

PHILIPS

Multiva 1.5T

MR systems

**Making high performance
your standard**

Powered by oStream

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Innovation that matters to you

From the very beginning, we have always had one thing at the heart of our company – our mission to improve people’s lives through meaningful innovation. This mission inspires us to work with you to find the shortest path to the best care at the lowest cost. It drives us to create technology that makes a difference – to those who run our MR systems, those who read the images, and those patients who benefit from confident diagnoses.

We are dedicated to improving and saving lives through innovation that we develop together with clinicians and customers. Your patients can have better, more personalized care, while you make the best use of time and budget. Together, we can drive clinical performance, enhance patient and user experience, and ensure economic value, within and beyond the walls of your enterprise.

Drive clinical performance

Our technical advances in image quality and anatomical intelligence are focused on clinical reality. We innovate to make a difference in people’s health.

Enhance patient and user experience

We deliver patient comfort by reducing examination times and creating soothing environments. We provide patient-centric imaging to support first-time-right imaging results.

Ensure economic value

To help you maximize your MR investment, we design our systems to pay off quickly and return dividends for a long time, through upgrade programs, extensive service offerings, and low operating costs.

Designed to meet **your needs**

More opportunities, more referrals

Philips is committed to fueling a revolution in imaging designed to deliver greater collaboration and integration, increased patient focus, and improved economic value. We provide you with advanced imaging technologies you can count on to make informed clinical decisions, while providing more efficient, more personalized care for patients.

Multiva 1.5T meets your need for fast, robust, routine MR imaging, while excelling in advanced clinical areas so that you can tap new opportunities and expand your referral base.

Multiva delivers:

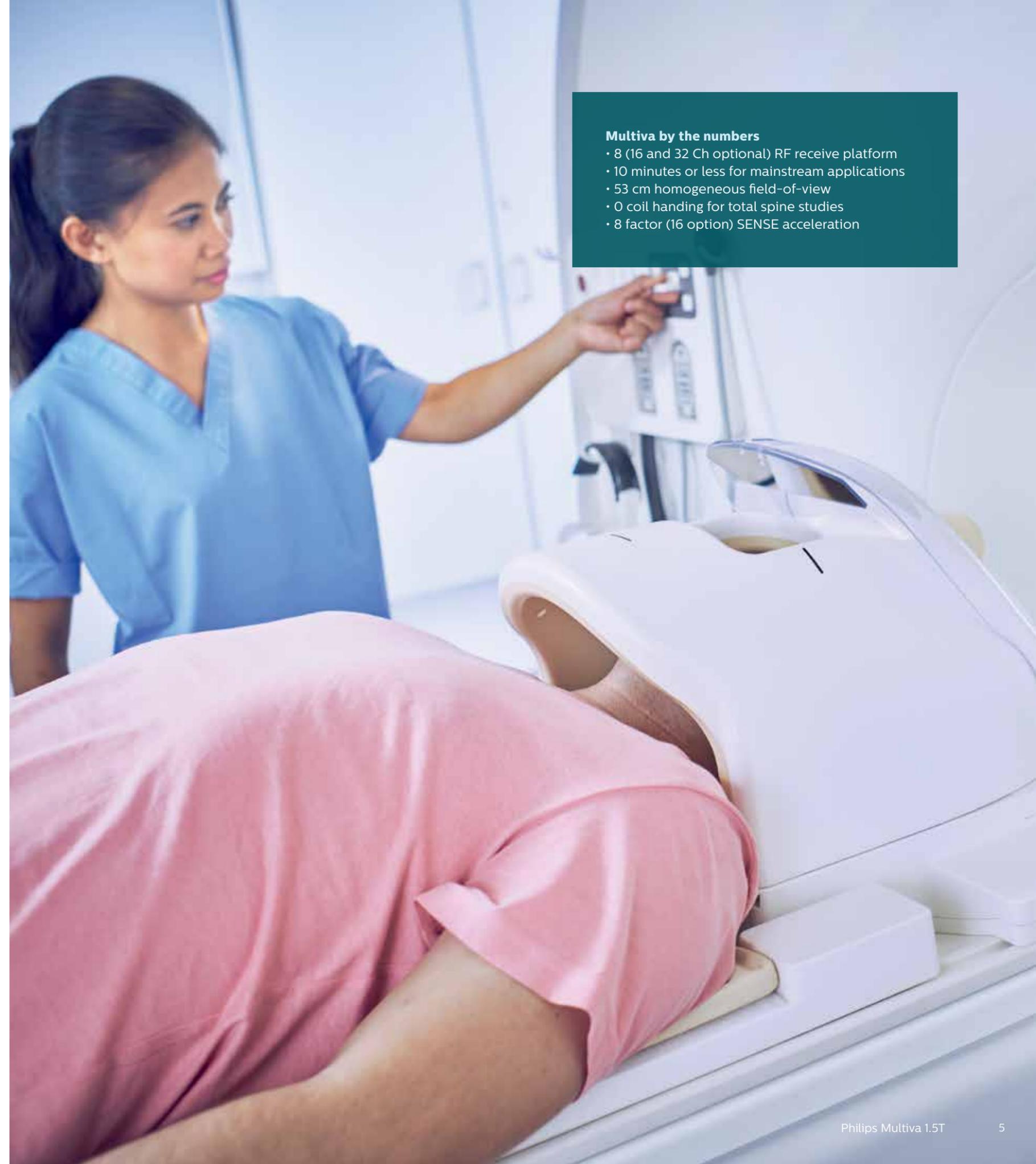
- High-quality routine imaging in as little as 10 minutes
- Advanced clinical applications, including whole body, oncology, and breast imaging
- Up to 40% reduction in patient/coil set up time with FlexStream workflow
- oStream analog-to-digital signal conversion inside the scan room, at the magnet, allowing higher signal data integrity compared to conventional analog-digital-conversion (ADC)
- Affordability – today and for the life of your system

