

See what's never been seen before

Philips Ingenuity TF PET/MR

PHILIPS

sense and simplicity

A whole new world

You've asked us to design answers to the most challenging issues you're facing right now. This is the result. Philips Ingenuity TF PET/MR is a hybrid modality so original and resourceful that it offers Astonish TF Time-of-Flight technology combined with the exceptional soft tissue imaging of Achieva 3.0T MRI in a whole-body footprint.

How is this possible? Ingenuity.

Clinically tested, ready for your patients and research

State-of-the-art PET and MR imaging performance are now combined into one system with integrated software and hardware applications. Easy to use for technicians and physicians, it offers advanced applications in neurology, oncology, and cardiology.

Advancing molecular medicine

The system provides a full spectrum of applications and analysis to facilitate research in personalized molecular medicine for enhanced diagnostic confidence, treatment planning, and care.

More diagnostic data

MRI allows you to acquire additional diagnostic scans with increased resolution and enhanced tissue differentiation for specific body areas without X-ray exposure.

Also use as a stand-alone clinical system

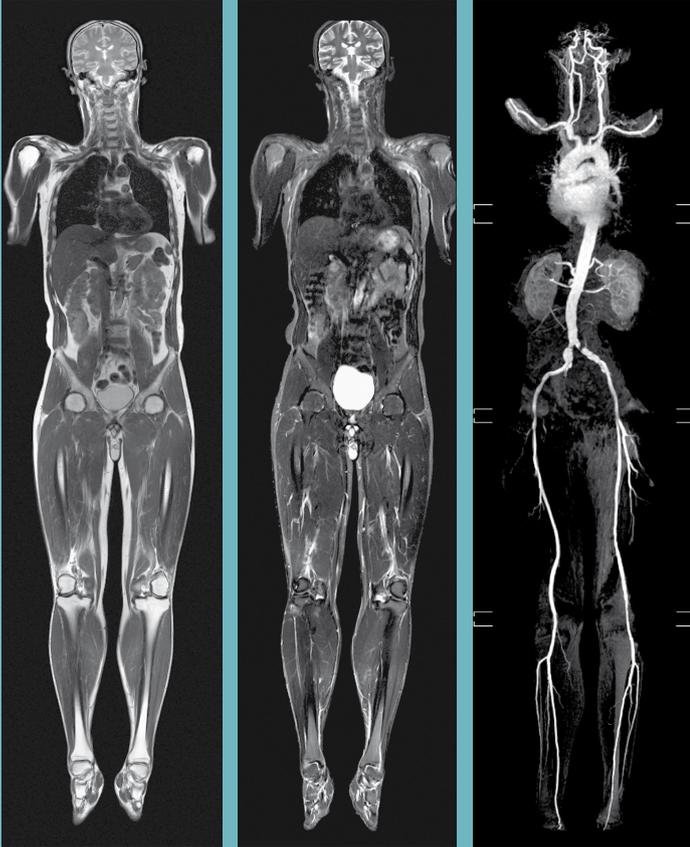
Ingenuity TF PET/MR can also be used as a traditional MR imaging device to support the full portfolio and patient volumes typical in daily clinical practice.

Imagine the possibilities

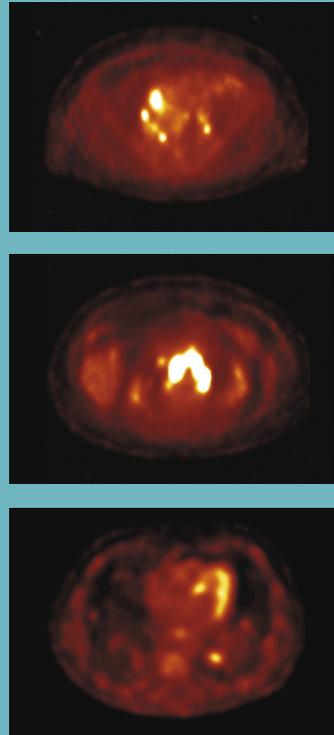
- Allows you to bring personalized medicine to your patients
- Provides a full spectrum of applications and analysis to facilitate research in personalized molecular medicine for enhanced diagnostic confidence, treatment planning, and care.
- Drives leadership for your facility through the potential for increased publication, grant opportunities, and wide range of clinical referrals



