

A healthcare professional in blue scrubs is shown in a clinical setting, likely an MRI room. She is leaning over a patient who is lying on a table, partially covered by a white patterned sheet. The professional has a focused and attentive expression. In the background, the large, white, curved structure of an MRI scanner is visible, along with a control panel on a stand. The lighting is soft and clinical.

**PHILIPS**

MR Patient Care

Expression

MR200

First step,  
**right step**

# Take the **smart path**

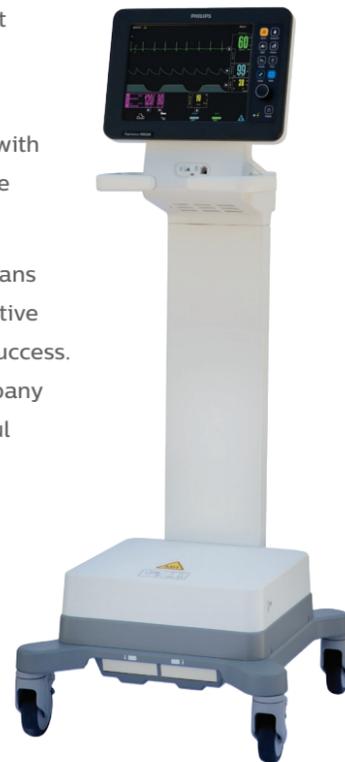
New referrals can help you thrive even in the face of today's challenging healthcare economics. Expanding into procedures that require patient monitoring can be a natural step.

Choose wisely from the start, with Philips and Expression MR200\* for bedside-level quality with the affordability that makes it practical to move in this new direction.

Increase your clinical value to referring physicians while empowering your staff to create the positive patient experiences required for sustainable success. Choose Philips, and you partner with the company with more than 25 years of bringing meaningful innovation to MR monitoring.

The smart path starts with growing referrals by conducting procedures that require patient monitoring.

**Make your first step the right step with Expression MR200.**



\*The Expression MR200 MRI patient monitoring system complies with ASTM Standards F2503 and F2052 for medical devices in the MR environment.



## What you should know about cardiac monitoring in the MR suite

Rapid switching of magnetic field gradients and RF pulsing can induce significant artifacts in acquired ECG signals.<sup>1</sup> ECG monitoring can also interfere with electromagnetic fields, resulting in ECG artifacts that can imitate abnormalities on the MR image.<sup>2</sup> The comprehensive Expression ECG solution begins with the patient and includes specially designed and tested Quadrode electrodes. These electrodes provide superb signal from the patient to the monitor while reducing the risk of RF-induced heating.

## Why the right step matters

Healthcare economics are putting pressure on care providers to reduce the number of MR imaging procedures.<sup>3</sup>

**Ask your MR monitoring partner,** “What are you doing to help me increase the clinical value we provide to referring physicians?”

# Your reputation depends on quality results

## Every patient deserves the best quality you can provide.

Expression MR200 provides the kind of bedside-quality parameters and design previously found only in monitors designed and priced for higher-acuity applications.



**Wireless ECG**  
Specifically designed for the unique demands of the MR suite, Expression wireless ECG offers exclusive and comprehensive Philips ECG advances for the consistent results essential to quality care for cardiac patients.



**Wireless SpO<sub>2</sub>**  
SpO<sub>2</sub> monitoring provides precise values for saturation and fast acquisition, even for pediatric patients, to overcome many issues associated with traditional pulse oximetry such as low perfusion, patient movement, or intense ambient light.



**NIBP**  
Acquire consistent readings from neonates to very large adults through a range of NIBP cuff sizes and with readings based on oscillometric measurement.



**CO<sub>2</sub> and respiration (optional)**  
Advanced sidestream capnography provides excellent CO<sub>2</sub> and respiration quality for patients with respiratory concerns or those undergoing sedation.



Philips accessories are designed specifically for MR and cover a broad range of patient sizes, helping you meet 2014 American College of Radiology guidelines. Save time with snap-and-go connections and choose what's best for your facility with reusable and disposable options.

## Why the right step matters

The idea of choice is becoming increasingly important as value-based care models evolve.

**Ask your MR monitoring partner,** “What are you doing to help us provide the patient experiences that make us the preferred choice for referring physicians?”

