



PHILIPS

IntelliSpace Portal 9.0

Neurology solutions

All your advanced analysis needs
One comprehensive solution

Advancing clinical care for the body's most complex organ

As our aging population continues to rise, neurodegenerative disease is more common than ever. Already, more than half of today's procedural MR volume relates to neurological or spinal cord conditions. Many patients require constant monitoring, and neuro-radiologists with high caseloads need to compare brain scans performed at different times. Changes can be extremely subtle and hard to spot with the naked eye, and yet, their detection can greatly affect prognosis for patients. With this in mind, do you have the right tools to manage these complex patients rapidly and effectively?

Philips IntelliSpace Portal 9.0

offers tools for even the most complex of neurological cases with the following...



Rapid

When it comes to stroke, time is brain. IntelliSpace Portal 9.0 offers a rich toolset that helps you assess recoverable tissue quickly and easily. New enhancements in CT Brain perfusion include pre-defined template ROI's for rapid regional comparisons, as well as automatic fetching of priors for comparative studies and automatic creation of perfusion maps even before studies are opened to help you diagnose fast. Layouts are optimized for neuro reading and automatic generation of quantified atrophy against age-matched norms.



Confident

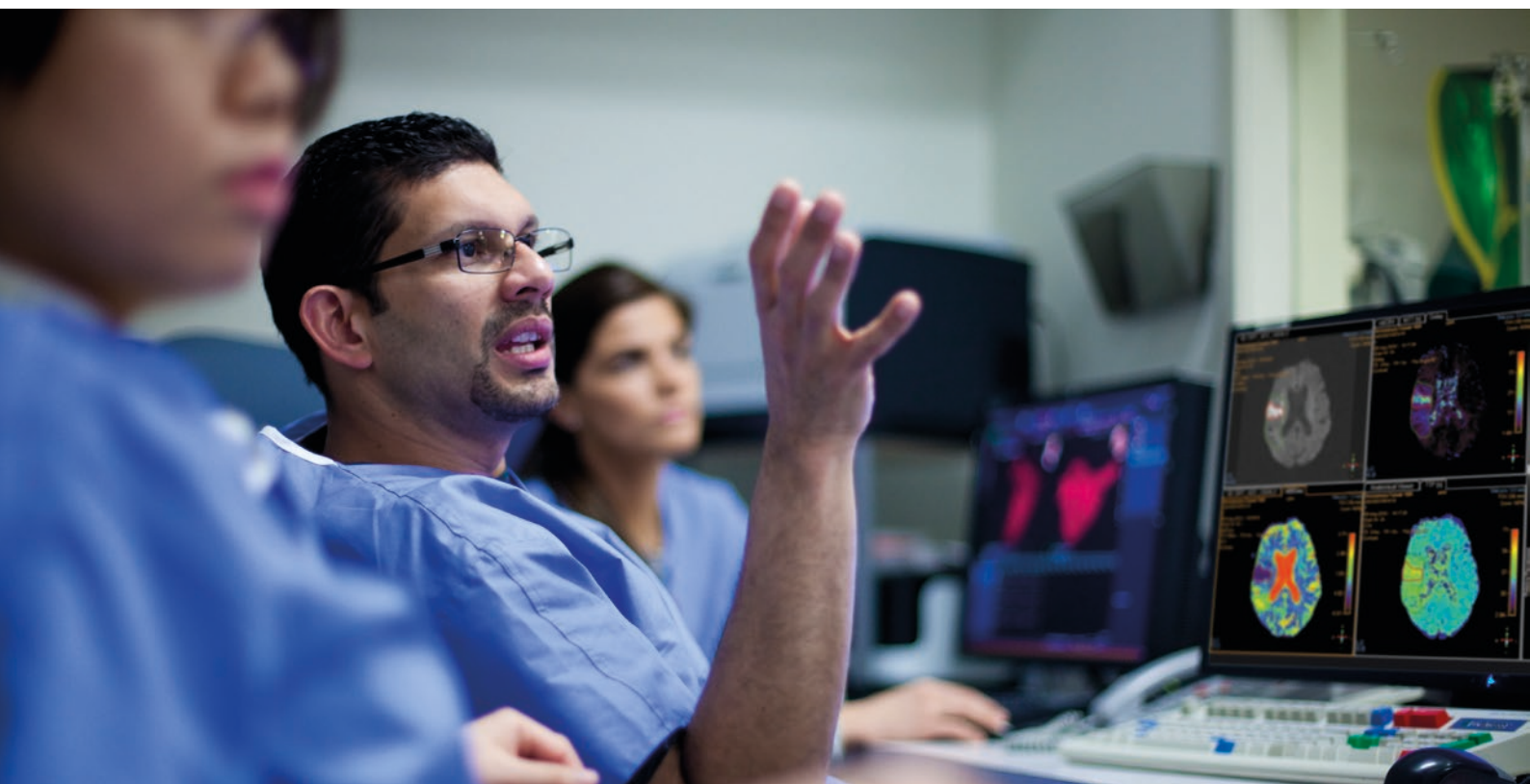
IntelliSpace Portal 9.0 is designed to help boost confidence in your diagnosis, helping you give clearer answers. Subtle changes in the brain can be hard to detect and characterize, but IntelliSpace Portal 9.0 facilitates the detection and quantification of such changes in the brain using simple communication tools. The integration of MR NeuroQuant complements this capability, allowing for the objective and quantitative assessment of anatomical changes in the brain, relative to matched norms. MR perfusion also now supports leakage correction, letting you focus directly on the clinical event.



