

**PHILIPS**

Smart Quant  
Neuro

MR Clinical application



## Quantitative MR imaging with AI technology

Smart Quant Neuro, a combination of AI reconstruction technology and quantitative MR, is designed to allow you to perform fast and high-quality MR imaging of Neuro with a single quantification scan to increase your diagnostic confidence.

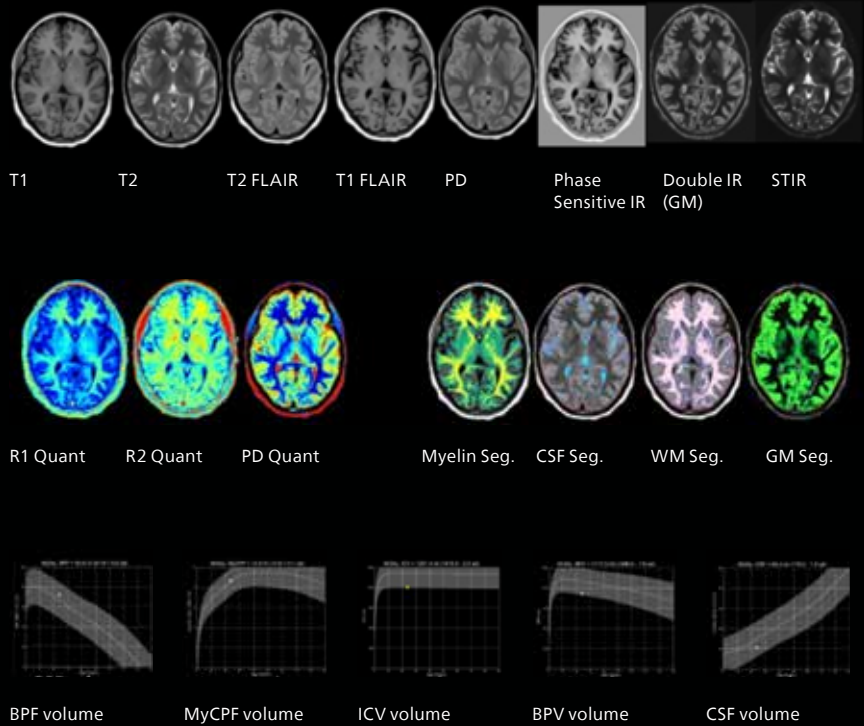
The acquisition time can be decreased thanks to compatibility with Philips SmartSpeed acceleration technology. The resulting data can be used as input for advanced third-party processing software<sup>1</sup> to synthesize MR images with different contrasts, brain parenchyma fraction maps and/or brain segmentation maps.

<sup>1</sup> SyMRI NEURO, Synthetic MR, AB, Sweden

## Smart Quant Neuro

FieldStrength	1.5T, 3.0T
Main applications	Brain
Sequence	Single quantification scan with an advanced MR acquisition scheme
Quantitative images	Resulting data is used as input for advanced 3 <sup>rd</sup> party processing software. Generating synthesized MR images with different contrasts (T1, T2, FLAIR). Includes automatic calculation of brain parenchyma fraction maps (T1, T2, PD) and automatic calculation of brain segmentation maps (grey matter, white matter, CSF)
Speed	SmartSpeed AI Can speed up scan time nearly 3 times with no loss in image quality

- AI powered **fast** and **standardized** protocol
- Clinically relevant **contrast images** and **quantitative data** in a single scan
- Robust **myelin and brain volumetrics** for efficient assessment and triage
- **Total scan time: 2:34 min**



© 2023 Koninklijke Philips N.V. All rights reserved.  
Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

4522 991 81321 \* FEB 2023



**How to reach us**  
Please visit [www.philips.com](http://www.philips.com)  
[healthcare@philips.com](mailto:healthcare@philips.com)