

MAGNETOM Flow RT Pro Edition

Simply
empowering

siemens-healthineers.com/magnetom-flow-rt



SIEMENS
Healthineers

MAGNETOM Flow RT Pro Edition

Introducing MAGNETOM Flow RT Pro Edition – the game-changing 1.5T MRI scanner that simply empowers radiation therapy teams to deliver truly personalized RT care.

Ushering in a new era of ultra-compact, quench pipe-free MRI, MAGNETOM Flow RT Pro Edition simply empowers you with the freedom to site and seamlessly integrate RT-tailored MR imaging into a clinical workflow that's more efficient and comfortable for patients.

Discover the sustainable new MRI system that helps you harness the full potential of personalized radiation therapy – and feel the simply empowering benefits for yourself.



“This MRI system stands out with its flexibility to be placed directly in RT departments close to linear accelerators – without compromising image quality. With the full power of 1.5 Tesla, it’s specifically designed to meet the needs of radiation oncology.”^{1,2}

PD Dr. med. habil. Florian Putz
Senior Physician, Department of Radiation Oncology
Universitätsklinikum Erlangen, Germany

Empowering access

MAGNETOM Flow RT Pro Edition simply empowers you with ultra-compact quench pipe-free MRI that you can easily and affordably site where you need it most.

Empowering precision

MAGNETOM Flow RT Pro Edition simply empowers you with the precision of MR imaging and insights you need to deliver truly personalized RT treatment.

Empowering efficiency

MAGNETOM Flow RT Pro Edition simply empowers you with a fully tailored RT workflow that's more efficient, convenient and comfortable for everyone.

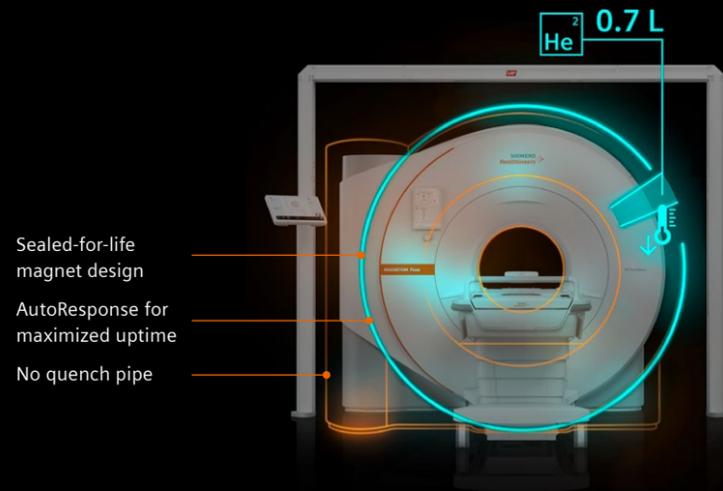
Empowering sustainability

MAGNETOM Flow RT Pro Edition simply empowers you with helium-independent MRI and smart energy-saving features for more efficient and sustainable MRI.

Empowering access

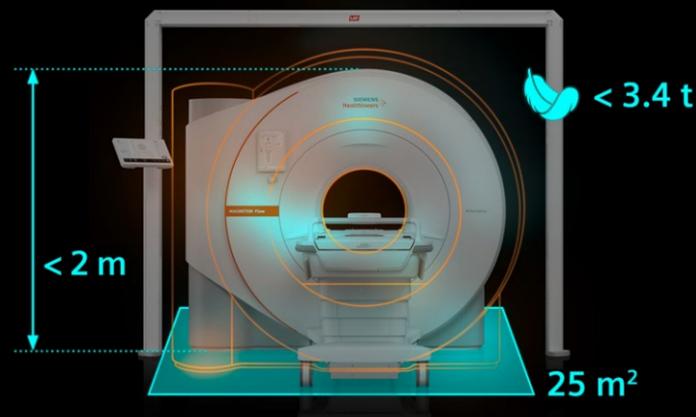
Quench pipe-free

Deploy dedicated MRI in your RT department with no quench pipe and a helium-independent 1.5T scanner that requires no costly infrastructure.