Proven technology, top performance

With Multiva, you benefit from Philips innovative and proven technology - from both the Ingenia and Achieva systems - acclaimed for its speed, clinical competence, and robust reliability. And now we've added innovations designed specifically for busy departments expecting high performance levels that help you offer your patients efficient service and confident diagnoses.

Multiva by the numbers

- 8 (16 and 32 Ch optional) RF receive platform
- 10 minutes or less for mainstream applications
- 53 cm homogeneous field-of-view
- 0 coil handling for total spine studies
- 8 factor (16 option) SENSE acceleration





Enhance patient and user experience

High productivity

By combining ease-of-use with features that make exams faster, Multiva delivers outstanding throughput to address ever-growing patient volumes and pressure on reimbursements.



8/16-channel Head/Spine Coil for brain, spine, and neurovascular studies.



Ultra-light Anterior Torso Coil with large coverage combines with the posterior coil for body imaging.



Improved speed and workflow in MSK exams with 8-channel MSK coils.



Head/Spine Coil allows positioning of headphones even with the Neurovascular Top Coil in place.



FlexCaddy stores a variety of coils and auxiliaries for easy access.



Dockable patient trolley simplifies patient preparation and workflow.

Head, spine, musculoskeletal and body imaging makes up about 85% of exams in a typical MR department. Multiva enables many of these exams to be completed in just 10 minutes, so you can scan more patients per day.

SENSE high speed imaging

SENSE, Philips revolutionary parallel imaging technique, continues to lead the industry with high acceleration factors. With Multiva and SENSE, you can image up to 16 times faster than conventional imaging.

FlexStream workflow:

up to 40% reduction in patient/coil set up time

FlexStream workflow enables 100% of total spine studies to be performed without additional coil handling and 100% of head, body, musculoskeletal, and neurovascular studies with a single ultra-lightweight anterior coil or the 8-channel SENSE MSK coil.

SmartAssist for ease and efficiency

SmartAssist – the next generation of Philips powerful combination of SmartExam and ExamCards – can halve the number of repetitive tasks for greater efficiency.