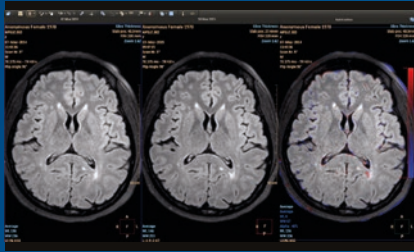
and Definitive

Even confident diagnoses must be backed up with quantitative metrics. The IntelliSpace Portal's neurology suite provides tools like NeuroQuant, which offers accurate volumetric/shape analysis of relevant brain areas, compared against standardized population base. Enhancements to CT Brain Perfusion allow you to select specific perfusion parameters according to your needs.

...All on a **single** integrated platform.

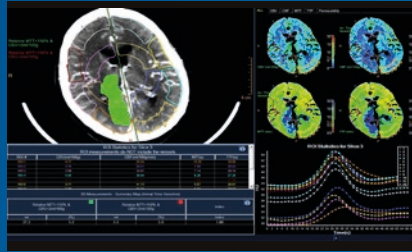


Application highlights



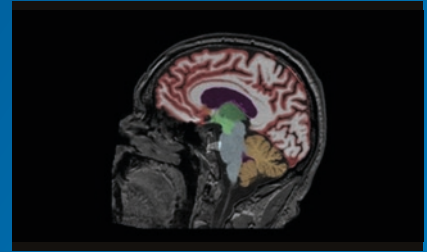
MR Longitudinal Brain Imaging¹

Automatic layouts and registration simplifies comparisons between scans. Novel subtraction functionality assists in the detection and visualization of subtle changes. Segmentation tools and facilitate quantification workflow, for follow-up brain scan interpretation.



CT Brain Perfusion

Helps identify areas of salvageable tissue in acute stroke patients and assist in treatment planning. Includes configurable map thresholds, permeability maps and methods to visualize regions with higher collateral supply. The program automatically corrects misregistration or motion artifacts, and displays summary maps that help distinguish still-viable and non-viable infarcted tissue.



MR NeuroQuant²

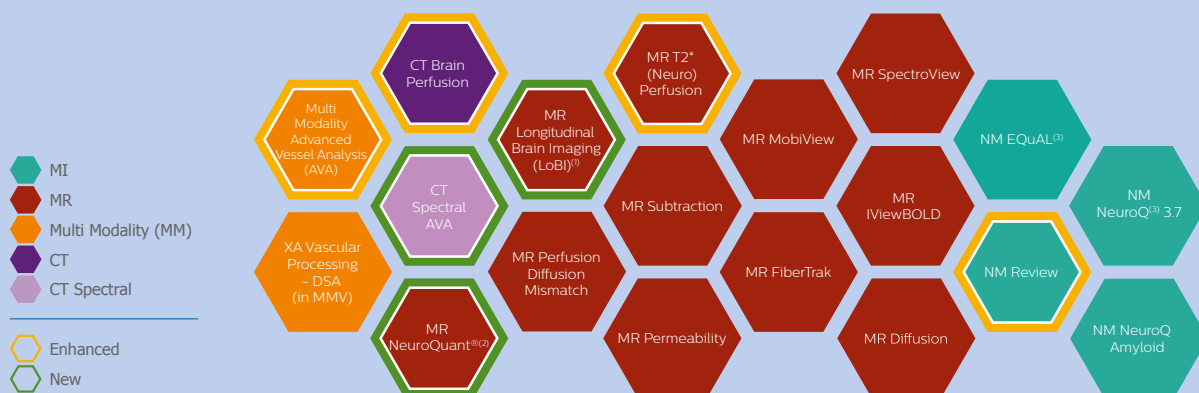
Provides automatic reports of brain volumetry, with objective measurements of anatomical brain regions and comparisons to age - and gender-matched healthy norms (can be automatically configured as pre-processing).

Bringing advanced analysis right to the point of critical intervention

For advanced neurological analysis requiring intervention, IntelliSpace Portal 9.0 allows you to create interventional bookmarks. Integration between IntelliSpace Portal and the Allura Interventional Suite allows you to automatically launch the relevant advanced analysis from the Portal, providing rich diagnostic information as the starting point of your procedure.



The full suite of neurology applications on the IntelliSpace Portal 9.0



⁽¹⁾ Pending 510(k), not available for sale in the US

⁽²⁾ NeuroQuant is a trademark of CorTechs Labs, Inc.

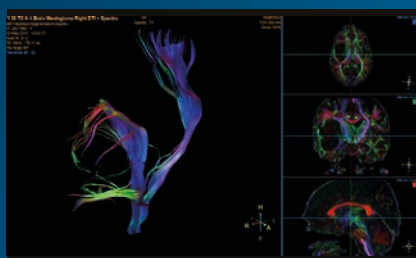
⁽³⁾ NeuroQ and EQUAL are trademarks of Syntermed.

“We need Advanced Visualization tools for proper follow up of our Neuro patients. The IntelliSpace Portal tools help us save about 10 minutes* per longitudinal case**.”

Dr. Elke Hattingen University of Bonn Medical Center.



Application highlight



MR Fiber Trak

Visualize white matter connectivity in the brain using task guidance for generating common or user-defined tracts. Detailed examples are used to guide you for the various tracts. Visualization includes overlays, such as with functional maps. Use bookmarks to save any (intermediate) view of the package on a dataset.

The neurology applications is just one subset of the advanced visualization and analysis solutions available within IntelliSpace Portal 9.0. These tools combine clinical acuity and workflow efficiency across multiple clinical domains in a single, comprehensive solution. Ask your sales representative for more details on what IntelliSpace Portal can do for you.

* Data on file

** Results are specific to the institution where they were obtained and may not reflect the results achievable at other institutions