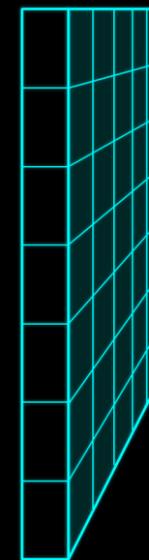


Ultra-compact

Enjoy more siting flexibility in the RT department with an ultra-compact scanner that has a maximum footprint of just 25 m².

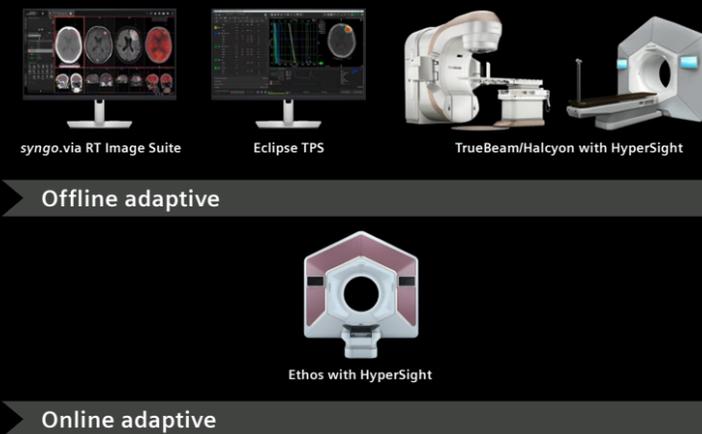


ARIA CORE OIS



Siting close to the Linac

Enable same day appointments and shorten the time between imaging and treatment delivery by siting the MRI scanner close to the linear accelerator.



MRI in RT department

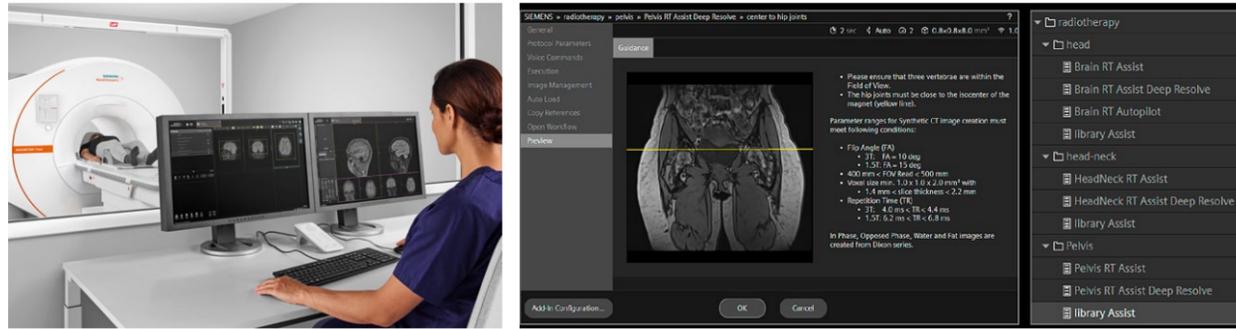
Scan on your own terms and explore new MR-informed workflows and applications with the MRI scanner in your RT department.

