Resource Summary Report

Generated by dkNET on May 19, 2025

XNAT - The Extensible Neuroimaging Archive Toolkit

RRID:SCR_003048
Type: Tool

Proper Citation

XNAT - The Extensible Neuroimaging Archive Toolkit (RRID:SCR_003048)

Resource Information

URL: http://www.xnat.org

Proper Citation: XNAT - The Extensible Neuroimaging Archive Toolkit (RRID:SCR_003048)

Description: Software platform designed to facilitate common management and productivity tasks for neuroimaging and associated data.

Abbreviations: XNAT

Synonyms: Extensible Neuroimaging Archive Toolkit, Extensible Neuroimaging Archive Toolkit (XNAT)

Resource Type: software application, source code, data processing software, data management software, software resource

Defining Citation: PMID:17426351

Keywords: analyze, client application, collaboration, data archive, data management, data sharing, data store, informatics, metadata, middleware, middleware engine, neuroinformatics, open source, productivity task, quality control, sharing, software platform, user interface, workflow, xml schema, neuroimaging, mri, processing, image, clinical, dicom, anonymization, clinical assessment, application, ct, database application, eeg, meg, ecog, java, magnetic resonance, nifti-1, os independent, pet, spect, platform, web environment, FASEB list

Funding: NIBIB R01 EB009352;
NIBIB U54 EB005149

Availability: Free, Available for download, Freely available

Resource Name: XNAT - The Extensible Neuroimaging Archive Toolkit

Resource ID: SCR_003048

Alternate IDs: nif-0000-00531

Alternate URLs: http://www.nitrc.org/projects/xnat, https://sources.debian.org/src/xnat/

License: BSD License

License URLs: Http://www.xnat.org/about/license.php

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250517T055557+0000

Ratings and Alerts

No rating or validation information has been found for XNAT - The Extensible Neuroimaging Archive Toolkit.

No alerts have been found for XNAT - The Extensible Neuroimaging Archive Toolkit.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Guerra A, et al. (2024) Clinical application of machine learning models in patients with prostate cancer before prostatectomy. Cancer imaging : the official publication of the International Cancer Imaging Society, 24(1), 24.

Galbusera F, et al. (2024) Image annotation and curation in radiology: an overview for machine learning practitioners. European radiology experimental, 8(1), 11.

Hokkinen L, et al. (2024) Factors influencing the reliability of a CT angiography-based deep learning method for infarct volume estimation. BJR open, 6(1), tzae001.

Hubbard NA, et al. (2024) The Human Connectome Project of adolescent anxiety and depression dataset. Scientific data, 11(1), 837.

Sun W, et al. (2024) Precision Network Modeling of Transcranial Magnetic Stimulation Across Individuals Suggests Therapeutic Targets and Potential for Improvement. medRxiv : the preprint server for health sciences.

George PM, et al. (2024) Evaluation of e-Lung automated quantitative computed tomography biomarkers in idiopathic pulmonary fibrosis. ERJ open research, 10(6).

Luccas R, et al. (2023) Computed tomography and magnetic resonance imaging approaches to Graves' ophthalmopathy: a narrative review. Frontiers in endocrinology, 14, 1277961.

Orton MR, et al. (2023) Interpretability of radiomics models is improved when using feature group selection strategies for predicting molecular and clinical targets in clear-cell renal cell carcinoma: insights from the TRACERx Renal study. Cancer imaging : the official publication of the International Cancer Imaging Society, 23(1), 76.

Mufti N, et al. (2023) Assessment of longitudinal brain development using super-resolution magnetic resonance imaging following fetal surgery for open spina bifida. Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology, 62(5), 707.

Fu X, et al. (2022) Spatial patterns of tumour growth impact clonal diversification in a computational model and the TRACERx Renal study. Nature ecology & evolution, 6(1), 88.

Etzel JA, et al. (2022) The Dual Mechanisms of Cognitive Control dataset, a theoretically-guided within-subject task fMRI battery. Scientific data, 9(1), 114.

Lanskey JH, et al. (2022) New Therapeutics in Alzheimer's Disease Longitudinal Cohort study (NTAD): study protocol. BMJ open, 12(12), e055135.

Vaghari D, et al. (2022) A multi-site, multi-participant magnetoencephalography resting-state dataset to study dementia: The BioFIND dataset. NeuroImage, 258, 119344.

Hokkinen L, et al. (2021) Evaluation of a CTA-based convolutional neural network for infarct volume prediction in anterior cerebral circulation ischaemic stroke. European radiology experimental, 5(1), 25.

Cohen AD, et al. (2021) Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. Frontiers in aging neuroscience, 13, 669490.

Yang PH, et al. (2021) Resting-State Functional Magnetic Resonance Imaging Networks as a Quantitative Metric for Impact of Neurosurgical Interventions. Frontiers in neuroscience, 15, 665016.

Vainio T, et al. (2021) Performance of a 3D convolutional neural network in the detection of hypoperfusion at CT pulmonary angiography in patients with chronic pulmonary embolism: a feasibility study. European radiology experimental, 5(1), 45.

Kehoe PG, et al. (2021) Safety and efficacy of losartan for the reduction of brain atrophy in clinically diagnosed Alzheimer's disease (the RADAR trial): a double-blind, randomised, placebo-controlled, phase 2 trial. The Lancet. Neurology, 20(11), 895.

Chiappiniello A, et al. (2021) Automatic multispectral MRI segmentation of human hippocampal subfields: an evaluation of multicentric test-retest reproducibility. Brain structure & function, 226(1), 137.

Tagde P, et al. (2021) Blockchain and artificial intelligence technology in e-Health. Environmental science and pollution research international, 28(38), 52810.