



DICOM to NifTI变换

MRI等の医用画像データはDICOM形式で保存されることが多い。

DICOM to NIfTI変換では、このDICOM形式で保存された画像を、MR画像を利用した画像解析用の保存形式であるNIfTI形式に変換する。

本講習会ではNIfTI形式への変換のために、MRicroGLに同梱されているdcm2niixを使用。

The screenshot displays the NITRC (Neuroimaging Tools & Resources Collaboratory) website. The header includes the NITRC logo and navigation links for Tools & Resources, Community, Support, and About NITRC. A search bar is present with a dropdown menu set to 'FOR' and a search button. The main content area features a 'Leave a testimonial' banner, a section for 'MRicroGL' with a description and a brain image, and a 'Download Now' section with a dropdown menu showing various versions and file formats (zip, linux, macOS). Below this is a 'Specifications' section with details like Category (Visualization) and License (BSD License). The 'Associations' section lists 'has subpart: dcm2niix'. The 'Recent Activity - Documents' section is partially visible at the bottom. On the right side, there is a 'Statistics' sidebar with information about the site's funding, documents, forums, and downloads, and a 'Participate!' sidebar with links to monitor releases, subscribe to RSS, bookmark the page, report issues, add a review, and join the team.

NITRC Neuroimaging Tools & Resources Collaboratory

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MRicroGL Visit Website

MRicroGL allows you to view 2D slices and renderings of your brain imaging data. It can display many image formats and includes a graphical interface for dcm2nii to convert DICOM images to NIfTI format. It allows you to draw regions of interest which can aid lesion mapping and fMRI analysis. It provides sophisticated rendering.

Image 1 of 6 Click for more.

Execution Options

Download Now: version 20-July-2022 (v1.2.2022) version 20-July-2022 (v1.2.20220720): MRicroGL_windows.zip (66242 K) version 20-July-2022 (v1.2.20220720): MRicroGL_linux1804.zip (63551 K) version 20-July-2022 (v1.2.20220720): MRicroGL_linux.zip (69162 K) version 20-July-2022 (v1.2.20220720): MRicroGL_macOS.dmg (69308 K) Show all files

Execute Now:

Specifications

Category: Visualization
License: BSD License
Show more specifications (Development Status, Domain, Intended Audience, etc)

Associations

has subpart: dcm2nii
Show more associations (has Images, is from the makers of, works well with)

Recent Activity - Documents

Statistics

Home Page
Funding: NIH-NIDCD R01DC...
Documents: 7
PubMed Mentions: 0
Forums: 733 messages in 2 ...
News Items: 6
Task Manager: 0 open / 0 to...
Tracker: 0 open / 0 total
Total Downloads: 170867
Registered: Oct 7, 2014
Organization: University of ...

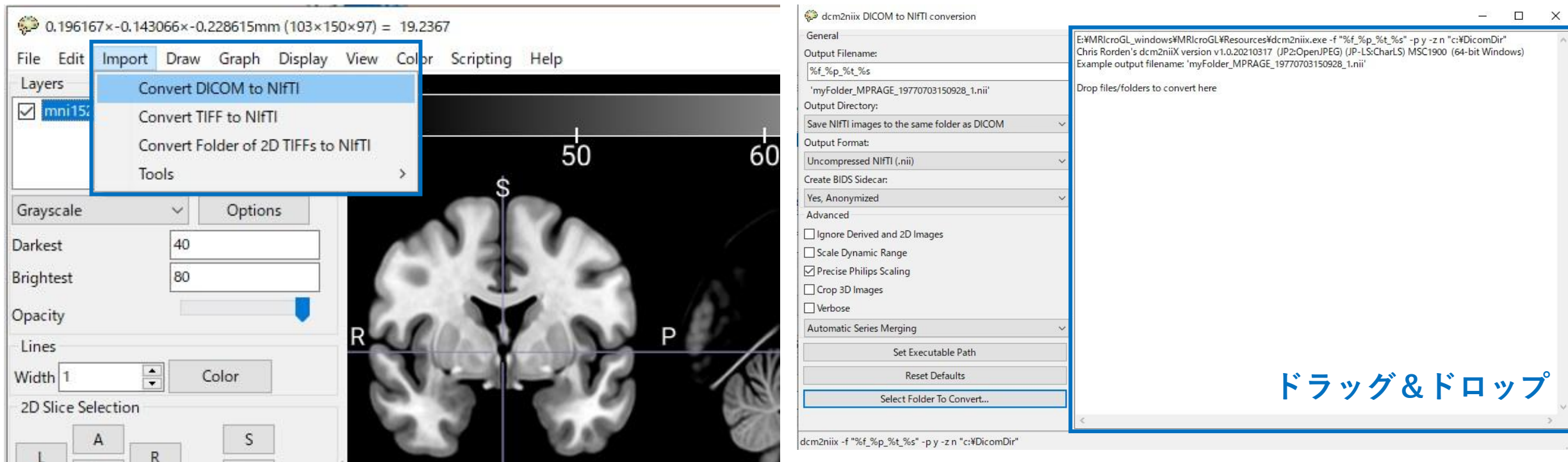
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事前準備としてダウンロードしたMRlcroGLを起動。

MRlcroGLディレクトリーの中のMRlcroGL.exeをクリック。

MRlcroGLを起動して、「Import」→「Convert DICOM to NIfTI」(左)で、出てきたウィンドウ(右)にDICOM/.dcmの入っているディレクトリーをドラッグ&ドロップ



DICOMフォルダ内に、「.nii」の拡張子のファイルが追加される。

同様の手順を、すべての機能画像/構造画像に適応する。

問い合わせ

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