Empowering precision

myExam RT Assist

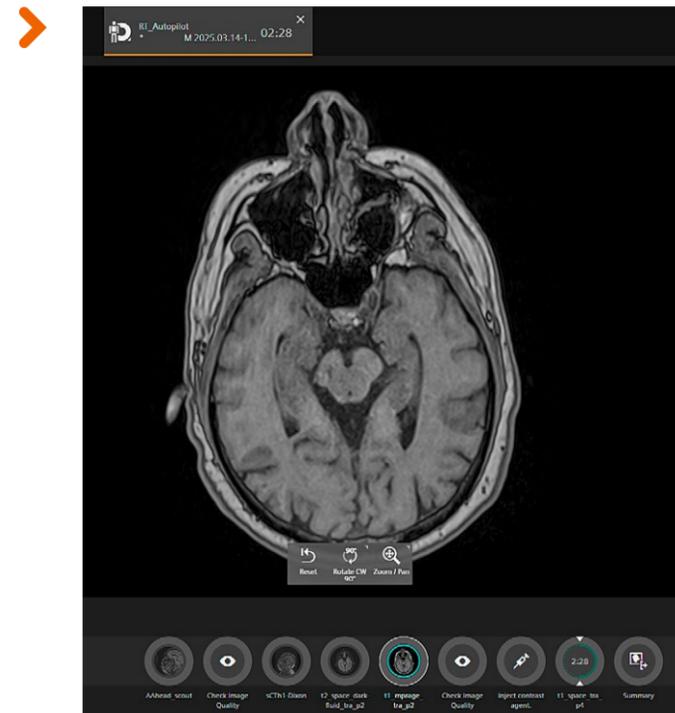
Achieve reproducible results tailored to your needs thanks to myExam RT Assist with automatic distortion correction and axial plane reconstruction. Enhance

treatment planning utilizing RT-optimized protocols provided by myExam RT Assist, which includes workflows for different body regions with Deep Resolve Technology.



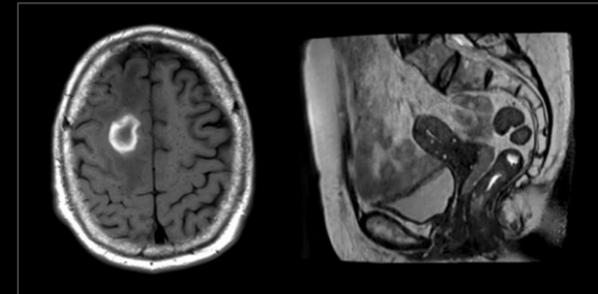
Simplified user interface

Discover a simplified user interface with myExam Autopilot for brain cases and myExam RT Assist for intelligent guidance and flexible strategies.



Soft-tissue contrast

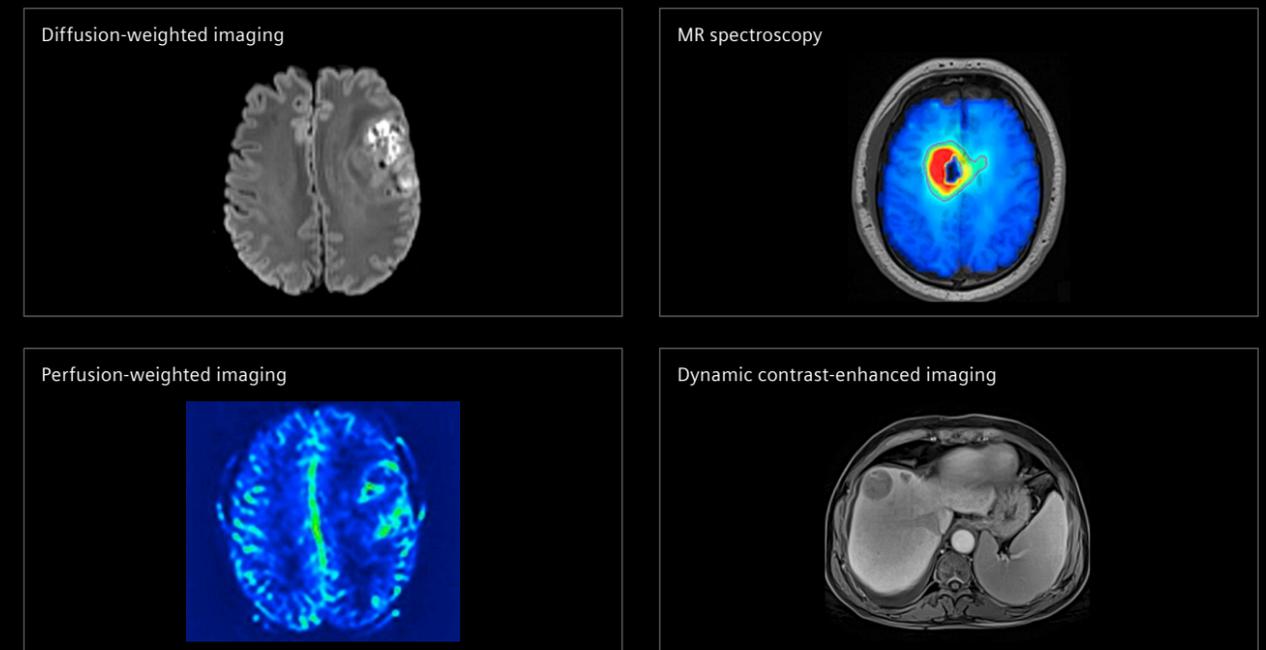
Leverage the power of 1.5T MRI for the excellent soft-tissue contrast that is essential for personalized RT treatment planning.