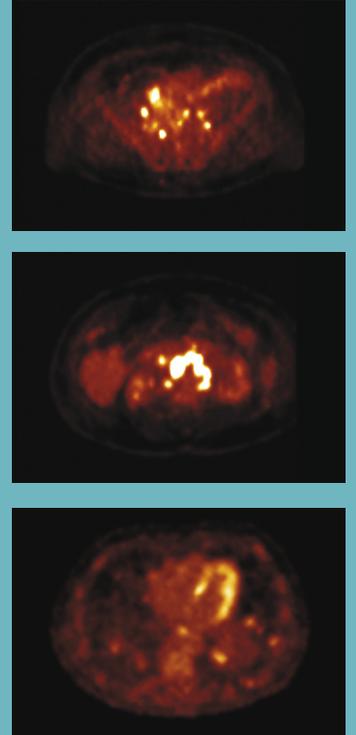
A complete MR system



Without Time-of-Flight imaging

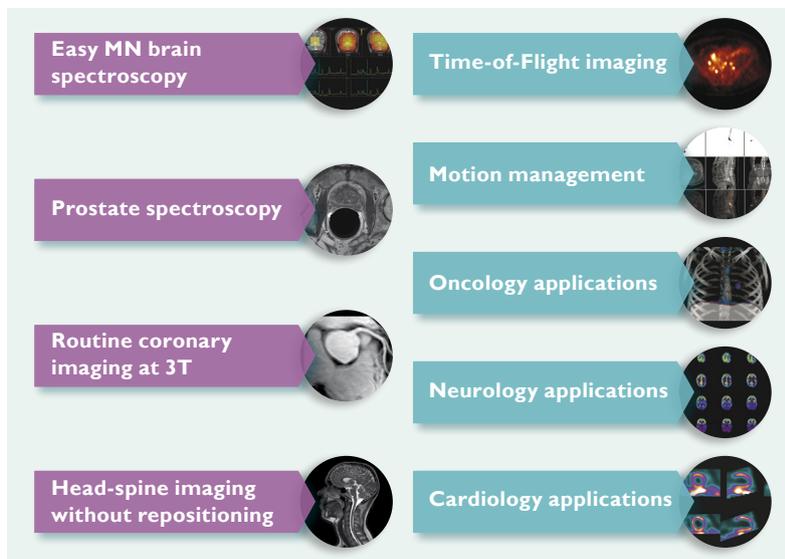


With Time-of-Flight imaging



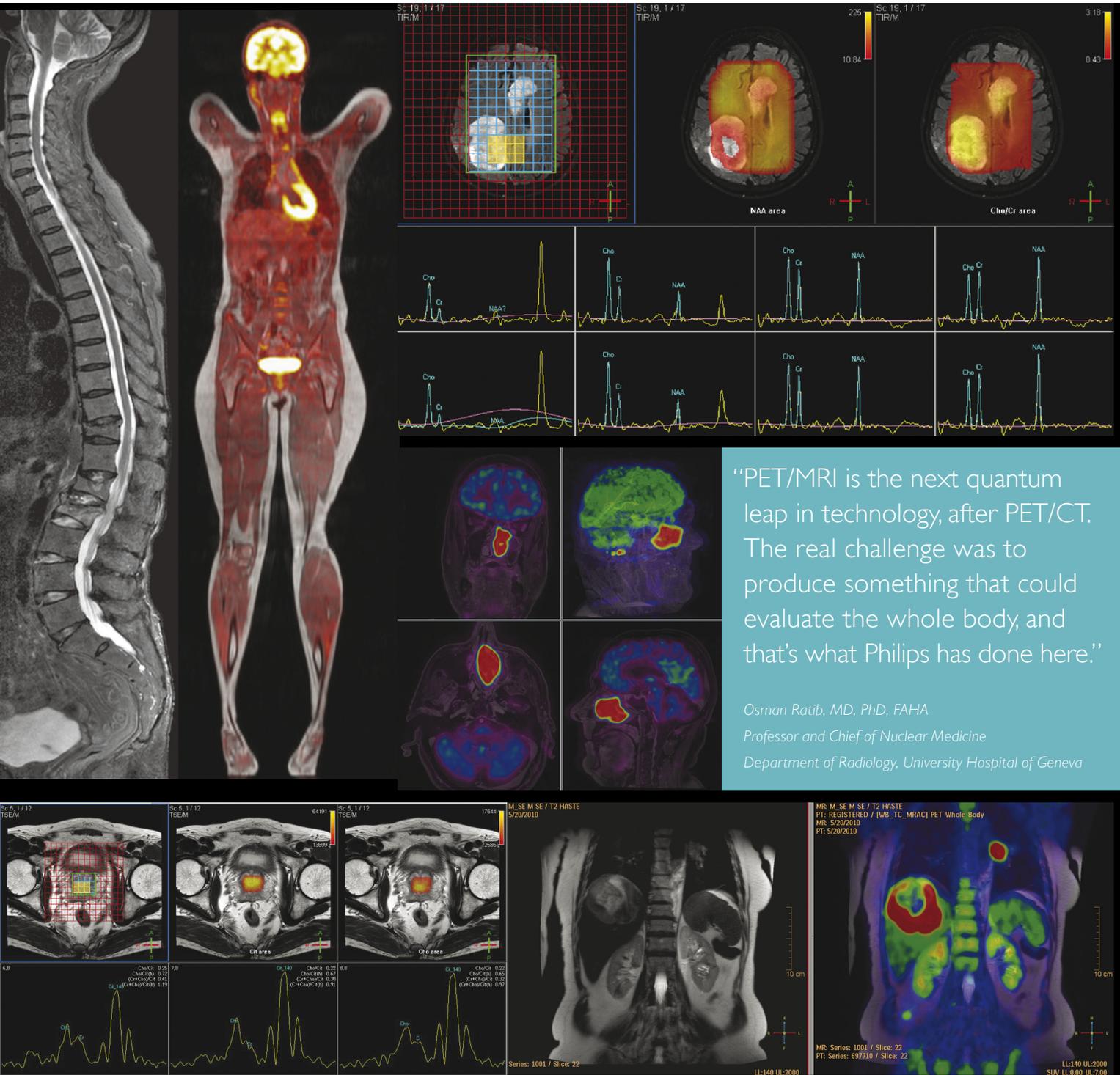
Time-of-Flight technology enhances PET image quality and reduces noise.

