

Resource Summary Report

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National Resource for Quantitative Functional MRI

RRID:SCR_006716

Type: Tool

Proper Citation

National Resource for Quantitative Functional MRI (RRID:SCR_006716)

Resource Information

URL: <http://www.mri-resource.kennedykrieger.org/>

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Description: Biomedical technology research center that provides expertise for the design of quantitative magnetic resonance imaging (MRI) and spectroscopy (MRS) data acquisition and processing technologies that facilitate the biomedical research of a large community of clinicians and neuroscientists in Maryland and throughout the USA. These methods allow noninvasive assessment of changes in brain anatomy as well as in tissue metabolite levels, physiology, and brain functioning while the brain is changing size during early development and during neurodegeneration, i.e. the changing brain throughout the life span. The Kirby Center has 3 Tesla and 7 Tesla state of the art scanners equipped with parallel imaging (8, 16, and 32-channel receive coils) and multi-transmit capabilities. CIS has an IBM supercomputer that is part of a national supercomputing infrastructure. Resources fall into the following categories: * MRI facilities, image acquisition, and processing * Computing facilities and image analysis * Novel statistical methods for functional brain imaging * Translating laboratory discoveries to patient treatment

Abbreviations: Resource for Quantitative Functional MRI

Synonyms: Resource for Quantitative Functional Magnetic Resonance Imaging

Resource Type: biomedical technology research center, training resource

Keywords: quantitative magnetic resonance imaging, magnetic resonance spectroscopy, mri, fmri, function, metabolism, physiology, brain, neurodevelopment, neurodegeneration, image acquisition, image processing, computing, image analysis, statistical method, neuroimaging, development

Funding: NIBIB P41 EB015909;
NCRR P41 RR015241

Resource Name: National Resource for Quantitative Functional MRI

Resource ID: SCR_006716

Alternate IDs: nlx_152634

Old URLs: <http://mri.kennedykrieger.org/nationalresource/index.html>

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Ratings and Alerts

No rating or validation information has been found for National Resource for Quantitative Functional MRI.

No alerts have been found for National Resource for Quantitative Functional MRI.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Lim IA, et al. (2013) Human brain atlas for automated region of interest selection in quantitative susceptibility mapping: application to determine iron content in deep gray matter structures. NeuroImage, 82, 449.