Resource Summary Report

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Digital Anatomist Interactive Atlases Project

RRID:SCR_007060
Type: Tool

Proper Citation

Digital Anatomist Interactive Atlases Project (RRID:SCR_007060)

Resource Information

URL: http://www9.biostr.washington.edu/da.html

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Description: Atlases of human brain, thoracic viscera and knee designed for teaching gross anatomy. Also provides a neuroanatomy Interactive syllabus, suitable as a laboratory guide, with an instructive caption accompanying each image and interactive quizzes. The Digital Anatomist Project is motivated by the belief that anatomy is the basis of all the biomedical sciences (including clinical medicine). Manifestations of health and disease can be regarded as attributes of anatomical structures ranging in size from molecules to body parts. Therefore DAP"s goal is to represent anatomy in a comprehensive and consistent way, which should meet the needs of all biomedical applications that require anatomical knowledge. DAP has pursued two parallel tracks for representing anatomical information: 1. The generation of graphical models derived from cadaver and clinical imaging data; and 2. Symbolic modeling of the structures and relationships that constitute the human body. It"s initial work with graphical representations of anatomy provided the impetus and motivation for the National Library of Medicine to establish the Visible Human Project, and it"s symbolic modeling has enhanced NLM"s Unified Medical Language System in order to represent deep anatomical knowledge. In collaboration with the knowledge systems group at Stanford, it has now created a very large knowledge base which provides the foundation for the machine-based intelligence needed to remotely interact with biomedical image data.

Abbreviations: DAP Interactive Atlases

Synonyms: Digital Anatomist Project Interactive Atlases

Resource Type: atlas, training material, narrative resource, data or information resource

Keywords: brain atlas, anatomy, biomedical, body, cell, medicine, model, neuroanatomy,

brain, quiz, 2d, 3d, cadaver section, mri, computer reconstruction, mri scan, tissue section, pathway, topography, development, vessel, ventricle, spinal cord, brainstem, cranial nerve, sensory system, motor system, cerebellum, basal ganglia, eye movement, hypothalamus, limbic system, cortical connection, forebrain, thoracic organ, knee

Funding:

Resource Name: Digital Anatomist Interactive Atlases Project

Resource ID: SCR_007060

Alternate IDs: nif-0000-10207

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250417T065302+0000

Ratings and Alerts

No rating or validation information has been found for Digital Anatomist Interactive Atlases Project.

No alerts have been found for Digital Anatomist Interactive Atlases Project.

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 NIF.

Prasad M, et al. (2013) Web resources for neurologists and neurosurgeons. Annals of neurosciences, 20(1), 18.

Parikh NA, et al. (2009) Volumetric and anatomical MRI for hypoxic-ischemic encephalopathy: relationship to hypothermia therapy and neurosensory impairments. Journal of perinatology : official journal of the California Perinatal Association, 29(2), 143.

Devlin JT, et al. (2007) In praise of tedious anatomy. NeuroImage, 37(4), 1033.