Resource Summary Report

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OsiriX Medical Imaging Software

RRID:SCR 013618

Type: Tool

Proper Citation

OsiriX Medical Imaging Software (RRID:SCR_013618)

Resource Information

URL: http://www.osirix-viewer.com/

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Description: :OsiriX is an image processing software dedicated to DICOM images (.dcm / .DCM extension) produced by medical equipment (MRI, CT, PET, PET-CT, ...) and confocal microscopy (LSM and BioRAD-PIC format). It can also read many other file formats: TIFF (8,16, 32 bits), JPEG, PDF, AVI, MPEG and Quicktime. It is fully compliant with the DICOM standard for image comunication and image file formats. OsiriX is able to receive images transferred by DICOM communication protocol from any PACS or medical imaging modality (STORE SCP - Service Class Provider, STORE SCU - Service Class User, and Query/Retrieve). OsiriX has been specifically designed for navigation and visualization of multimodality and multidimensional images: 2D Viewer, 3D Viewer, 4D Viewer (3D series with temporal dimension, for example: Cardiac-CT) and 5D Viewer (3D series with temporal and functional dimensions, for example: Cardiac-PET-CT). The 3D Viewer offers all modern rendering modes: Multiplanar reconstruction (MPR), Surface Rendering, Volume Rendering and Maximum Intensity Projection (MIP). All these modes support 4D data and are able to produce image fusion between two different series (for example: PET-CT). Osirix is at the same time a DICOM PACS workstation for medical imaging and an image processing software for medical research (radiology and nuclear imaging), functional imaging, 3D imaging, confocal microscopy and molecular imaging. :

Synonyms: OsiriX

Resource Type: data visualization software, software application, software resource, data

processing software

Keywords: bio.tools

Funding:

Resource Name: OsiriX Medical Imaging Software

Resource ID: SCR_013618

Alternate IDs: biotools:osirix, nif-0000-00340

Alternate URLs: https://bio.tools/osirix

Record Creation Time: 20220129T080317+0000

Record Last Update: 20250505T054247+0000

Ratings and Alerts

No rating or validation information has been found for OsiriX Medical Imaging Software.

No alerts have been found for OsiriX Medical Imaging Software.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1297 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Lee SM, et al. (2025) Association of Increased CT-Attenuation of Visceral Adipose Tissue After Surgery with Poor Survival Outcomes in Patients with Stage II-III Gastric Cancer: A Retrospective Cohort Study. Cancers, 17(2).

Okar SV, et al. (2025) High-Field-Blinded Assessment of Portable Ultra-Low-Field Brain MRI for Multiple Sclerosis. Journal of neuroimaging: official journal of the American Society of Neuroimaging, 35(1), e70005.

Fujii R, et al. (2025) Intravitreal Administration of Avacincaptad Pegol in a Nonhuman Primate Model of Dry Age-Related Macular Degeneration. Pharmacology research & perspectives, 13(1), e70052.

Ballester-Rosado CJ, et al. (2025) IGF-1 impacts neocortical interneuron connectivity in epileptic spasm generation and resolution. Neurotherapeutics: the journal of the American Society for Experimental NeuroTherapeutics, 22(1), e00477.

Smeuninx B, et al. (2025) A single bout of prior resistance exercise attenuates muscle atrophy and declines in myofibrillar protein synthesis during bed-rest in older men. The Journal of physiology, 603(1), 87.

Ozaki M, et al. (2025) Effect and safety of ethanolamine oleate in sclerotherapy in patients with difficult-to-resect venous malformations: A multicenter, single-arm study. PloS one, 20(1), e0303130.

Heitmann F, et al. (2025) Lesion Volume Divided by ADC Measures Is an Independent Prognostic Marker in Colorectal Liver Metastasis Treated by Y90-radioembolization. In vivo (Athens, Greece), 39(1), 292.

Kaneko Y, et al. (2025) Identification of gene mutations associated with the phenotype of short-limb mice emerging from a foundation colony of severely immunodeficient mice. Experimental animals, 74(1), 122.

Halstead J, et al. (2025) Association between clinical and MRI-detected imaging findings for people with midfoot pain, a cross-sectional study. Journal of foot and ankle research, 18(1), e70019.

Zeng M, et al. (2025) Association between medial meniscal extrusion and knee structural progression in adults with symptomatic knee osteoarthritis - a prospective cohort study. Skeletal radiology, 54(2), 219.

Gabriel GC, et al. (2025) Mitotic block and epigenetic repression underlie neurodevelopmental defects and neurobehavioral deficits in congenital heart disease. Nature communications, 16(1), 469.

Bodac A, et al. (2024) Bcl-xL targeting eliminates ageing tumor-promoting neutrophils and inhibits lung tumor growth. EMBO molecular medicine, 16(1), 158.

Herings SDA, et al. (2024) How to evaluate perfusion imaging in post-treatment glioma: a comparison of three different analysis methods. Neuroradiology, 66(8), 1279.

Colcuc C, et al. (2024) Comparison of virtual reality and computed tomography in the preoperative planning of complex tibial plateau fractures. Archives of orthopaedic and trauma surgery, 144(6), 2631.

Lyu M, et al. (2024) Treatment for middle cerebral artery bifurcation aneurysms: in silico comparison of the novel Contour device and conventional flow-diverters. Biomechanics and modeling in mechanobiology, 23(4), 1149.

Ozeki M, et al. (2024) Sirolimus treatment for intractable lymphatic anomalies: an open-label, single-arm, multicenter, prospective trial. Frontiers in medicine, 11, 1335469.

Jannusch K, et al. (2024) Prediction of therapy response of breast cancer patients with machine learning based on clinical data and imaging data derived from breast [18F]FDG-PET/MRI. European journal of nuclear medicine and molecular imaging, 51(5), 1451.

Simonson AW, et al. (2024) CD4 T cells and CD8?+ lymphocytes are necessary for intravenous BCG-induced protection against tuberculosis in macaques. bioRxiv: the preprint server for biology.

Jacobs MME, et al. (2024) Trained immunity is regulated by T cell-induced CD40-TRAF6 signaling. Cell reports, 43(9), 114664.

Takayama H, et al. (2024) Comparison between single-muscle evaluation and cross-sectional area muscle evaluation for predicting the prognosis in patients with oral squamous cell carcinoma: a retrospective cohort study. Frontiers in oncology, 14, 1336284.