



PHILIPS

Spectroscopy XD

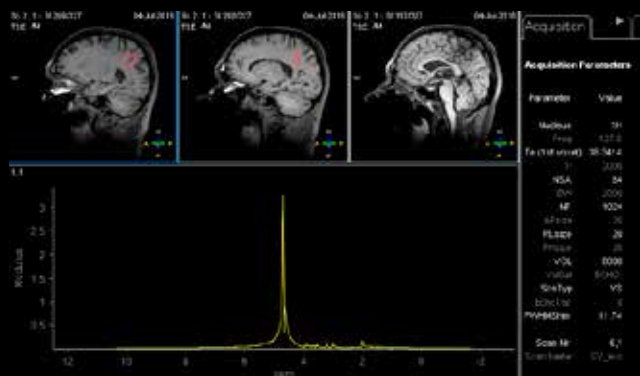
MR Clinical application

More precise and more robust MR brain spectroscopy

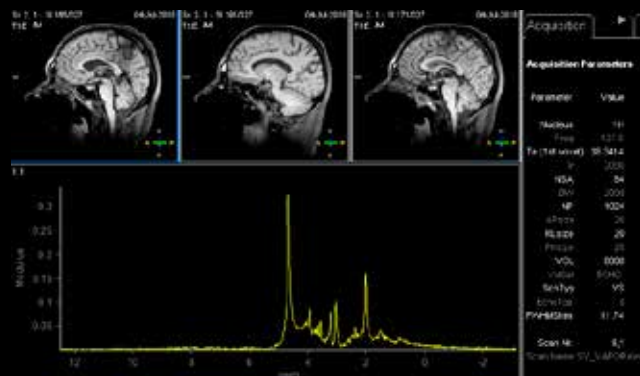
Spectroscopy XD is an add-on to our comprehensive Spectroscopy option. It includes VAPOR, which delivers faster MR spectroscopy examinations and more robust water suppression, up to a factor 4, than the conventional Philips water suppression technique (excitation) that uses time-consuming AWSO prescans. Furthermore, sLASER provides increased localization accuracy due to a reduction of the chemical shift displacement by a factor of 4 when compared to Philips PRESS.

Spectroscopy XD

Field strength	1.5T and 3.0T Ingenia MR systems
Prerequisite	Spectroscopy SW option
Main applications	Brain
Sequence	Applicable to single voxel MR Spectroscopy and MR Spectroscopic imaging
Image contrast	N/A
Speed	Avoids time-consuming AWSO pre scan
Image quality	<ul style="list-style-type: none"> - More robust water suppression, up to a factor 4, than the conventional Philips water suppression technique (excitation-based) - Provides increased localization accuracy by a factor of 4



No VAPOR, amplitude ~3.5
 Voxel size: 20 x 20 x 20 mm
 Ingenia 3.0T



VAPOR, amplitude ~0.35
 Voxel size: 20 x 20 x 20 mm
 Ingenia 3.0T

