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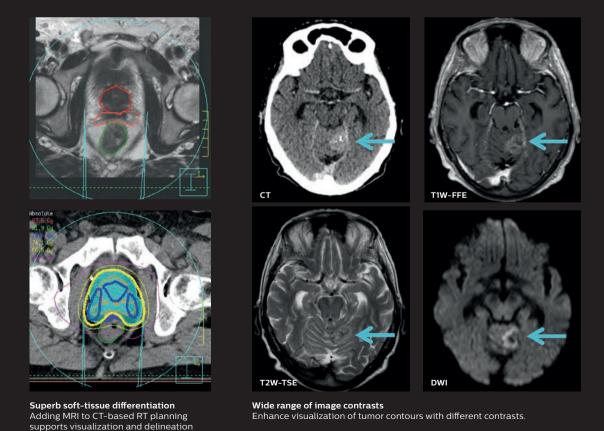
Experience the difference MRI makes

In today's oncology care, imaging for radiation therapy (RT) treatment planning plays a more important role than ever in helping you deliver outstanding care. Whether in external beam radiation, proton therapy, or brachytherapy, the key is to drive the precision of RT. When you can clearly see the target and organs at risk, you can support accuracy in delineation – and design the best possible treatment plans for your patients.

MRI is uniquely qualified to become a key imaging modality in RT to enable oncology specialists like you to address today's challenges, from diagnosis to therapy guidance and follow-up. Integrating MR imaging into your treatment planning workflow can harness the power of MRI and bring

of targets and critical structures.

patient management to the next level. Take advantage of the excellent soft-tissue contrast that MRI offers, and zero in on what you need to see with a wide range of image contrasts and without radiation dose.

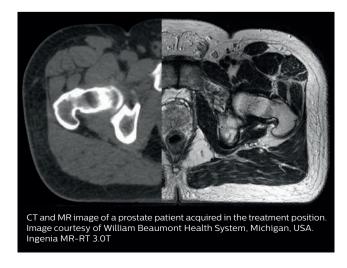




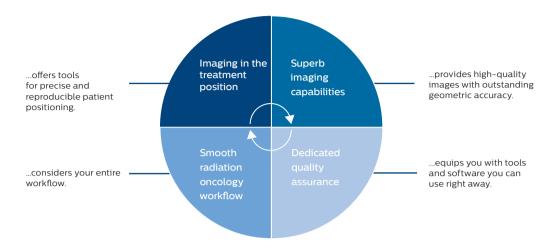
A comprehensive MR-sim solution

Diagnostic protocols don't often meet RT requirements. To integrate MRI smoothly into your CT-based workflow, you need a dedicated solution that's made for you. Featuring a wide-bore Ingenia 1.5T or 3.0T as its backbone, the Ingenia MR-RT is designed to provide high quality MR images acquired in the treatment position that can help you visualize targets and organs at risk. So you can support confidence in delineation and design the best possible treatment plans.

The state-of-the art scanner is just the start. From its overall design down to the details, this comprehensive solution offers you the tools and software to work efficiently and with the precision and versatility you demand.

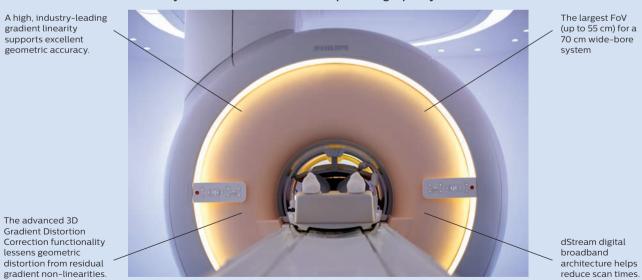


When you choose the Ingenia MR-RT, you're choosing a solution that...



What makes the Ingenia such an outstanding MR system for radiation therapy?

It drives your clinical excellence with superb image quality:



And it's a dedicated platform for RT that allows you to bring a wide variety of MR-related therapies into your clinical routine, such as:

- MR-sim
- brachytherapy
- · follow-up monitoring



Position with precision

Highly targeted treatment plans rely on MR imaging performed in the patient's radiation treatment position. Every patient is different and requires a personalized plan. The Ingenia MR-RT is designed with this challenge in mind and enables versatile, reproducible patient positioning.

A targeted approach: the MR-RT CouchTop

An MR-RT designed for MR-RT deserves a couchtop tailored to RT. The Ingenia MR-RT includes a flat, integrated CouchTop that replaces the diagnostic tabletop to enhance precision and drive clinical efficiency for dedicated RT imaging. Now you can position patients very close to the underlying FlexCoverage Posterior coil – without the distance added by a separate overlay. This frees up in-bore space for patient positioning while enhancing SNR for RT imaging.

