

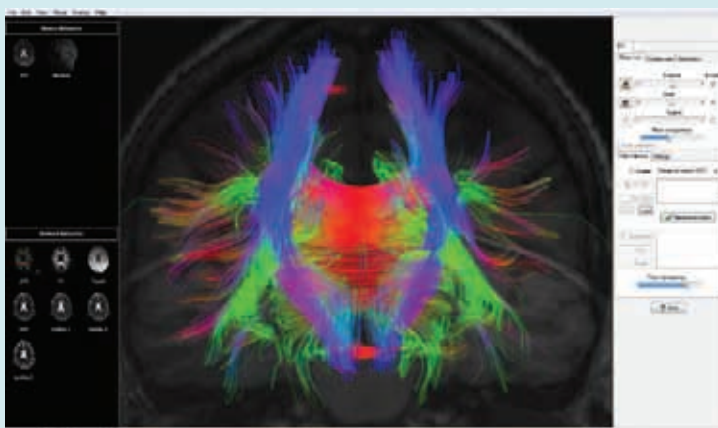
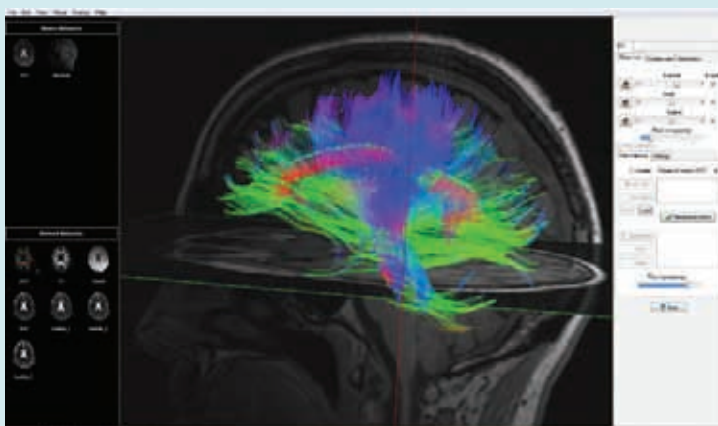
nordicICE Diffusion/DTI Module



The nordicICE Diffusion/DTI Module allows you to easily and effectively generate diffusion maps from MR diffusion imaging studies from all major MR vendors. It also includes the feature of reconstructing axonal tracts (Fiber Tracking) in the central nervous system.

The comprehensive 3D viewing interface offers unique features for exploring white matter connectivity using various Region of Interest tools.

The nordicICE Diffusion/DTI Module is CE marked and FDA approved.



Key features:

Fast generation of various parametric maps;
color-coded DTI, FA, RA, ADC, TraceW & tensor eigenvalues

Easy and intuitive pre-configuration of acquisition settings (diffusion gradient directions and b-values)

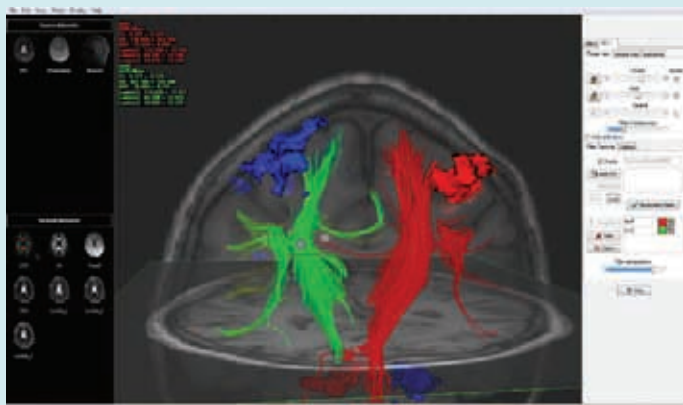
Simplified workflow and analysis using an intuitive step-by-step interface guiding the user through the process of data loading, analysis and visualization

Integrated correction scheme for motion and eddy current artifacts

Co-registration between DWI data and structural T1/T2 volume

Fiber Tracking using seed/target approach or exhaustive search

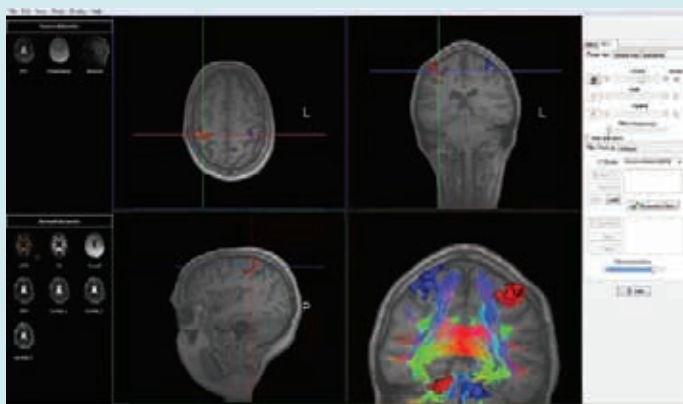
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Optimize tracking results by selection of termination criteria (FA-threshold, tract turning angle)

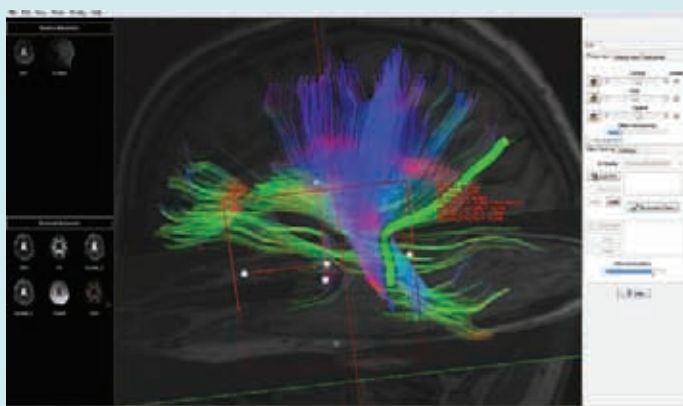
State-of-the-art 3D visualization of white matter fiber tracts superimposed on various underlay volumes (e.g. structural T1/T2, FA, color-coded eigenvector map)

Interactive selection of specific white matter fiber bundles using intuitive Region-of-Interest tools



Superimposing 3D BOLD fMRI activation

Exporting white matter fiber bundles to DICOM



Saving parametric maps, 3D snapshots or animations to various file formats or directly to PACS