

Resource Summary Report

Generated by NIF on May 17, 2025

Cardiovascular Model Repository

RRID:SCR_002679

Type: Tool

Proper Citation

Cardiovascular Model Repository (RRID:SCR_002679)

Resource Information

URL: <https://simtk.org/home/cv-gmodels>

Proper Citation: Cardiovascular Model Repository (RRID:SCR_002679)

Description: Repository of geometric models collected from on-going and past research projects in the Cardiovascular Biomechanics Research Laboratory at Stanford University. The geometric models are mostly built from imaging data of healthy and diseased individuals. For each of the models, a short description is given with a reference. The geometric models are in VTK PolyData XML .vtp format. * Audience: Biomechanical and computational researchers interested in complex models of cardiovascular applications * Long Term Goals and Related Uses: Allow users to download geometric models for cardiovascular applications. These geometric models can be used for research purposes, such as meshing and scientific visualization. Users are welcome to contact the project administrator, join the project and contribute additional models.

Resource Type: service resource, data or information resource, image collection, storage service resource, data repository

Keywords: aneurysm, arteriofemoral bypass, cardiovascular simulation, image-based geometric modeling, simvascular, stent, vtk, healthy, diseased, normal, cardiovascular, model, cardiovascular model, cardiovascular system, bypass, palmaz-stent, aorta, source code

Related Condition: Normal, Cardiovascular disease, Healthy

Funding:

Availability: Free, For research, Acknowledgement required, Account required, Commercial use requires permission, Contact Charles A. Taylor (taylorca_at_stanford.edu).

Resource Name: Cardiovascular Model Repository

Resource ID: SCR_002679

Alternate IDs: nif-0000-23301

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250516T053640+0000

Ratings and Alerts

No rating or validation information has been found for Cardiovascular Model Repository.

No alerts have been found for Cardiovascular Model Repository.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.