Complete with indexing, the MR-RT CouchTop accommodates a variety of MRI-compatible immobilization accessories from leading vendors, including CIVCO, Orfit, and QFix to match your needs.

The ideal complement: Anterior Coil Support

Guide image quality with the easy-to-adjust Anterior Coil Support. Freely slide the light-weight Anterior Coil Support to bring the Anterior coil close to each individual patient without touching body's contours.

The support can be easily tilted and adjusted in height by a single operator. The spacious design makes maximum use of the bore space, providing plenty of options for patient immobilization, even in challenging cases. No matter how patients are positioned, the open frame structure allows laser projections from virtually any direction to the target area.



The spacious Coil Support brings the Anterior coil close to each individual patient.



The indexed MR-RT CouchTop accommodates a variety of immobilization accessories.



Intuitive to use, the Coil Support can be easily tilted and adjusted in height.



Type-S thermoplastic masks are mounted directly.

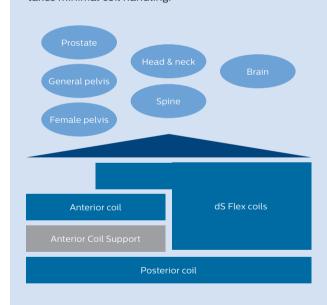


Tailored for treatment planning

Dedicated RT imaging must deliver outstanding image quality – consistently and for multiple anatomies. Optimized MR imaging protocols and versatile coil arrangements on the Ingenia MR-RT work together to help you meet specific RT imaging criteria and scan a wide variety of patients.

Manage multiple anatomies

High image quality for virtually every patient, and every anatomy? With versatile arrangements of dStream coils, you can perform prostate, general pelvis, female pelvis, brain, head and neck, and spine scans all in the treatment position. Patient set-up is intuitive and takes minimal coil handling.



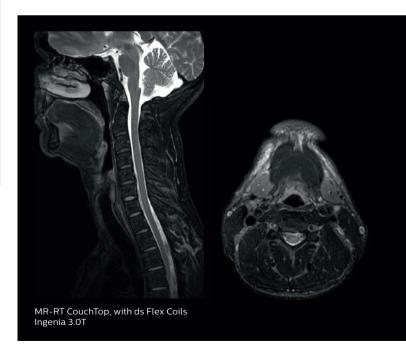
Enhance your view with customized ExamCards

Tailored for treatment planning, optimized MR imaging protocols are designed to provide images with high contrast and high geometric fidelity. These customized ExamCards are available on the MR console for main RT applications and boost the productivity of routine RT exams by executing dedicated imaging protocols quickly.

Enhanced head and neck imaging

The thin, integrated MR-RT CouchTop brings special benefits to head and neck imaging. With a dedicated coil solution¹ that intelligently combines a set of dStream coils, the Ingenia MR-RT brings outstanding image quality for MR simulation.

¹This head and neck coil solution is available for certain software releases. Please check with your local Philips representative.





Maintain high standards

Using MR images in RT places high demands on the geometric accuracy of tumors, organs, and their location. With its high linear gradients and 3D Gradient Distortion Correction, the Ingenia MR-RT provides excellent geometric accuracy ($\leq 1 \text{ mm} \ \emptyset \ 32 \text{ cm} \ \text{volume}$, typical). What's more, it supports your confidence in MRI quality thanks to a dedicated QA analysis package tailored for RT planning.

Know you can rely on MRI performance

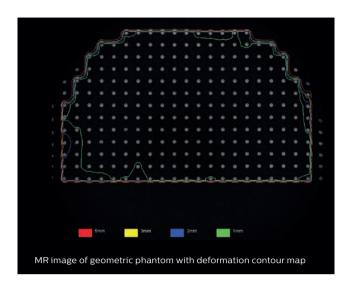
Evaluate the geometric fidelity in a large field of view with the intuitive, ready-to-use package that includes a dedicated phantom and analysis software.

Lessen the likelihood of variability

Since most steps are fully automated, you can perform routine volumetric evaluations efficiently and in a repeatable manner – right from the MRI console.

Enhance productivity

Featuring high MRI signal markers in a regular 25 mm grid design, the QA phantom is designed for RT. No manual analysis steps are needed as automatic image analysis provides a comprehensive set of deformation contour maps for 3D evaluation.



"Accurate geometry is crucial in radiotherapy. A dedicated QA protocol with a phantom that covers a large field of view is required to provide volumetric accuracy information."

Marielle Philippens, MD, PhD, medical physicist, University Medical Center Utrecht, The Netherlands





Work your way

To capitalize on the benefits that MR imaging can bring to your planning, you need a system that fits how you work. The Ingenia MR-RT offers tools, RT software features, and tailored training for workflow refinements, allowing you to focus on what's important: patient care.

