Wide open, high field MR

Philips Panorama 1.0T With SmartExam

PHILIPS

Smart Exam reproducibility

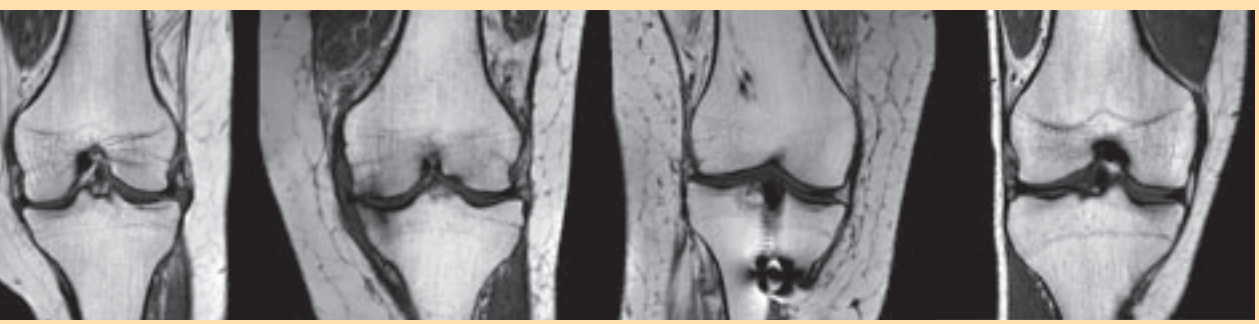
– consistency, and efficiency

Philips panorama 1.0T will change your view about the future of MR. A superbly open system with high field imaging capabilities. It delivers comfort for your patients, high-field performance and features that will give your practice a competitive edge and attract new referrals.

At Philips we believe in making things easy for the users of our products. Sometimes that takes very advanced technology. SmartExam is a case in point. An intelligent approach to MR, SmartExam is a huge step forward in simplifying head, spine and knee exams. It provides fully automated planning, scanning and processing with a single mouse click for about 70% of your daily case load. Imagine, only one click per patient! Everything else is automatic. No worries about patient position or inconsistent slice angulation – the results are reproducible for any patient / operator combination, on any day.

SmartExam benefits the patient, the operator, the physician and the administrator. Why?

- **Physicians get consistent results, every time.**
- **Operators can focus on what matters most, not the technology.**
- **Administrators get operational excellence.**
- **Patients will spend less time in the system.**



SmartExam ensures consistent clinical results every time for the physician. Shown: SmartExam knee examinations of 4 patients.

Enjoy an open view

Panorama 1.0T's 360-degree panoramic viewing angle and spacious 160 cm-wide patient aperture put your patients at ease and ensure a comfortable MR experience for even the most frail, anxious, elderly and claustrophobic patients. Panorama 1.0T opens the way to more referrals due to its combination of patient preference for open systems and high-field image quality, thereby providing the potential for expanding yor business.

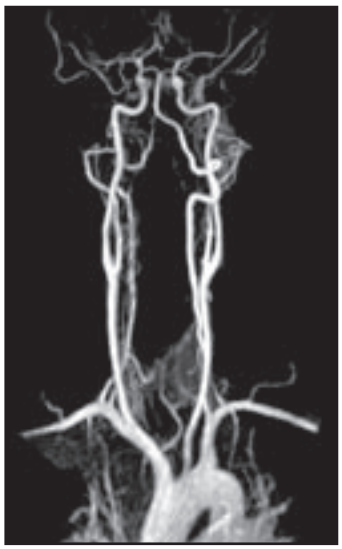
- Your patient can always see outside the magnet – and you can always see the patient.
- Large patients fit easily in the wide aperture on the 80 cm wide tabletop.
- Lateral tabletop movement ensures both isocentric imaging for excellent image quality and a comfortable position for the patient.
- 3x more space than in cylindrical systems gives patients room to be comfortable. And because the patient is not covered in tightly fitting coils, comfort is enhanced and claustrophobia greatly reduced.

