NODDI Matlab Toolbox

RRID:SCR_006826
Type: Tool

Proper Citation

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Resource Information


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Description: This MATLAB toolbox implements a data fitting routine for Neurite Orientation Dispersion and Density Imaging (NODDI). NODDI is a new diffusion MRI technique for imaging brain tissue microstructure. Compared to DTI, it has the advantage of providing measures of tissue microstructure that are much more direct and hence more specific. It achieves this by adopting the model-based strategy which relates the signals from diffusion MRI to geometric models of tissue microstructure. In contrast to typical model-based techniques, NODDI is much more clinically feasible and can be acquired on standard MR scanners with an imaging time comparable to DTI.

Abbreviations: NODDI Matlab Toolbox

Resource Type: software toolkit, software resource

Keywords: analyze, matlab, magnetic resonance, nifti, os independent, neurite orientation dispersion and density imaging, diffusion mri

Availability: Artistic License

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Ratings and Alerts
No alerts have been found for NODDI Matlab Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