# Simplicity builds confidence

### Efficiency with ease.

When your staff have equipment that’s easy to work with, they have the confidence to focus on your patients’ experience. Expression experience-driven design keeps you steps ahead in the MR suite by starting with an uncommon understanding of how people interact with technology and with each other.

#### Freeing

Wireless connectivity, including cardiac gating, unleashes productivity by reducing cable clutter while keeping you connected to your patient and to hospital IT systems.

#### Trending

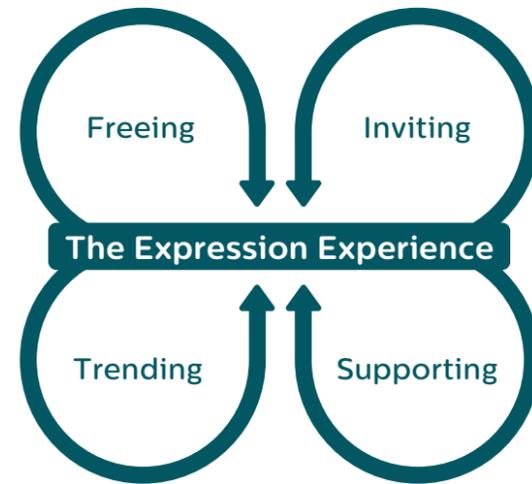
Expression trend arrows that display data in meaningful ways give you valuable context for decision-making before, during, and after the exam.

#### Inviting

Philips designers and engineers look for every opportunity to go from “user interface” to “fulfilling experience” with visual data elements that are bold and easily identified and simple but effective navigation.

#### Supporting

Features like automated Gauss alarming mean one less thing to worry about by prompting staff to maintain an appropriate distance between the monitor and magnet.



## Pinpointing moments of high anxiety during MRI procedures

A recent study conducted by Philips Research Laboratories found that anxiety levels are highest at the beginning of MRI procedures, when the table moves into the scanner.<sup>4</sup> Designing MR monitors that help reduce cable clutter and that come with accessories sized appropriately by patient can help contribute to a calming experience for patients and staff during all phases of the procedure.

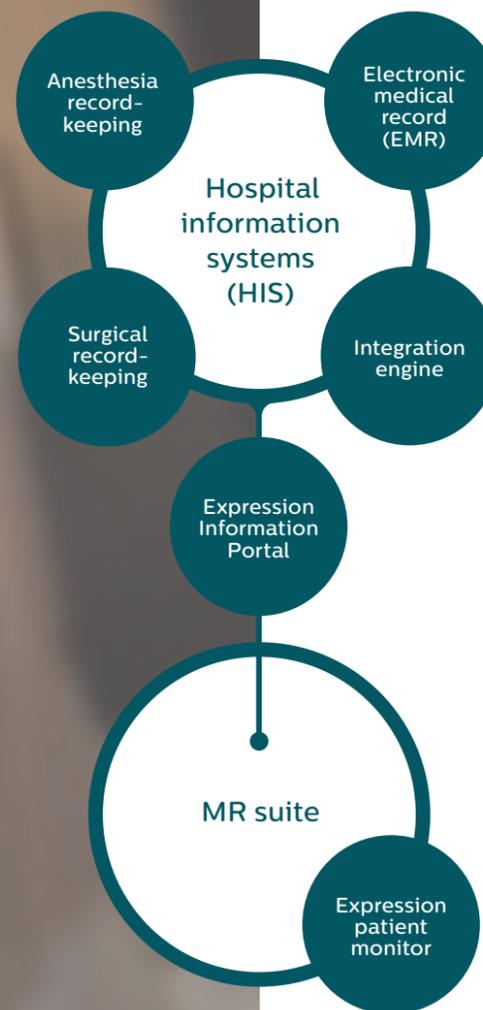
“The MR200 has been very user-friendly and efficient for our busy imaging center. The wireless capabilities have helped tremendously. Our nursing staff and technologists have been very pleased.”

RN Supervisor  
Diagnostic Imaging Center, Southwestern U.S.

## EHR technology and meaningful use

Certain electronic health record programs provide financial incentives for the “meaningful use” of certified EHR technology. To receive payment, providers must meet certain measurement thresholds that range from recording patient information as structured data to exchanging summary care records.<sup>5</sup> Philips can help you take steps toward meeting these new requirements by making it easy to fit MR patient monitoring into your hospital’s overall IT strategy.

