

Resource Summary Report

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DICOM standard

RRID:SCR_008925

Type: Tool

Proper Citation

DICOM standard (RRID:SCR_008925)

Resource Information

URL: <http://medical.nema.org/>

Proper Citation: DICOM standard (RRID:SCR_008925)

Description: Standards for communications between medical imaging devices, including handling, storing and transmitting information in medical imaging. It includes a file format definition and a network communication protocol.

Synonyms: Digital Imaging and Communications in Medicine, DICOM

Resource Type: data or information resource, narrative resource, standard specification

Keywords: medical imaging, neuroimaging, standard specification

Resource Name: DICOM standard

Resource ID: SCR_008925

Alternate IDs: nlx_151696

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260912T195710+0000

Ratings and Alerts

No rating or validation information has been found for DICOM standard.

No alerts have been found for DICOM standard.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Belisario DC, et al. (2025) ERR α and HIF-1 α Cooperate to Enhance Breast Cancer Aggressiveness and Chemoresistance Under Hypoxic Conditions. *Cancers*, 17(14).

Delgado-Ortet M, et al. (2025) Imaging-based assessment of response to olaparib in platinum-sensitive relapsed ovarian cancer patients. *Frontiers in oncology*, 15, 1546324.

Halle MK, et al. (2024) Radiomic profiles improve prognostication and reveal targets for therapy in cervical cancer. *Scientific reports*, 14(1), 11339.

Gryska E, et al. (2024) An exploratory study of the impact of CT slice thickness and inter-rater variability on anatomical accuracy of malunited distal radius models and surgical guides for corrective osteotomy. *PloS one*, 19(10), e0311805.

Escudero Sanchez L, et al. (2023) Integrating Artificial Intelligence Tools in the Clinical Research Setting: The Ovarian Cancer Use Case. *Diagnostics (Basel, Switzerland)*, 13(17).

Tsai EB, et al. (2021) The RSNA International COVID-19 Open Radiology Database (RICORD). *Radiology*, 299(1), E204.

Razeghi O, et al. (2021) Hyperparameter optimisation and validation of registration algorithms for measuring regional ventricular deformation using retrospective gated computed tomography images. *Scientific reports*, 11(1), 5718.

Razeghi O, et al. (2020) CemrgApp: An interactive medical imaging application with image processing, computer vision, and machine learning toolkits for cardiovascular research. *SoftwareX*, 12, 100570.

Berquist RM, et al. (2015) The coelacanth rostral organ is a unique low-resolution electro-detector that facilitates the feeding strike. *Scientific reports*, 5, 8962.

Larman HB, et al. (2014) Sensitive, multiplex and direct quantification of RNA sequences using a modified RASL assay. *Nucleic acids research*, 42(14), 9146.

Parkhurst JM, et al. (2014) dxtbx: the diffraction experiment toolbox. *Journal of applied crystallography*, 47(Pt 4), 1459.

Haselgrove C, et al. (2014) A simple tool for neuroimaging data sharing. *Frontiers in neuroinformatics*, 8, 52.

Keator DB, et al. (2013) Towards structured sharing of raw and derived neuroimaging data across existing resources. *NeuroImage*, 82, 647.

Prisciandaro JI, et al. (2013) Review of online educational resources for medical physicists. *Journal of applied clinical medical physics*, 14(6), 4476.

Vállez N, et al. (2013) CADe system integrated within the electronic health record. *BioMed research international*, 2013, 219407.

Kolmeder CA, et al. (2012) Comparative metaproteomics and diversity analysis of human intestinal microbiota testifies for its temporal stability and expression of core functions. *PloS one*, 7(1), e29913.

Egger J, et al. (2012) Square-cut: a segmentation algorithm on the basis of a rectangle shape. *PloS one*, 7(2), e31064.

Berquist RM, et al. (2012) The Digital Fish Library: using MRI to digitize, database, and document the morphological diversity of fish. *PloS one*, 7(4), e34499.

Twiner MJ, et al. (2011) Concurrent exposure of bottlenose dolphins (*Tursiops truncatus*) to multiple algal toxins in Sarasota Bay, Florida, USA. *PloS one*, 6(3), e17394.

Kim HS, et al. (2011) The Development of a Graphical User Interface Engine for the Convenient Use of the HL7 Version 2.x Interface Engine. *Healthcare informatics research*, 17(4), 214.