

nordicICE BOLD Module

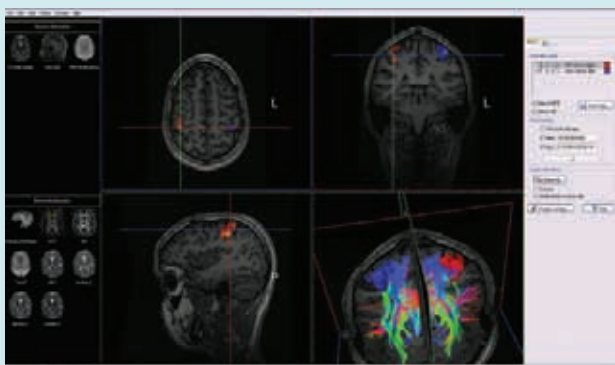


The nordicICE BOLD Module has been specifically designed for clinical users and has been tailored to fit their demands and workflow.

Easy to use due to the intuitive and user-friendly interface offered by the nordicICE BOLD Module, fMRI exam protocols can be integrated effortlessly into the everyday clinical routine.

Fast, reliable, and standardized BOLD analysis can be performed with minimal user interaction. Additionally, it is possible for the advanced user to optimize or customize the computational procedures for more complex experimental procedures.

The nordicICE BOLD Module is CE marked and FDA approved.



Key features:

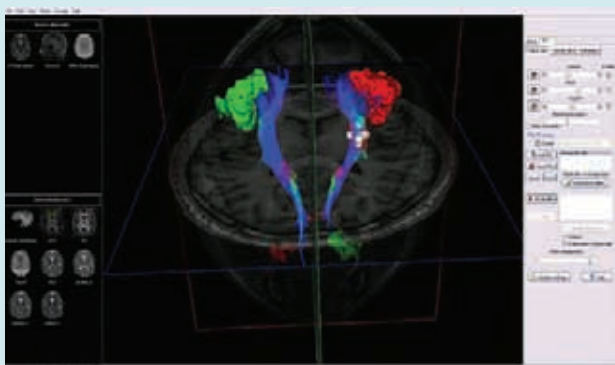
Intuitive interface guides the user through the complete analysis process

Automated data analysis for all paradigms included in nordicAktiva

State-of-the-art 2D/3D visualization of resulting activations on structural datasets

Combined 3D visualization of BOLD activations and white matter fiber tracts from Diffusion Tensor Imaging studies

Interactive thresholding of statistical maps



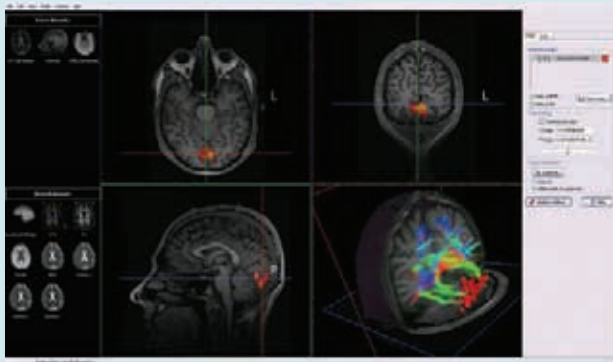
nordicICE BOLD Module



The analysis procedure includes the standard (optional) pre-processing steps such as slice-time and motion correction. Intermodality co-registration algorithms ensure the best possible correspondance between different types of image data – a critical requirement for clinical application to ensure anatomical accuracy.

Statistical analysis is based on the General Linear Model (GLM).

The obtained results can be displayed as color-coded overlays on structural images, and can easily be thresholded by the user.



Automated coregistration of functional and structural datasets

Minimal user interaction or full user specification of all parameters

Ability to save statistical maps, 3D snapshots or animations to various file formats and/or to PACS



Export results to neuronavigation systems

Generation of customizable exam report