One groundbreaking system with a multitude of opportunities



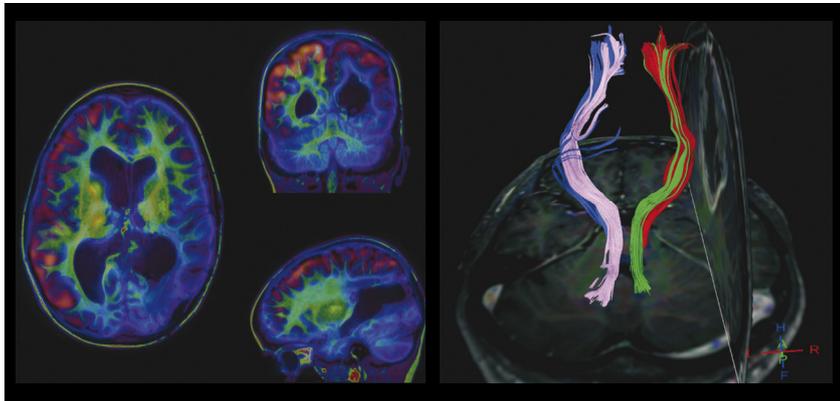
One platform, head to toe

Providing a full spectrum of applications and analysis to facilitate research in personalized molecular medicine for enhanced diagnostic confidence, treatment planning, and care.

