PHILIPS

SyntAc

MR Clinical application

Exploring neuro-radiology with **Synthetic MR imaging**

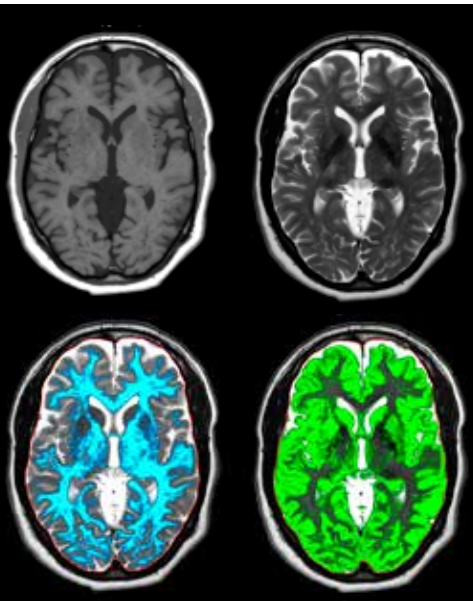
SyntAc allows you to perform MR imaging with a single quantification scan of which the resulting data can be used as input for advanced 3rd party processing software[1] to synthesize MR images with different contrasts, brain parenchyma fraction maps and/or brain segmentation maps.

1 SyMRI NEURO, Synthetic MR, AB, Sweden

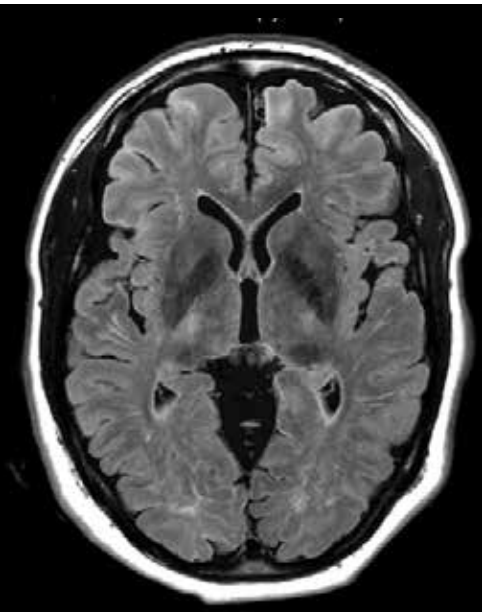
SyntAc

Field strength	1.5T, 3.0T.
Main applications	Brain.
Sequence	Single quantification scan with an advanced MR acquisition scheme.
Image types	T1, T2 and FLAIR MR images. Automatic calculation of brain parenchyma fraction maps. Automatic segmentation of brain tissue (grey matter, white matter, CSF). NOTE: All images are synthesized by 3rd party processing software[1], based on Philips MR data.
Speed	Leverages the efficient dS SENSE parallel imaging technology to provide superior speed performance.
Image quality	Optimal signal-to-noise due to dStream's digitization at the patient.

1 SyMRI NEURO, Synthetic MR, AB, Sweden



Sythentic T1w, T2w, white matter and grey matter segmentation
0.9 x 1.0 x 5.0 mm, 5:33 min
Ingenia 3.0T



Sythentic FLAIR
0.9 x 1.0 x 5.0 mm, 5:33 min
Ingenia 3.0T

Image courtesy: SyMRI NEURO, Synthetic MR, AB, Sweden

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