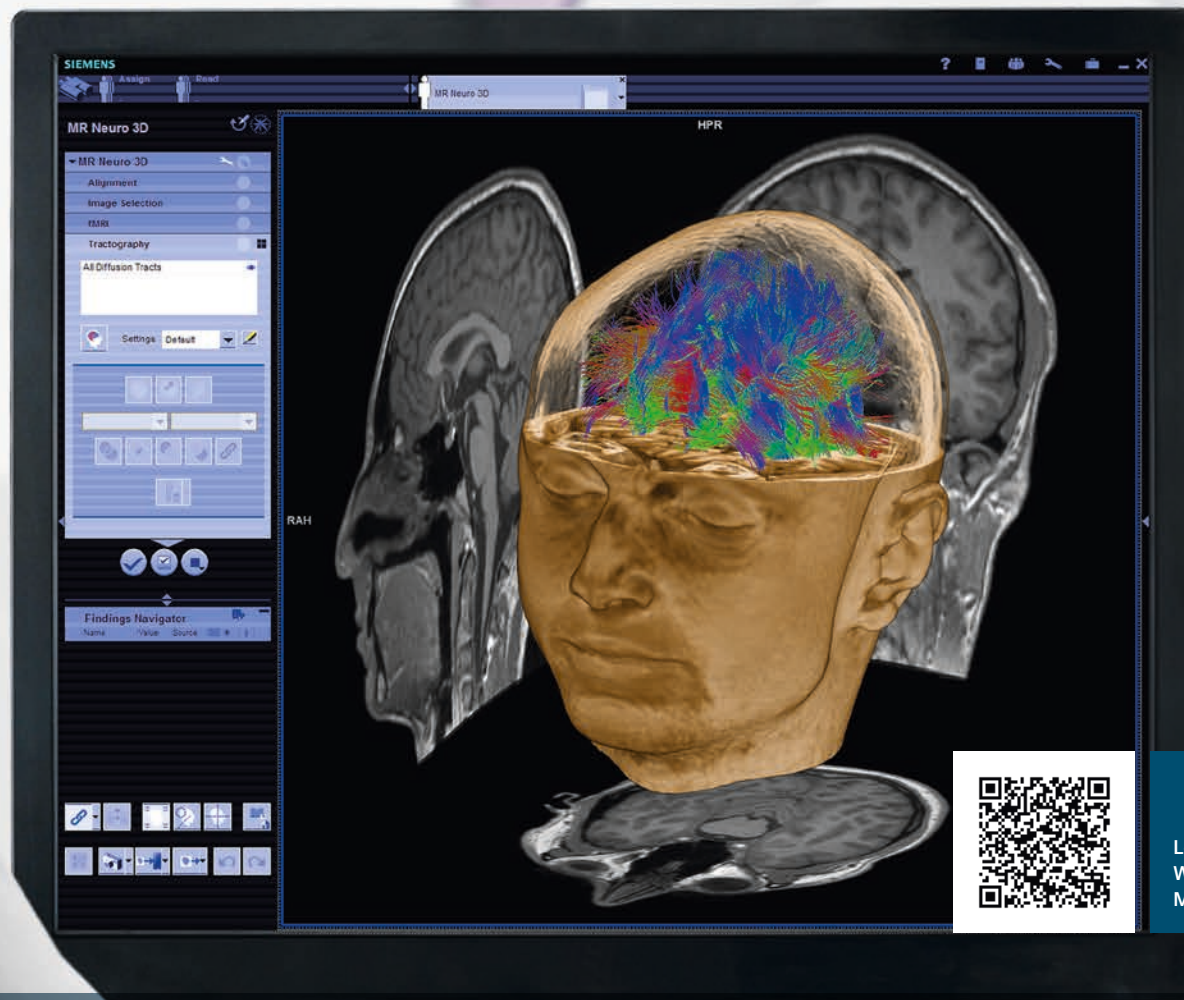


SIEMENS



Leading.
With
MAGNETOM.

siemens.com/syngovia-mr

syngo.MR Tractography

Get the full picture. With *syngo.via* for MRI.

Answers for life.

Features

- Explore tracts on the fly by simply placing your focus (cursor/voxel) over your region of interest
- Easily define your DTI seed regions with our sphere or plane drawing tools
- Automatically calculate diffusion tracts for the entire dataset
- Generate diffusion tracts for other body regions with relevant data sets
- Flexibly adjust parameters to generate tracts to desired resolution
- Export fused DTI, fMRI datasets to PACS to easily communicate results within your hospital network

Benefits

- The DTI seed can be generated from BOLD activation (Vol), to accurately assess structural connectivity in relation to functional activation
- Flexibly display/hide BOLD and Tractography data to easily communicate the most relevant data to your neurosurgeon
- Compare tractography data obtained from different scan sessions to effectively evaluate treatment outcomes
- All relevant analytical parameters available at your fingertips in the findings navigator and report

Highlights

Turning image quality into diagnostic value

syngo RESOLVE

A revolutionary approach for obtaining high quality, high-resolution, distortion-minimized DWI/DTI images. *syngo* RESOLVE is a readout-segmented, multi-shot EPI sequence with 2D navigator for motion correction. Its benefits include:

- Reduced susceptibility and blurring artifacts
- Insensitivity to motion-induced phase errors
- Reduced SAR in comparison to TSE-based methods
- Imaging acquisition in all orientations
- iPAT compatible for faster scans and further reduced distortions

syngo.MR Tractography

Assess the degradation of tracts in disease regarding tract integrity.

As part of the *syngo*.MR Neuro 3D Engine use *syngo*.MR Tractography* to provide information to referrers for neurosurgical planning.

Reap the full value of *syngo* RESOLVE.



Solutions

Start your engine!

syngo.MR Neurology applications take you to a whole new level of speed and flexibility in acute neurology. Images are automatically mapped to user-defined reading steps, so you no longer have to search for and organize images. This also means that images and diagnostic steps are less likely to be forgotten as long as you follow the structured workflow.

Redefine your neurology spectrum with the syngo.MR Neuro 3D Engine

1 syngo.MR Tractography

Analyze and integrate your BOLD fMRI and fiber tract information to assess the direction and degradation of tracts and tract integrity.

2 syngo.MR Neuro fMRI

Provides a full set of tools for evaluating clinical fMRIs, and includes advanced features for research-oriented applications.

More clinical imaging solutions on
www.siemens.com/syngovia-mr
www.siemens.com/redefine
www.siemens.com/RESOLVE

More clinical information on
www.siemens.com/magnetom-world
Case reports, protocols, application tips and talks from international experts.



1+2



1



2



Communicate the
most relevant data to
your neurosurgeon

Compare different
scan sessions to
effectively evaluate
outcomes

Accurately
assess structural
connectivity
in relation to
functional activation

Not for distribution in USA.

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Order No. A91MR-975-10C-7600 | Printed in Germany | CC MR 1525 08131. | © 08.2013, Siemens AG

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