



**PHILIPS**

mDIXON Quant

MR software

# High accuracy, non-invasive **fat fraction quantification**

Philips mDIXON Quant for 1.5T and 3.0T systems

## Key benefits

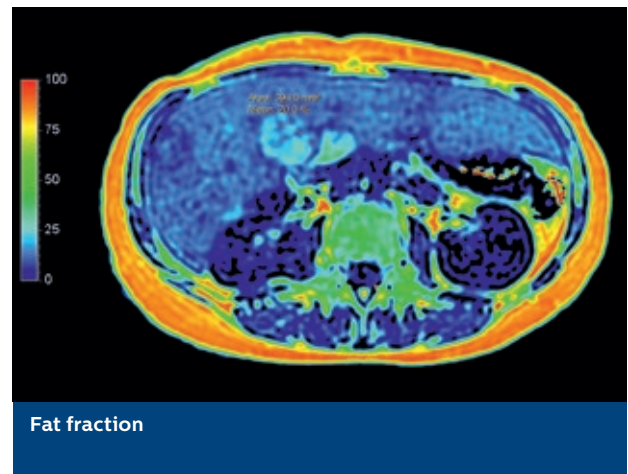
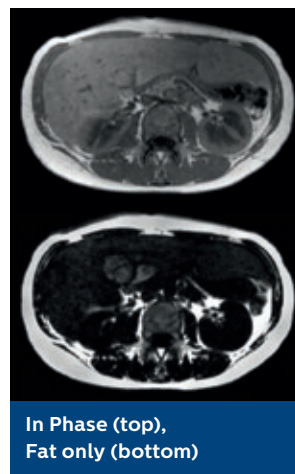
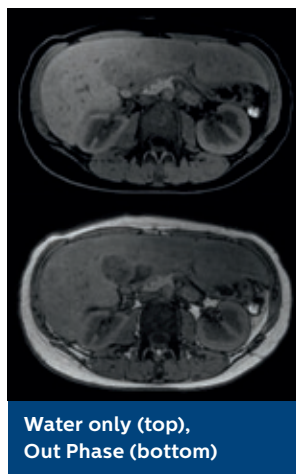
- High accuracy ( $\pm 3.5\%$ ) and reproducibility ( $\pm 1.4\%$ ), even for short  $T2^*$
- 6-echo acquisition
- 7-peak fat modeling
- $T2^*$  correction
- Quantitative fat fraction maps
- $T2^*$  relaxation maps

With mDIXON Quant, Philips brings fast, high quality MR quantification of fat in the liver into mainstream clinical practice at 3.0T and 1.5T. Using a robust 6-echo acquisition, 7-peak fat modeling, and  $T2^*$  correction, 3D fat fraction maps of the whole liver can be obtained with high accuracy ( $\pm 3.5\%$ ) and reproducibility ( $\pm 1.4\%$ ) in one single breathhold, even for short  $T2^*$ .

To aid your diagnostic assessment, fat fraction maps may be displayed in colors with a quantification bar and  $T2^*$  (or  $R2^*$ ) relaxation maps are also provided. mDIXON Quant allows you to expand your MRI capabilities with a fast and simple procedure for fat fraction quantification with high confidence.

# mDIXON Quant

	Technical characteristics	Additional information
Main applications	Liver	
Acquisition	Fast, single breathhold, 3D gradient echo	Full liver coverage
Number of echoes	6	7-peak reconstruction with T2* correction
Image types	7	Image choices: - Water only - Fat only - In Phase - Out Phase - Fat fraction - T2* or R2*
Quantitative maps	Fat fraction (0-100%) T2* maps (ms) R2* maps (Hz)	Accuracy ( $\pm 3.5\%$ ) / reproducibility ( $\pm 1.4\%$ )
Postprocessing	Direct output of fat fraction maps and T2* maps (no postprocessing)	Fat fraction maps may be displayed in colors with quantification bar
Field strength	1.5T and 3.0T	
Parallel imaging	Compatible with dS SENSE	Leverages the efficient dS SENSE parallel imaging technology to provide optimal speed and SNR



## Contact Philips for a trial key<sup>(1)</sup>

<sup>(1)</sup> Only for systems with release 5 onwards

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[healthcare@philips.com](mailto:healthcare@philips.com)