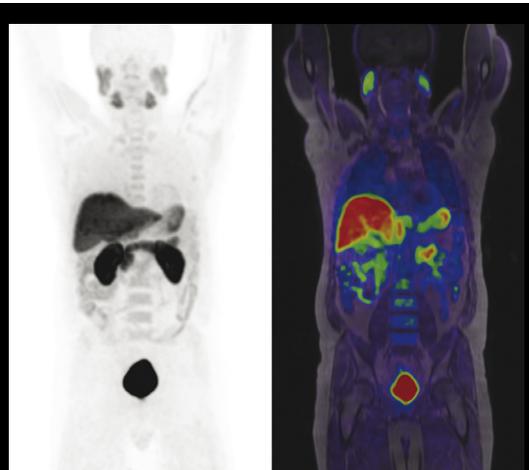




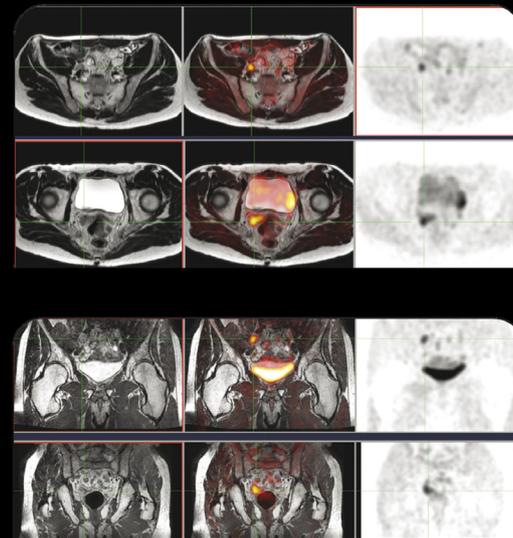
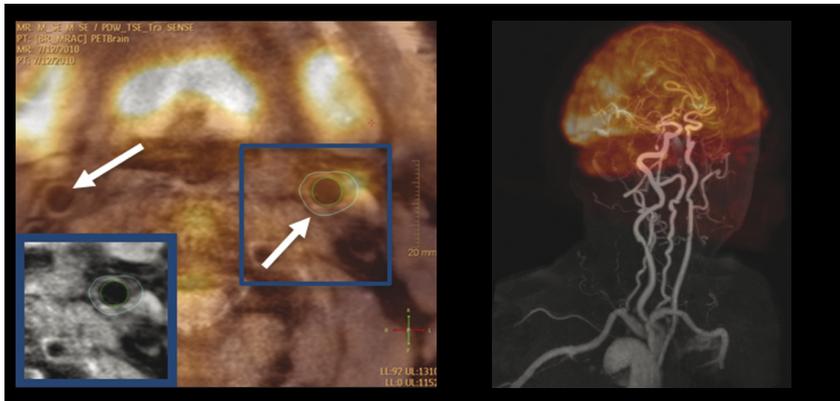
Neurology



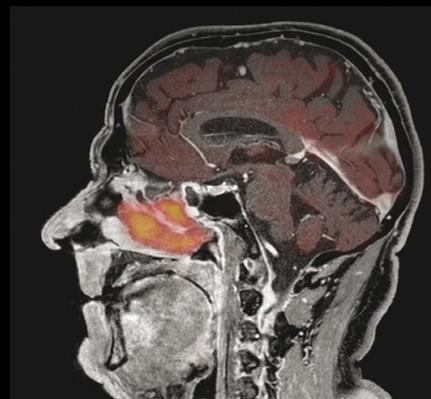
Oncology



Cardiology



Women's health



Truly together from the start

Philips Ingenuity TF PET/MR is a whole-body PET/MR imaging system, offering excellent opportunities for research and enhanced patient care.



State-of-the-art imaging

Utilizing Philips proprietary Time-of-Flight technology, Astonish TF, this system integrates the molecular imaging capabilities of PET, with the superb soft tissue contrast of 3T MR to image disease as it proliferates in soft tissue.

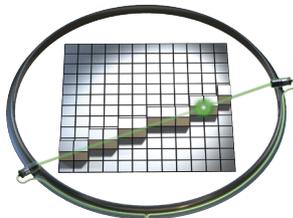
Full fidelity, exceptional speed

Astonish TF Time-of-Flight PET imaging offers exceptional speed and image purity, allowing for fast scans, and excellent image quality for patients of virtually any size.

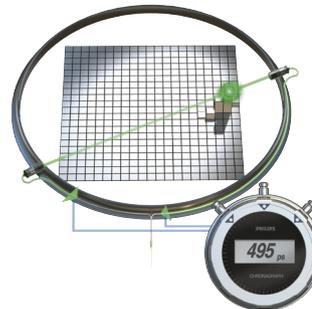
Clinical and technological leadership

Achieva 3.0T MRI technology delivers high-field imaging, combining enhanced clinical reach, simplicity of operation, and the advantages of 3.0T field strength.

Philips Astonish TF: The solution to better PET imaging



In conventional PET imaging, it's possible only to know that a coincident event has taken place on the line of response, but not the actual location.



Astonish TF technology uses the actual time difference between the detection of coincident events to more accurately identify the origin of the annihilation. Enhanced identification leads to a quantifiable improvement in image quality.

Ingenuity TF PET/MR offers simplified and improved workflow through an integrated user interface and protocol management for the entire PET/MR examination.



What is Imaging 2.0?

It's a revolution inspired by the belief that increased collaboration leads to enhanced outcomes at every level. Enabled by advanced technology, Imaging 2.0 offers new levels of performance, integration, and patient comfort.

Imaging 2.0 is bringing advances in CT, PET/CT, MR, and ultrasound, and even introducing a hybrid modality: PET/MR.

Seeing more from the start

Philips has been about illumination from the very beginning, when in 1891 Dutch mechanical engineer Gerard Philips began producing carbon-filament lamps. And we are still relentlessly determined to see more and see better, making the invisible, visible. Novel and holistic ways to reduce dose, to find and share answers more quickly and completely, to deliver even greater economic value.

Together we can help clinicians achieve what was unimaginable just a few short years ago.

**Philips Healthcare is part of
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