It includes:

- **SmartSelect:** Automatically determines which coils and elements should be activated for maximum SNR in the region of interest
- **SmartExam:** Available for brain, spine, shoulder, knee, and breast imaging, positions slices on the target anatomy, reducing operator input to as little as a single mouse click
- **SmartLine:** Performs smart background processing (such as volume view, diffusion, perfusion etc..) of multiple image datasets in parallel with image acquisition

Patient comfort for enhanced productivity

- Large Neurovascular Coil for patient comfort with room for headphones, even with the top on
- Open-faced spine imaging with top-off operation
- SofTone significantly reduces acoustic noise

oStream enhances operational excellence

Multiva's powerful oStream receiver brings analog-to-digital signal conversion inside the scan room, at the magnet, allowing higher signal data integrity compared to conventional analog-digital-conversion (ADC). oStream architecture powers operational excellence in mainstream and advanced applications, enabling higher data integrity compared to conventional ADC (analog-digital-conversion).

The combination of oStream and the high-performance RF amplifier allows:

- Short TEs and TRs for excellent image quality and reduced examination times
- Enables higher channel count for the system
- Real-time imaging control for motion correction, including Multivane XD and navigator-corrections
- Real-time control of RF transmission, gradient switching, data acquisition, and triggering
- Improved EPI performance



Multiva 1.5T
Multiva 1.5T with oStream digitization in the exam room

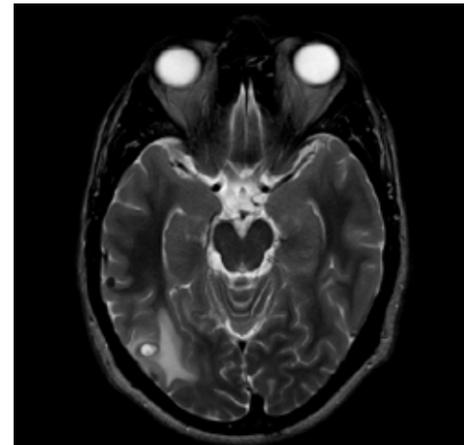


Conventional MR
Conventional MR system with digitization in the equipment room

Drive clinical performance

Rich in clinical applications

Multiva meets the needs of the ambitious imaging provider, enabling you to grow your referral base for mainstream imaging while also offering advanced and emerging applications.



Brain MultivaneXD T2

Multiva's fundamental strength is its powerful platform that enables broad clinical coverage.

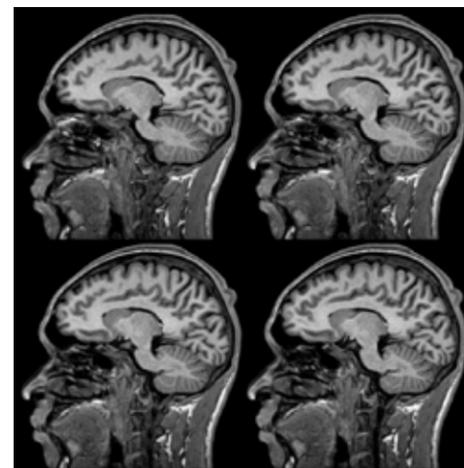
- 53 cm homogeneous imaging volume for large coverage
- Powerful Galaxy gradient performance
- Up to 32 Ch* with oStream RF platform
- Direct Digital Sampling RF receiver with digital demodulation for high SNR
- Powerful 18 kW RF transmit system
- A wide range of high channel count high-channel, dedicated coils for even higher SNR and resolution

Together, these features enable large coverage with high quality fat suppression, fast imaging, short breath-holds, and high resolution.

Clinical breadth

Multiva is a clinically-rich system covering a broad range of applications and methods, including spectroscopy, diffusion tensor imaging, fiber tractography, as well as advanced cardiac, breast, and whole-body imaging. Our clinical applications are packaged with real-world requirements in mind, enabling you to deliver excellence in all applications, both mainstream and advanced. You can conduct studies with confidence, knowing that every image will reflect Philips outstanding image quality.