Courtesy of MVZ InnMed Oberaudorf (Brain, Study ID: CO_0051)
 Courtesy of Institut Du Cancer Avignon Provence – Sainte Catherine, Provence, France (Cervix, Study ID: go.Open_Pro_0350)

Functional information

Harness the additional functional information MRI provides to enhance the way you monitor, respond and adapt treatment for each individual patient.

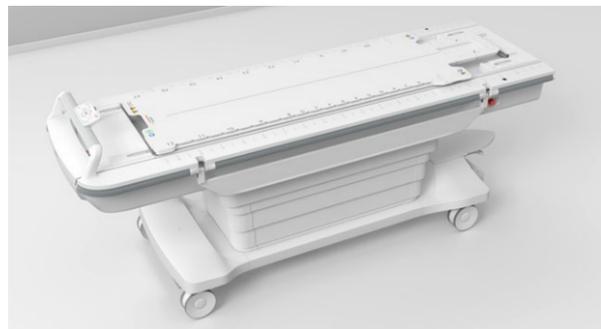


Courtesy of Hospital Ruber Internacional, Madrid, Spain (DWI/PWI, Study ID: 2aaaa0197)
 Courtesy of Emory University, Georgia, USA (Spectroscopy), Universitätsklinikum Tübingen, Germany (DCE, Study ID: 3aaaa0273)

Empowering efficiency

Simplified scanning

Enjoy faster exam set up, patient positioning and scanning with a dedicated RT overlay, ultra-lightweight Contour Coils and intuitive scanner interface.



