Resource Summary Report

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VMTK in 3D Slicer

RRID:SCR_002579
Type: Tool

Proper Citation

VMTK in 3D Slicer (RRID:SCR_002579)

Resource Information

URL: https://www.slicer.org/slicerWiki/index.php/Slicer4:VMTK

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Description: Provides series of modules which enable functions of Vascular Modeling Toolkit in 3D Slicer. Functionality includes vessel enhancement filtering, level set segmentation, centerline computation, network extraction and branch splitting.VMTK is available through the extension manager for 3D Slicer from version 4.6.2. Main difference to Slicer3 version is that now all VMTK modules come as one extension bundle. This should enhance the installation experience for users.

Synonyms: Slicer4:VMTK, Vascular Modeling Toolkit in 3D Slicer 4, VMTK Extension for 3D Slicer 4.2+, VMTK in 3D Slicer 4, Vascular Modeling Toolkit in 3D Slicer

Resource Type: software resource, software toolkit

Keywords: Vascular Modeling Toolkit, 3D Slicer, vessel enhancement filtering, level set segmentation, centerline computation, network extraction, branch splitting,

Funding:

Availability: Free, Available for download, Freely available

Resource Name: VMTK in 3D Slicer

Resource ID: SCR_002579

Alternate IDs: SCR_014179, nlx_155981

Alternate URLs: https://github.com/haehn/VMTKSlicerExtension,

http://www.nitrc.org/projects/slicervmtklvlst

Old URLs: http://www.vmtk.org/Main/VmtkIn3DSlicer

License: 3D Slicer License, BSD License

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250523T054249+0000

Ratings and Alerts

No rating or validation information has been found for VMTK in 3D Slicer.

No alerts have been found for VMTK in 3D Slicer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Judson MC, et al. (2017) Decreased Axon Caliber Underlies Loss of Fiber Tract Integrity, Disproportional Reductions in White Matter Volume, and Microcephaly in Angelman Syndrome Model Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(31), 7347.