* optional

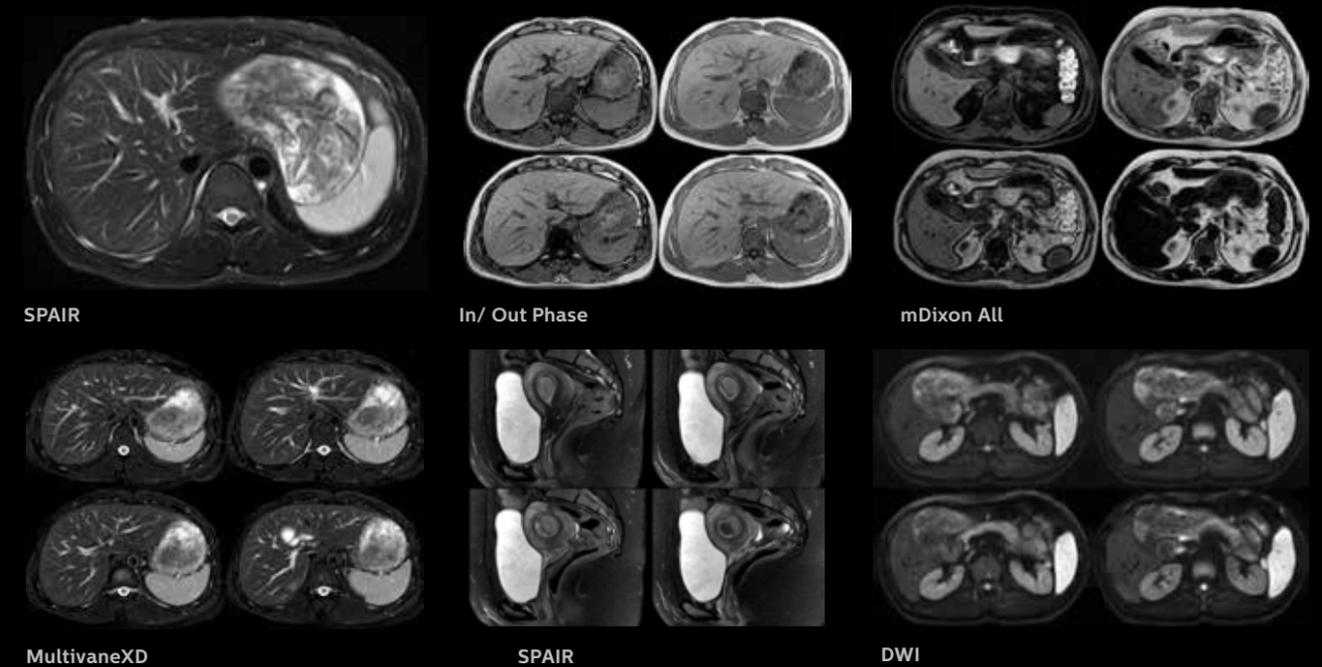


Brain view 3D T1



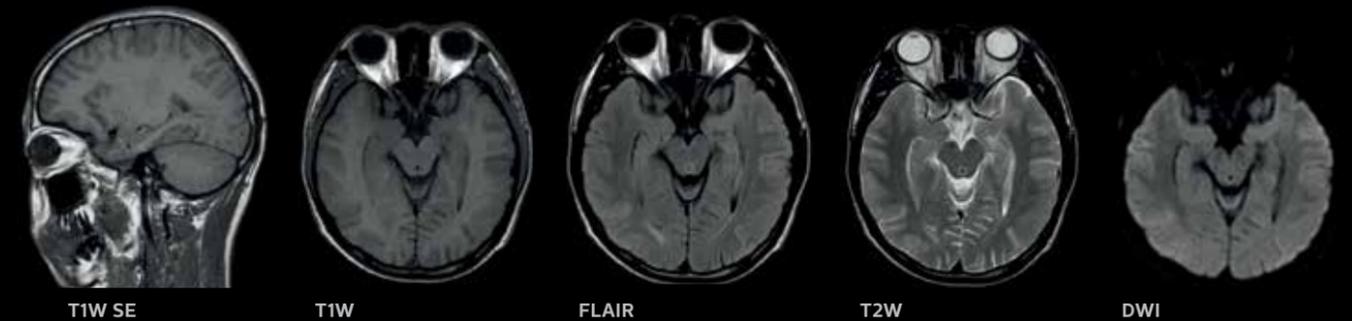
Brainview FLAIR with sagittal source, coronal and axial reformatted images

