PHILIPS

Smart Quant Body

MR Clinical application

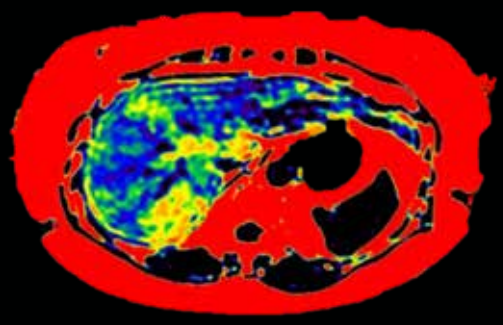
Quantitative MR imaging **with AI technology**

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

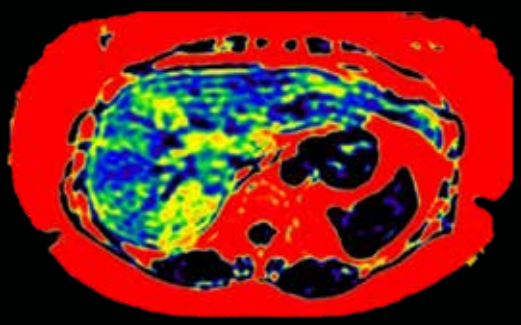
Smart Quant Body brings fast, high quality MR quantification of fat in the liver into mainstream clinical practice. Using a robust 6-echo acquisition, 7-peak fat modeling, and T2* correction, 3D fat fraction maps of the whole liver can be obtained with high accuracy (± 3.5%) and reproducibility (± 1.4%) 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.[1]

Smart Quant Body

FieldStrength	1.5T, 3.0T
Main applications	Body
Sequence	Single breathhold quantification scan
Quantitative images	3D fat fraction maps of the whole liver with high accuracy (± 3.5%) and reproducibility (± 1.4%) T2* (or R2*) relaxation maps[1]
Speed	SmartSpeed AI Can speed up scan time nearly 3 times with no loss in image quality



mDIXON Quant - SmartSpeed
Resolution: 3.0 x .3.0 x 6.0mm
Scan time: 0:06 min



mDIXON Quant - SmartSpeed **(high resolution)**
Resolution: 2.5 x .2.5 x 4.0mm
Scan time: 0:12 min

1. Accuracy and reproducibility were assessed using a reference liver protocol, on fat phantoms [range: 0-100%]. Reproducibility assessed over systems

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