of the study. In addition, using 16 leads for post-procedure ECGs facilitates rapid and confident assessment of cardiac symptoms.

Critical Values highlight important findings

Critical Values are highly visible independent statements that appear on the ECG reports. These Critical Value statements highlight conditions requiring immediate clinical attention, and can be used to support "discovery to treatment" and quality initiatives.

Xper Flex Cardio provides:

- Standard 12-lead or optional 16-lead ECG
- Four invasive blood pressure channels
- Non-invasive blood pressure (NIBP)
- Pulse oximetry (SpO_2)
- Respiration rate
- Body surface temperature
- Thermodilution cardiac output
- One-click ECG reports
- DXL Algorithm (optional) offering Critical Values, STEMI-CA and ST Maps
- FFR (optional)
- End tidal CO_2 sidestream (optional)
- End tidal CO_2 mainstream (optional)

Enhancing workflow through advanced connectivity

"Now we can do a 12-lead ECG before patients leave the cath lab, rather than transferring them to another department and waiting up to 40 minutes for the study."

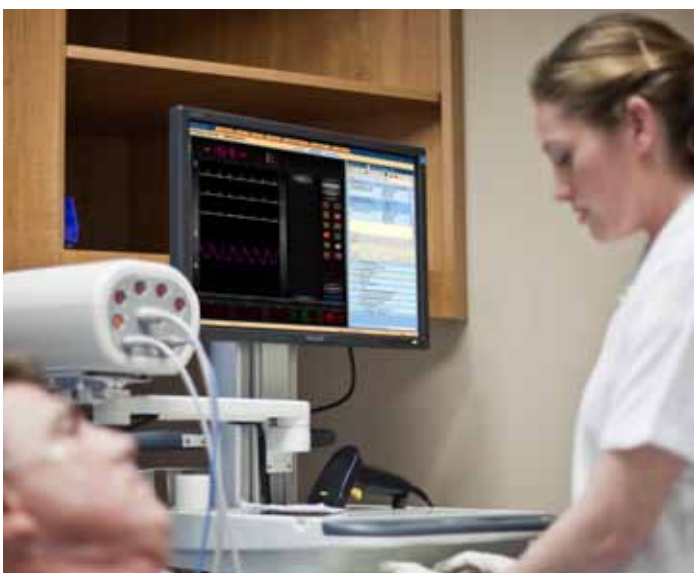
Casey Ford, Cath Lab Supervisor,
Health Central Hospital, Ocoee, Florida

The backbone of Xper Flex Cardio is Xper Information Management, Philips cardiovascular workflow solution that brings information from interventional lab procedures to any networked workspace. With efficiency-enhancing tools for reporting, scheduling, inventory, and intelligent data management, Xper IM delivers:

- Industry standard relational database for user-friendly report generation
- Customization of access, menus, reports and forms to meet your specific needs
- Scalability to accommodate multi-vendor and legacy Philips physiomonitoring systems
- Optional modules including Inventory, Scheduling, Transcription and Data Analysis can accommodate a wide spectrum of user environments
- Dedicated interfaces with other Philips clinical informatics solutions, such as Xcelera, enhance the cath lab experience

Support for the life of your equipment – and beyond

Philips is committed to providing service for the life of your equipment. We offer service agreements that provide outstanding levels of clinical system service delivery and solution enhancement, to help you achieve the clinical and financial results you need to gain a competitive advantage in your marketplace. We also offer numerous options for Philips customers who are interested in migrating from their current systems to Xper Flex Cardio. For complete details on Philips services, please contact your local sales representative.



Philips Healthcare is part of
Royal Philips Electronics

How to reach us
www.philips.com/healthcare
healthcare@philips.com

Asia
+49 7031 463 2254

Europe, Middle East, Africa
+49 7031 463 2254

Latin America
+55 11 2125 0744

North America
+1 425 487 7000
800 285 5585 (toll free, US only)

Please visit www.philips.com/xperflexcardio

Printed in The Netherlands.
4522 962 73781 * AUG 2011