



PHILIPS

MEGA

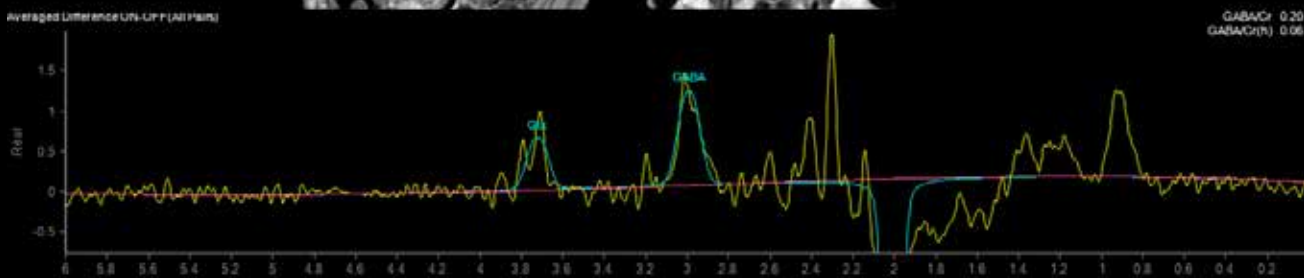
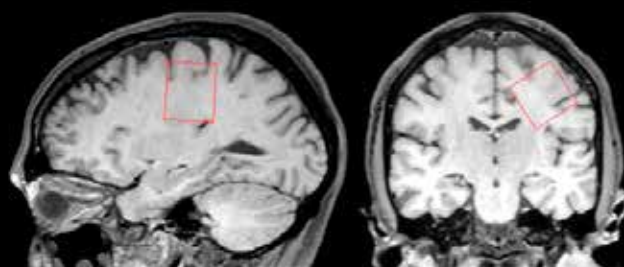
MR Clinical application

Detection of **additional metabolites**

MEGA improves spectroscopy by revealing spectral peaks of interest which would otherwise remain hidden. It also allows detection and relative quantification of J-coupled metabolites such as gamma-aminobutyric acid (GABA) by automatically removing the spectral overlap from other metabolites. (In conventional spectroscopy, removing spectral overlap is only possible with spectral editing.) Frequency-selective RF pulses are included to manipulate the evolution of J-coupled MR signals. In addition, subtraction of on- and off-resonance spectra is used for relative quantification of J-coupled metabolites.

MEGA

Field strength	3.0T Ingenia MR systems
Prerequisite	Spectroscopy (XD) SW option
Main applications	Brain Spectroscopy
Sequence	Single voxel MR Spectroscopy
Image quality	Enables detection and relative quantification of J-coupled metabolites



↑ GABA

Ingenia 3.0T

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