Ambience makes the difference
Patient-centered design begins with knowing the patient. With Ambient Experience, you can now personalize light, music and visual displays for every patient. For example, cartoon characters can be projected on the wall for a child or relaxing mountain scenery for adults. It's a revolutionary approach designed with your patient's comfort in mind.

of the future

Pediatric patients benefit from the open spacious design too – the system allows a parent close contact with a child and for the child it allows contact with the outside world.

Going "Beyond the Bore"...



ST coil neck, offering neurovascular applications as well as superb spine imaging.

Panorama 1.0T excels in all routine applications. But there's more; it outperforms in orthopedics, pediatrics and imaging obese patients and also provides a stepping-stone for new clinical exploration such as biopsy procedures and kinematic joint studies.

High Field Performance
ST Coils are specifically designed for vertical field systems. Due to their intrinsic higher efficiency, ST coils provide up to 50% more SNR and larger coverage than traditional phased array coils. ST coils have an open design contributing to a high level of patient-comfort.

Every anatomy at the isocenter
In combination with the 45 cm FOV, the tabletop's lateral movement of 30 cm left/right means that every anatomy can be positioned at the isocenter. The result?

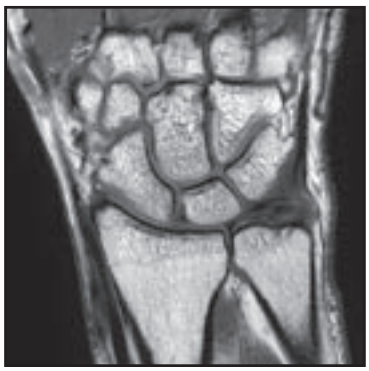
- Better images and excellent fat suppression
- Easy patient positioning
- Excellent patient comfort on the 80 cm wide tabletop.

Open to larger patients
Patients up to 250kg (550 lbs) can be scanned with the system's Integrated Body Coil. It allows scanning larger patients without using any surface coils.

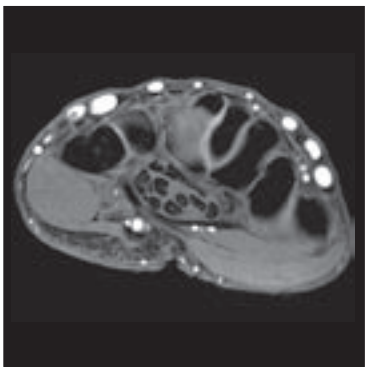
Powered by FreeWave
All Philips MR systems share the powerful FreeWave data acquisition system. This not only enables advanced applications but ensures that developments at one field strength are quickly implemented on the others.

High Throughput
The FastTrak dockable patient table has integrated connectors for coils and physiology monitoring, enabling fast and easy patient setup. With a second FastTrak, the next patient can be prepared outside the scanner room while the curent scan is in progress.

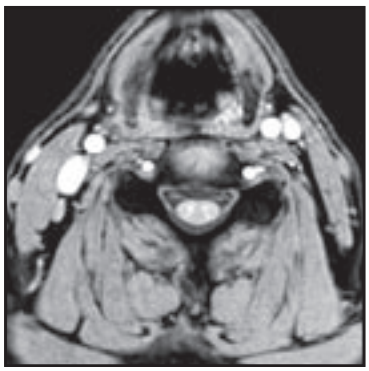
Dockable FastTrak trolley.



Wrist.T1WTSE using CLEAR.



High resolution 3D wrist
using PROSET fat suppression and SENSE.

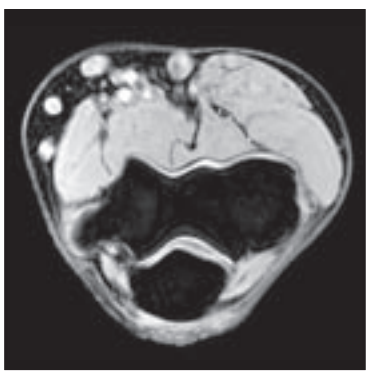


C-spine. m-FFE.

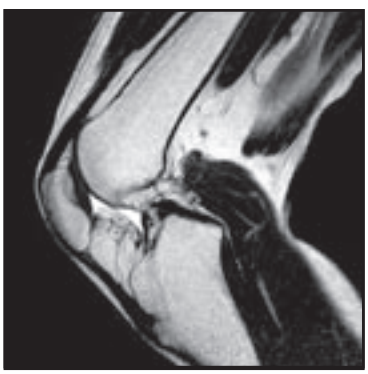
High resolution 3D contrast enhanced
MRA of the carotids using CENTRA.