Routine Body Imaging



Look what you can do in just 10 minutes

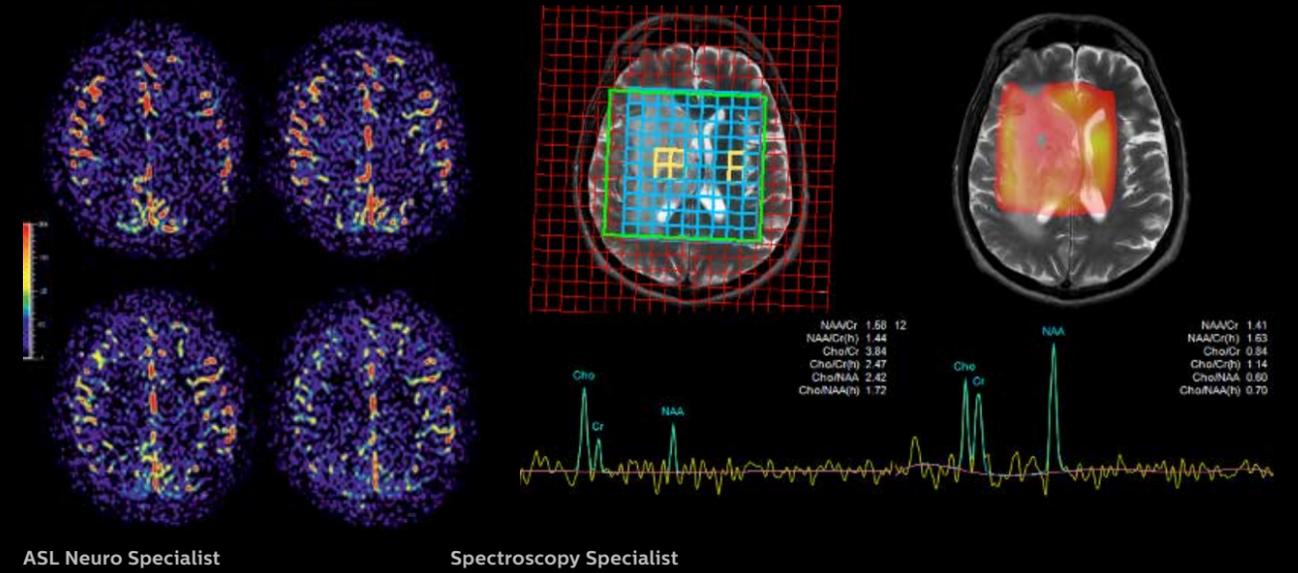
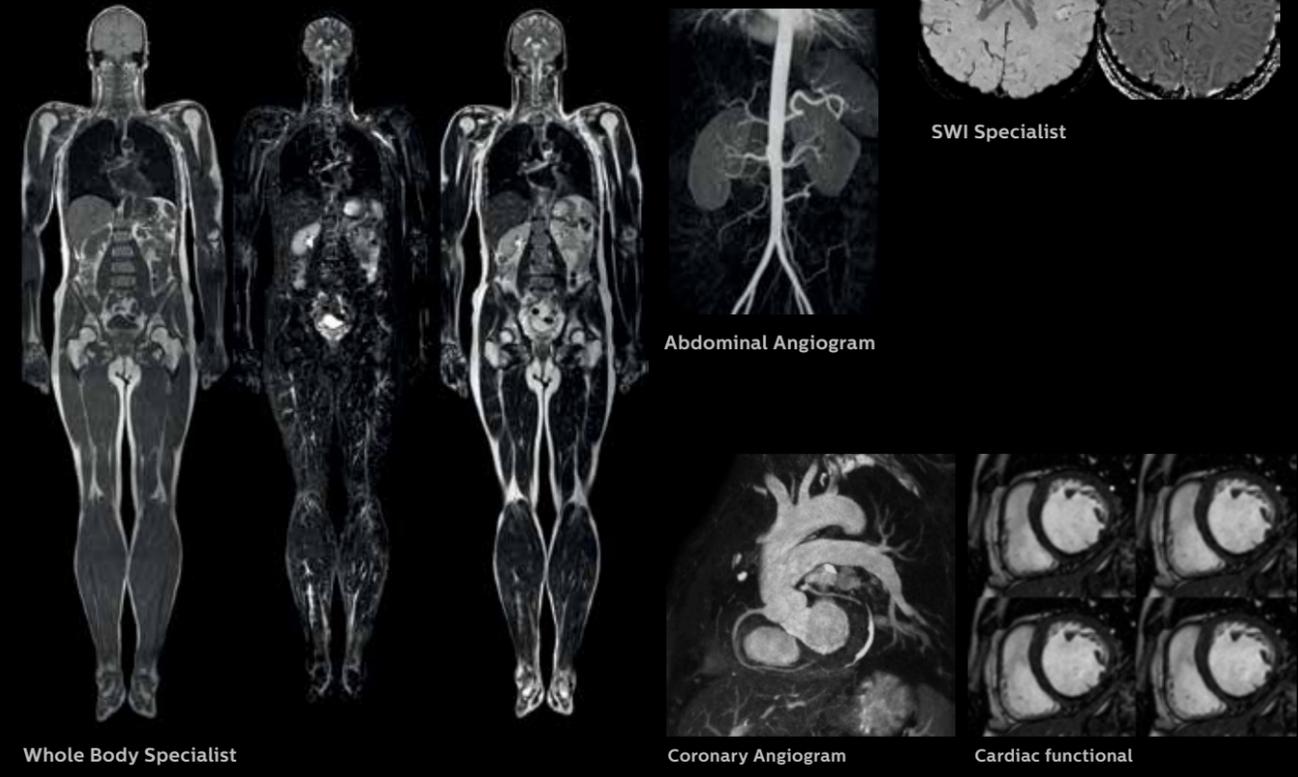