Position sensor



Respiratory sensor

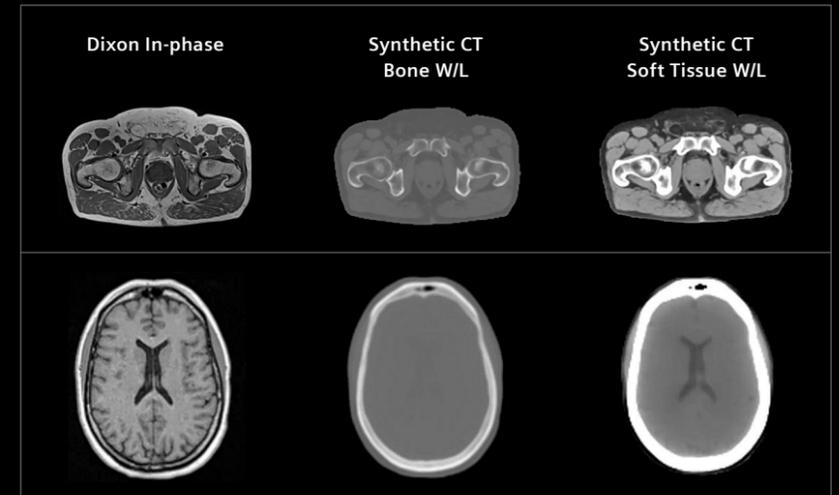


Beat sensor



MR-based Synthetic CT

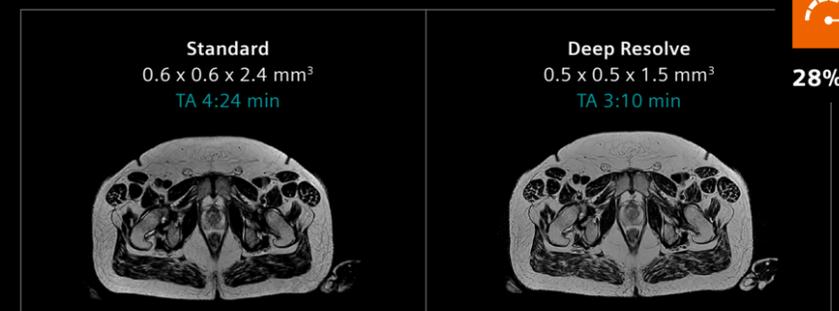
Move to an MR-only workflow for pelvis and brain scans with MR-based Synthetic CT³ and reduce MR-CT image registrations errors as well as CT patient scheduling problems.



Study ID: 1aaaa2898 (pelvis), 1aaaa2658 (brain)

Deep Resolve

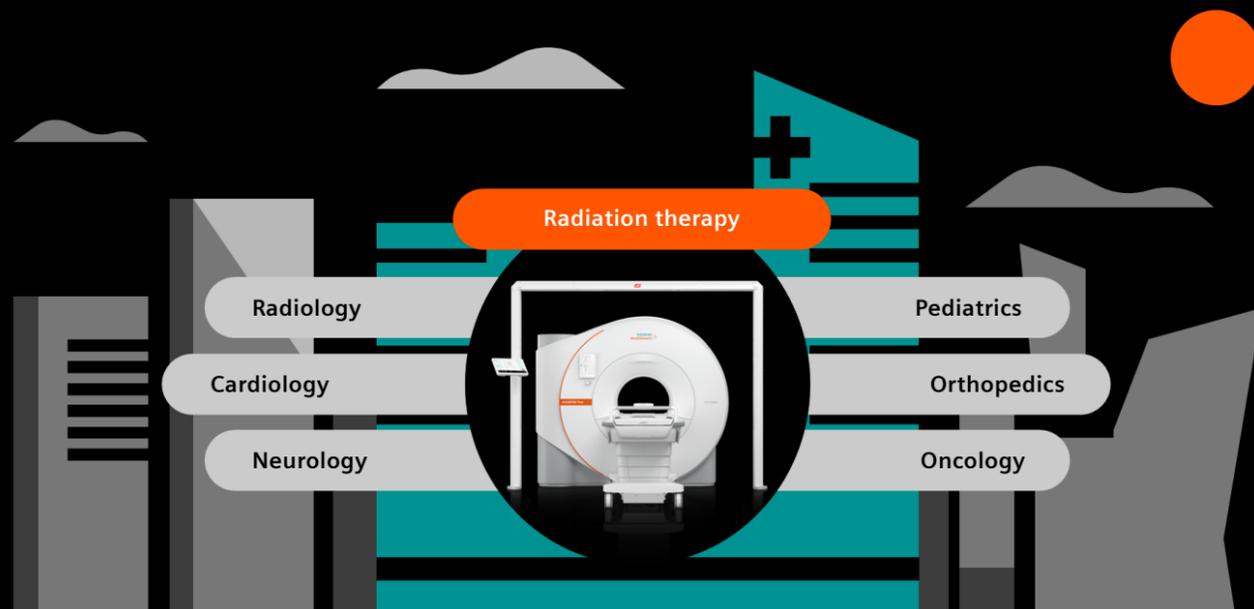
Boost your image quality and leverage faster scans with AI-powered Deep Resolve technology leading to enhanced patient comfort and precise delineation of tumors and organs at risk.