High resolution imaging of the elbow.
T2WTSE.

T2wTSE image with DRIVE
and large 450 mm FOV coverage.

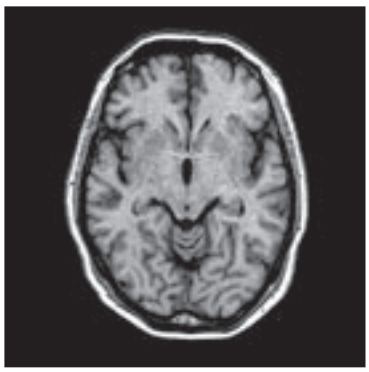


High resolution imaging of the elbow
using PROSET.

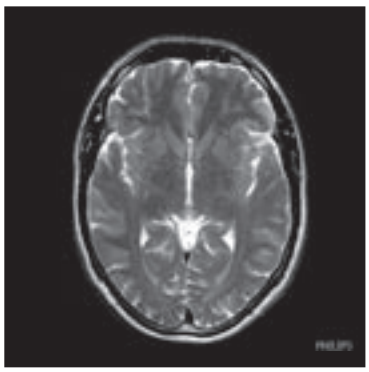


High resolution proton density weighted
image of the knee with DRIVE.

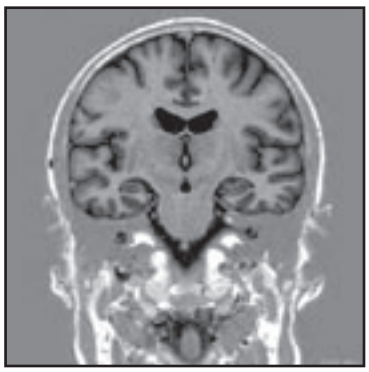
High Field performance



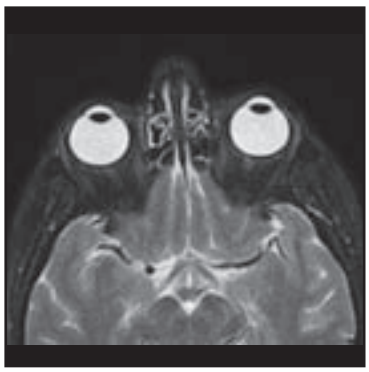
T1-weighted SE.



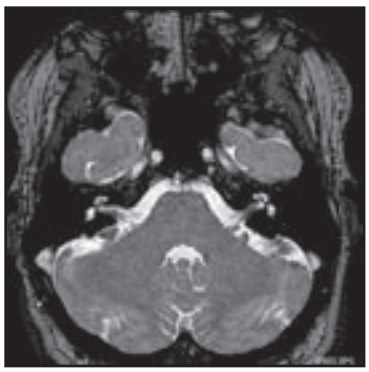
T2-weighted TSE



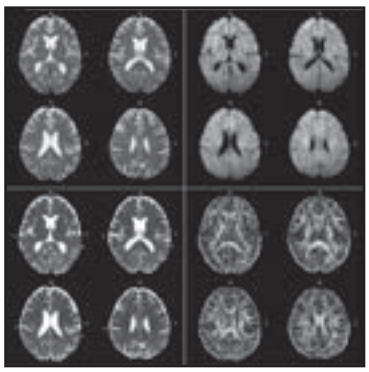
Coronal FLAIR.



T2-weighted image of the orbits with SPAIR fat suppression.



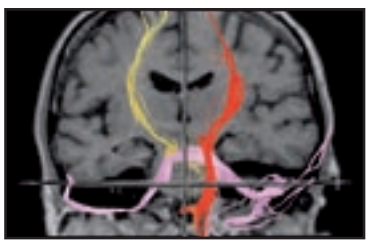
Balanced TFE image of the inner ear.