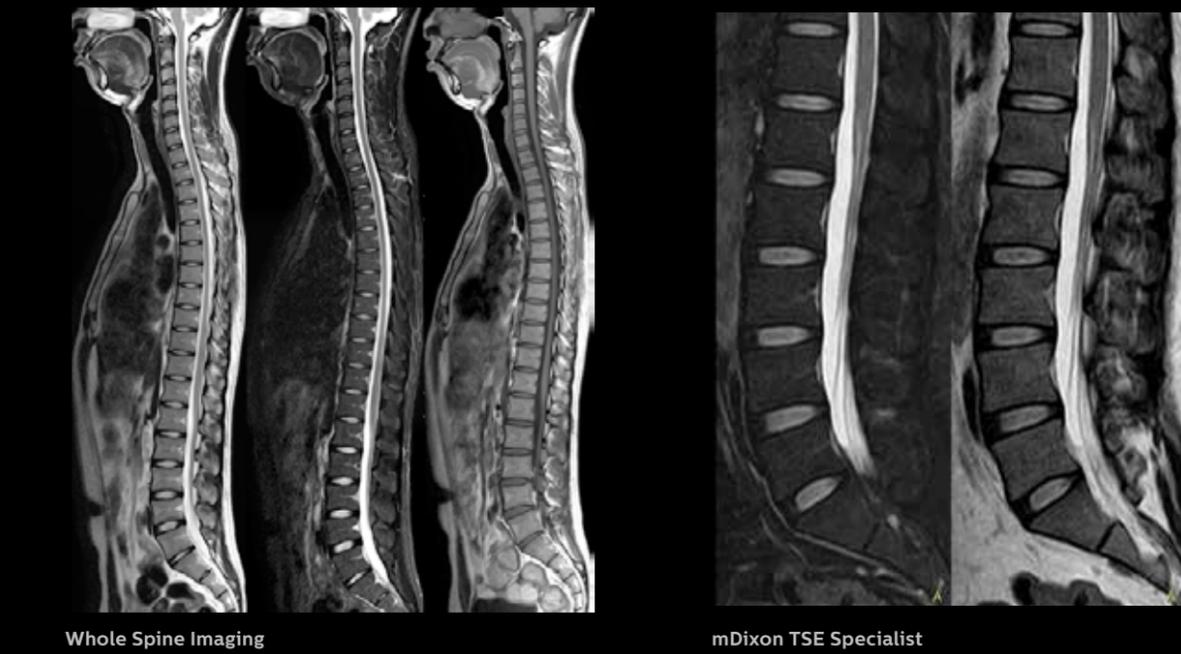
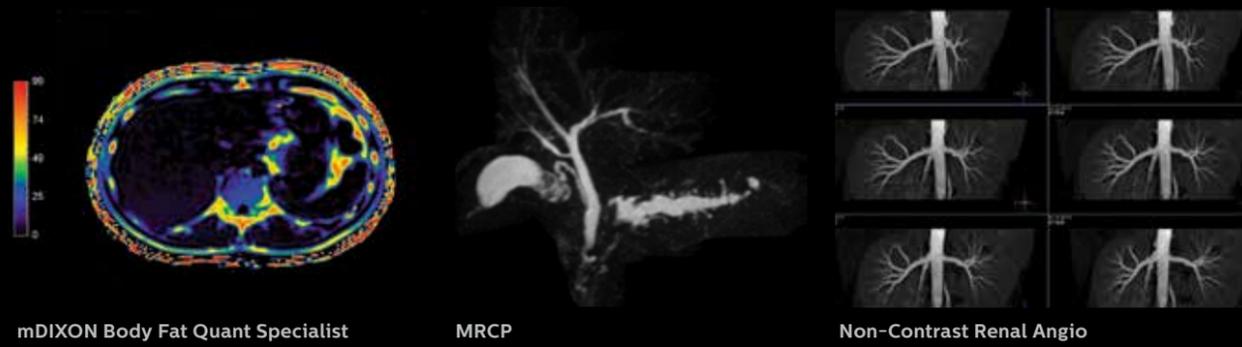
10 minute brain study