Quality Assurance - General		Customer Quality Assurance - General	
Name	Status	Name	Status
RF Verify MNO	Pass	Phantom Shim Check	Pass
Feedback Loop Call	Pass	Gradient Sensitivity Check	Pass
RX Gain Calibration	Pass	Synthesizer Check	Pass
BC Tuning Check	Pass		
Cable Length Check	Pass		
Gradient Regulator	Pass		
Phantom Shim Check	Pass		
BC Power Losses C	Pass		
Cross Term Comp	Pass		
Eddy Current Comp	Pass		
Gradient Delay Over	Pass		
Gradient Sensitivity	Pass		
BC Image Brightness	Pass		
Image Orientation C	Pass		
Gradient RiseTime C	Pass		
Spike Check	Pass		
RF Noise Check	Pass		
Dynamic Pulse Check	Pass		
Stability Check	Pass		
Synthesizer Check	Pass		
Long Term Stability	Pass		
Motion Correction C	Pass		
Check	Pass		

Quality assurance checks
Plan with confidence thanks to dedicated quality assurance checks optimized for radiation therapy.

Empowering sustainability



Shared use

Maximize your utilization and increase scheduling flexibility by sharing use with other departments.

DryCool technology

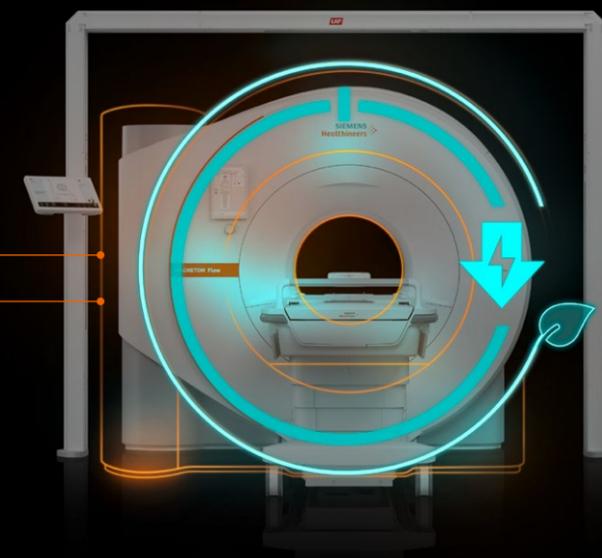
Free your MRI from helium dependency with a sustainable 1.5T scanner that is powered by DryCool technology and sealed for life.



Energy savings

Save up to 45% energy per year compared to previous generations with Smart System Timer and Eco Power Mode Pro features.⁴

Eco Power Mode Pro
Smart System Timers



Save up to **45%** energy

The products/features mentioned herein are not commercially available in all countries. Their future availability cannot be guaranteed.

The information shown herein refers to products of third-party manufacturers and thus is in their regulatory responsibility. Please contact the third-party manufacturer for further information.

¹ The statements by customers of Siemens Healthineers described herein are based on results that were achieved in the customer's unique setting. Because there is no "typical" hospital or laboratory and many variables exist (e.g., hospital size, samples mix, case mix, level of IT and/or automation adoption) there can be no guarantee that other customers will achieve the same results.

² Florian Putz, MD is employed by an institution that receives financial support from Siemens Healthineers for collaborations.

³ MR-based Synthetic CT (AI algorithm) is an optional feature available in syngo.via RT Image Suite starting from software version VB60.

⁴ Energy savings results were achieved by Siemens Healthineers using both standard and optional features. There can be no 'typical' hospital setting (case mix, system type, etc.) and so results by users may vary with no guarantee that the same results can be achieved.

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