

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 communication 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 processing software, data visualization software, software application, software resource

Keywords: bio.tools

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: 20260821T194005+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 1444 mentions in open access literature.

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

Mithani A, et al. (2026) Investigating the association between paraspinal soft tissue stiffness and spinal geometry during controlled forward flexion: A cross-sectional case-controlled investigation. Clinical biomechanics (Bristol, Avon), 138, 106904.

Steele JL, et al. (2026) Frailty, Surgical Time, and Surgical Complications Increase Length of Stay Following Large Vestibular Schwannoma Resection. Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery, 174(2), 495.

Zeng R, et al. (2026) Evaluation of Dysphagia in Myositis and Muscular Dystrophy Using Real-Time MRI and Quantitative Muscle Ultrasound. Journal of cachexia, sarcopenia and muscle, 17(2), e70187.

Sacher C, et al. (2026) Prospective, randomized study on the effects of autologous concentrated growth factors in the treatment of cystic lesions of the jaw. Wiener klinische Wochenschrift, 138(1-2), 48.

Kaname T, et al. (2026) Prognostic Impact of Cachexia Index in Patients Undergoing Surgery for Esophageal Cancer. Annals of surgical oncology, 33(6), 5339.

Chin YH, et al. (2026) The angioarchitecture of the vein of Labbé: a population-based-study of 200 Asian hemispheres. Neuroradiology, 68(4), 933.

Pantangco MJ, et al. (2026) Morphometric description of the feline tibia using three-dimensional CT. Journal of feline medicine and surgery, 28(5), 1098612X261433059.

Liu ES, et al. (2026) Cardiometabolic benefits of parathyroidectomy in dialysis patients with secondary hyperparathyroidism: preliminary insights from CT radiomics and body composition analysis. *Renal failure*, 48(1), 2684873.

Lüdtke L, et al. (2026) Introduction of the Ex/AxI ratio for optimized assessment of exophthalmos based on bulbar position parameters examined in a population-based MRI study. *Scientific reports*, 16(1), 2599.

Komljenovic D, et al. (2026) Local metastatic expansion versus secondary intra-organ dissemination: two causes of neurological death explained by fundamentally different metastatic colonization patterns. *Molecular cancer*, 25(1), 17.

Moss N, et al. (2026) Examining the influence of lifestyle variables on the accuracy of skeletal age estimation via the pubic symphysis. *Journal of forensic sciences*, 71(2), 656.

Breukers SE, et al. (2026) [18F]FDG-PET/CT's change in total lesion glycolysis can accurately identify early response upon neoadjuvant immunotherapy prior to curative-intent surgery in cutaneous squamous cell carcinoma; MATISSE trial. *European journal of nuclear medicine and molecular imaging*, 53(4), 2217.

Kenngott HG, et al. (2026) Obesity surgery improves metabolic dysfunction-associated steatotic liver disease and type 2 diabetes - MRI and biochemical analysis of liver and pancreas. *Surgery open science*, 29, 43.

Crovace AM, et al. (2026) A Retrospective Study of Clinical and Radiographic Outcomes and Exploratory Analysis of Implant Failure in Dogs $\geq$ 5 kg Treated with Titanium Locking Mini-Plates for Radial and Ulnar Fractures. *Veterinary sciences*, 13(3).

Cadenas-Sanchez C, et al. (2026) Specific Fat Depots and Cardiometabolic Risk and Insulin Resistance in Children With Obesity. *Pediatric obesity*, 21(3), e70097.

Tanaka T, et al. (2026) Computed Tomography Findings of Pulmonary Lymphoma in a Dog and Two Cats. *Veterinary medicine and science*, 12(3), e70947.

Miranda JS, et al. (2026) Abdominal symmetry index after reconstruction of traumatic lumbar hernia with dual polypropylene mesh: a comparative CT-based study. *Hernia : the journal of hernias and abdominal wall surgery*, 30(1).

Gentile P, et al. (2026) Breast Implants or Lipofilling in Augmentation Mammoplasty? A Randomized, Open-Label, Controlled Trial. *Aesthetic plastic surgery*, 50(3), 1044.

Zhang Y, et al. (2026) Infrapatellar Fat Pad Glucocorticoid Injection in Knee Osteoarthritis: A Randomized Clinical Trial. *JAMA network open*, 9(1), e2549938.

Ohashi T, et al. (2026) Labyrinthine Signal Intensity on Non-contrast-enhanced 3D-real Inversion Recovery MR Imaging: Correlation with the Endolymphatic Volume Measured on Contrast-enhanced HYDROPS-Mi2. *Magnetic resonance in medical sciences : MRMS : an official journal of Japan Society of Magnetic Resonance in Medicine*, 25(1).