10 minute MSK study



Going beyond routine examinations...



Ensure economic value

Helping you prosper in a competitive environment

By starting with proven technology, then adding innovations that enhance productivity, ensure high image quality, and enable users to offer both mainstream and advanced applications, Multiva is a sound economic choice. Its value is heightened by easy siting, power-saving features, and service and education that help users maximize their system utilization.

Control your costs

Philips helps you control your costs with:

- Compact Siting, which enables installation in an average of under 10 days, getting your MR system in operation quickly and economically
- PowerSave technology, which reduces power consumption and costs

- Zero Boil Off magnet, with state of the art actively shielded magnet technology, reduce life cycle costs
- Low siting costs, thanks to the system's lightweight design and small fringe field footprint

Continuing support

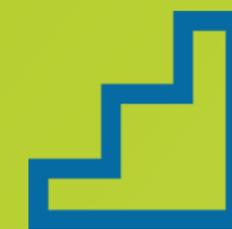
With Multiva you can have the MR scanner you want – backed by Philips host of services that help you maximize your investment:

- An array of virtual, off-site, and on-site training options that enable you to begin working with more than a beginner's knowledge of your system
- Remote monitoring, to detect and solve issues before they affect performance
- A global network of skilled service personnel and worldwide spare parts availability that helps maintain high uptime
- The NetForum Community, an online platform where professionals can share and learn through experience, optimize their systems' performance and download tools to enhance their clinical capabilities
- Philips Utilization Services, intuitive reports with detailed analysis of scanner utilization data, helping deliver scanning efficiency, providing benchmarking information, and helping you choose target areas for growth.

Some of the features described in this brochure may be optional in your country. Please contact your local Philips representative for more details about the Multiva MR system.



Improving scanner utilization can make a big difference to the bottom line. But you cannot improve what you cannot measure. Connecting to Philips Utilization Services provides you with actionable insights into your department's operations and workflow. You will be able to view daily, intuitive reports with detailed analysis of scanner data, including examination lengths, types, and intervals. This data can help deliver scanning efficiency, benchmark services against similar organizations, and target areas for growth.



Enhance



Optimize



Trade-In



Transform

Philips SmartPath

Your Philips imaging system is designed to be reliable and efficient. Ensuring that it remains so from day one is our commitment to you. Philips SmartPath is a way to give you easy access to the latest updates, upgrades, and innovations throughout the cycle of product ownership. By maintaining your equipment at peak performance, you can realize your full clinical and operational potential and be ready to quickly benefit from next-generation solutions. From small enhancements to major system conversions, we help you maximize your investment, for success today and into the future.