Smart case management is standard via the Expression Information Portal. Access, view, and track vital signs in the MR control room right through recovery and connect with your hospital IT system—without the need for additional wireless router networks.



## Why the right step matters

Value-based care models are enabled in part by the ability to more efficiently share information during the care continuum.

**Ask your MR monitoring partner,** “How are you making it easy for us to share information between our MR imaging suite and hospital IT systems?”

# Connect with convenience

## Share your results with ease.

With Philips, all patient vitals monitored during the MR exam are sent to your hospital information and record-keeping systems to help your institution’s IT strategy succeed, and for exceptional care and management throughout the MR imaging experience.

**Blending the exceptional expertise of Philips in both IT and monitoring, Expression MR200 offers easy IT network interoperability via the Expression Information Portal.**

“If I could download patient readings into the EMR that would be fantastic.”

Executive Director, Radiology Services  
Integrated Healthcare System, Midwestern U.S.

## Why the right step matters

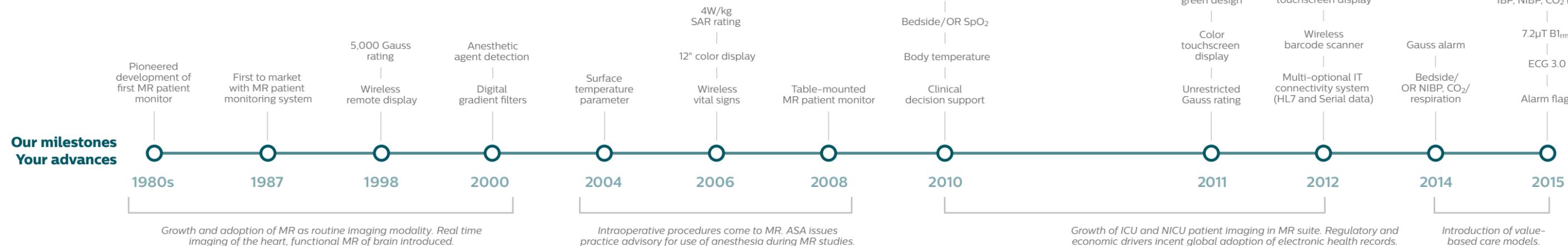
Success in today's healthcare environment requires more than transactional relationships.

**Ask your MR monitoring partner,** "How can I be assured you'll evolve with us over the long term?"

# Supporting you from the start

## We're with you at every step.

Philips puts you on the smart path to meaningful growth in MR patient monitoring, from getting started to allowing for higher- acuity monitoring procedures in the future. **See where we're going. Together.**



**No other MR monitoring company can point to progress like this for you and your patients.**

## Trusted by the best

Every one of the top 10 children's hospitals in the U.S.\* uses Expression MR patient monitoring solutions to help advance patient care.

\*U.S. News and World Report, 2014



Every Expression MR200 monitor is backed by the experience and expertise of our Philips team.



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#### HOW TO REACH US

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Model number: MR200  
Part number: 866120

<sup>1</sup>Larson, A. C., White, R. D., Laub, G., McVeigh, E. R., Li, D. and Simonetti, O. P. (2004), Self-gated cardiac cine MRI. *Magn Reson Med*, 51: 93–102. doi: 10.1002/mrm.10664.

<sup>2</sup>Birkholz, Torsten MD; Schmid, Markus MD; Nimsy, Christopher MD; Schüttler, Jürgen MD; Schmitz, Bernd MD; ECG Artifacts During Intraoperative High-Field MRI Scanning; *Journal of Neurosurgical Anesthesiology*; October 2004 – Volume 16 – Issue 4 - pp 271–276.

<sup>3</sup>Bending the Curve: The Recent Market Slowdown in Growth of Noninvasive Diagnostic Imaging; David C. Levin, et al; *American Journal of Roentgenology*; 2011 196:1, W25–W29.

<sup>4</sup>van Minde D, Klaming L, Weda H. Pinpointing moments of high anxiety during an MRI examination. *Int J Behav Med*. 2014 Jun;21(3):487–95. doi: 10.1007/s12529-013-9339-5.

<sup>5</sup>[www.healthit.gov](http://www.healthit.gov); Meaningful Use Regulations; March 20, 2015.