Practice clinical excellence efficiently

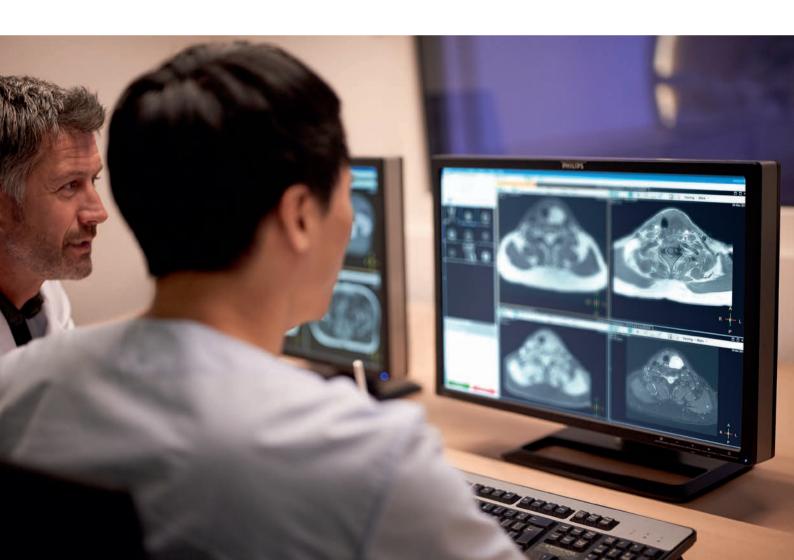
The optional LAP DORADOnova MR3T laser positioning system supports enhanced MR-CT registration since it allows you to align patients at the MRI scanner. Dedicated software keeps the external laser bridge and the MRI scanner connected, which brings advantages to workflows. Simply activate one-click travel-to-scan, and the patient is moved from the laser system isocenter directly into the MRI system isocenter, thereby reducing workflow steps.

Stay connected

Take workflow refinements beyond MRI. The DICOM MR output of your MR images supports connectivity to the Pinnacle³ treatment planning system or other planning systems of your choice.

Learn and share MRI expertise

Successful integration of MR imaging in your workflow starts with people. We offer tailored training to assist your team in streamlining workflows and making full, efficient use of MR imaging from day one.



Advanced imaging is here

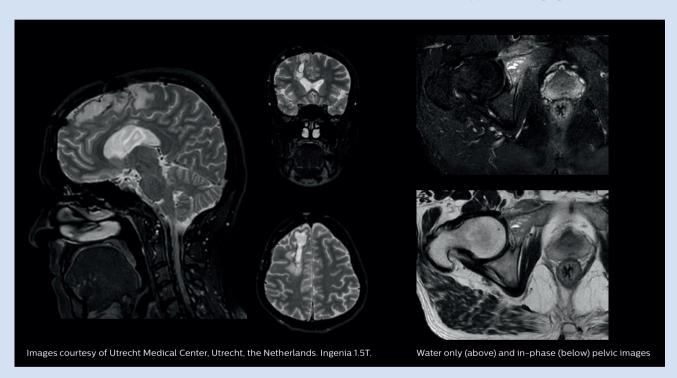
With dStream architecture and dedicated clinical application packages, the Ingenia MR-RT empowers you to apply advanced imaging techniques when and where you need them.

3D BrainView

As part of our configuration, this volumetric 3D TSE imaging technique allows you to quickly see small structures in a very time-efficient manner.

mDIXON

The optional mDIXON package enables robust protocols for multi-contrast, homogenous, and fat-suppressed imaging.



Functional imaging with Ingenia

Perform functional evaluation by means of diffusion, perfusion, and contrast-enhanced imaging. You can combine a variety of imaging options to conduct an advanced analysis of the treatment target volume and support your assessment of therapy response.





Your world is a new world

In an increasingly connected world, health systems are looking for solutions to provide the shortest path to the best care at the lowest cost. Together, we'll find new ways to drive clinical performance, enhance the patient experience, and deliver economic value for your institution.

We partner with you to create innovative solutions that integrate imaging technology with data analytics, consulting, and services. Now more than ever, you have the tools to perform the best exams and provide the quantitative information that helps the care team manage disease.

We share the vision for a seamless integration of radiation oncology within the health continuum. By realizing new opportunities to connect care, we can create a new, healthier future together.

A track record that works for you

As a global leader in healthcare technology, we know your requirements are as dynamic as today's environment. Customers have come to rely on our history in radiation oncology breakthroughs which spans more than 20 years, from pioneering CT simulation, to continuous innovation with the trusted Pinnacle³ treatment planning system and the introduction of MR simulation. When you choose to work with Philips, you're choosing a leader in radiation oncology who understands your workflow. The Ingenia MR-RT represents the innovation you expect from Philips.

