Resource Summary Report

Generated by dkNET on May 21, 2025

Medical image simulation

RRID:SCR_010355
Type: Tool

Proper Citation

Medical image simulation (RRID:SCR_010355)

Resource Information

URL: http://purl.bioontology.org/ontology/OntoVIP

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Description: Ontology that describes the content of the models used in medical image simulation developed in the context of the Virtual Imaging Platform project (VIP), a french project aiming at sharing medical image simulation resources. This ontology can be used to annotate such models in order to highlight the different entities that are present in the 3D scene to be imaged, i.e. anatomical structures, pathological structures, foreign bodies, contrast agents etc. The model allows also to associate to these entities information about their physical qualities, which are used in the medical image simulation process (to mimick physical phenomena involved in CT, MR, US and PET imaging). This ontology partly relies on the OntoNeuroLOG ontology (ONL-DP ONL-MR-DA), as well as PATO, RadLex, FMA and ChEBI.

Abbreviations: OntoVIP

Resource Type: data or information resource, controlled vocabulary, ontology

Keywords: owl

Funding: French National Research Agency ANR-09-COSI-03

Resource Name: Medical image simulation

Resource ID: SCR_010355

Alternate IDs: nlx_157472

Record Creation Time: 20220129T080258+0000

Record Last Update: 20250519T204416+0000

Ratings and Alerts

No rating or validation information has been found for Medical image simulation.

No alerts have been found for Medical image simulation.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Bull JJ, et al. (2018) Phage-Bacterial Dynamics with Spatial Structure: Self Organization around Phage Sinks Can Promote Increased Cell Densities. Antibiotics (Basel, Switzerland), 7(1).

Horng J, et al. (2016) Imaging electric field dynamics with graphene optoelectronics. Nature communications, 7, 13704.

Raviv O, et al. (2014) Contradictory behavioral biases result from the influence of past stimuli on perception. PLoS computational biology, 10(12), e1003948.