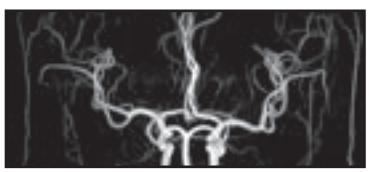
Diffusion Tensor Imaging with SENSE showing clockwise: B0 images, isotropic images, FA-maps and ADC maps.

PD TSE coronal image of ankle using DRIVE for excellent depiction of cartilage and fluid.

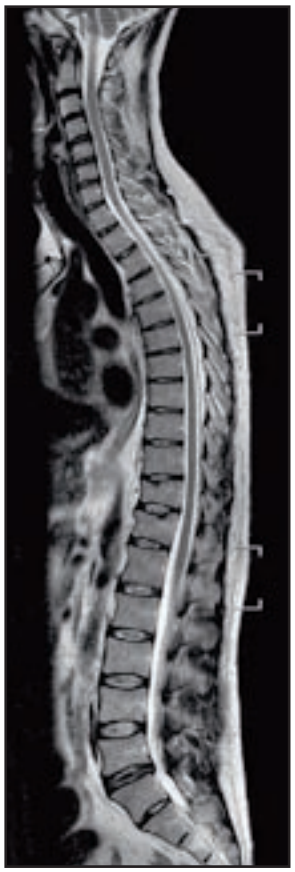
High resolution contrast enhanced renal MRA.



Fiber tracking.



3D inflow angio using SENSE.



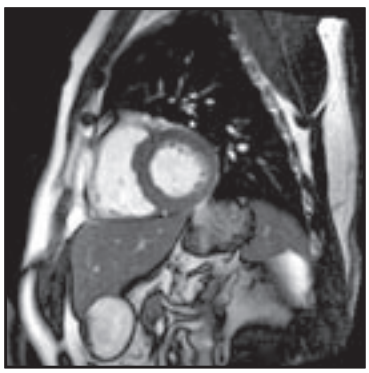
T2-weighted total spine
scanned in 3 stations.

L-spine, M2D myelogram.

T1w TSE for excellent soft tissue contrast.

T2-weighted TSE with DRIVE.

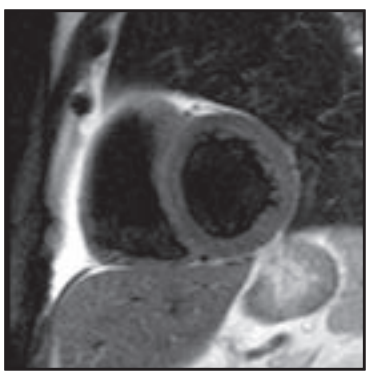
C-spine, T1-weighted TSE.



Short axis cardiac imaging
with excellent contrast.

Free breathing
single-shot coronal abdomen.

Single injection contrast enhanced
peripheral MRA in 3 stations.



Cardiac imaging, PDW black blood image
using real time navigators.

Proton density weighted image
of the shoulder.

A sound investment in higher

profitability

The Panorama 1.0T is the system your patients and referring physicians have been waiting for – an appealing, wide-open design that offers high image quality, large field of view and a broad range of applications. It's the only system of its kind, providing the potential to increase patient numbers, catchment area and profitability.

A platform for the future

Panorama 1.0T benefits from more than 20 years of Philips' leadership in MR, combining a unique magnet design with the advanced and proven FreeWave data acquisition system of our cylindrical systems. Philips proven track record of providing cost-effective upgrades means that you can stay at the cutting edge of MR imaging in the years to come.

The lightweight, actively shielded design allows easy, cost-effective siting on any floor in any building without the need for additional floor reinforcement.

NetForum – Philips online MR community – provides a host of web-enabled capabilities that enhance your day-to-day efficiency and keep you in touch with new developments in MR. It enables the downloading of proven ExamCards right into your scanner and plugs you into support from user groups world-wide.

Quite simply, Panorama 1.0T has been developed both to make and save you money from Day 1.

What makes the Panorama 1.0T the best system to invest in?

- High field performance powered by ST coils
- Wide open patient comfort
- SmartExam for easy operation and consistent results
- Applications not possible on cylindrical systems that boost referrals
- Panorama 1.0T shares the FreeWave platform with Philips other cylindrical systems.