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Jan 1, 2012 – Dec 31, 2014 ▾ All results ▾ Clear



3D Slicer

https://www.slicer.org/img_auth.php/3DVis...

3D VISUALIZATION OF DICOM IMAGES RADIOLOGICAL ...

Sep 30, 2014 — Following this tutorial, you will be able to load and **visualize** DICOM volumes with **3D Slicer**, and to interact in **3D** with structural images and models of the.

https://www.slicer.org/img_auth.php/DataL...

Data Loading and 3D Visualization

Dec 15, 2012 — **Surgical Planning Laboratory** ... Director of **Training**, National Alliance for Medical Image Computing ... **3D Visualization** of the Anatomy.



Harvard University

<https://spl.harvard.edu/people/sonia-pujol-phd>

Sonia Pujol, PhD | OpenScholar - Surgical Planning Laboratory

Apr 9, 2014 — Pujol has been teaching medical image analysis and delivering hands-on **training** workshops using **3D Slicer** at major national universities, which include Stanford ...



Children's National

<https://childrensnational.org/research/labs/research>

Our Research - 3D Cardiac Visualization Laboratory

Nov 11, 2014 — We can use **3D modeling** and computer simulation to virtually **plan** cardiac procedures and cardiac **surgery**, forming a strong collaboration between ...



Queen's University

<http://perk.cs.queensu.ca/sites/files/2014-0...>

3D Slicer

by R Kikinis · 2013 · Cited by 7 — **Surgical Planning Laboratory**. Brigham and Women's Hospital. Boston, Massachusetts USA a teaching affiliate of. Harvard Medical **School**. **3D Slicer**. 72 pages



Brigham and Women's Hospital

<https://www.brighamandwomens.org/pdfs/rs...>

RSNA 2014 3D Printing (Hands-on) Training Guide

Mar 31, 2014 — differences from methods used by radiologists for **3D visualization**. ... anticipated usage of the product (e.g., a model for **surgical planning** versus a. 20 pages



Applied Radiology

<https://appliedradiology.com/Articles>true-3d-unlo...>

True 3D: Unlocking the full potential of medical imaging

Nov 5, 2014 — These sketches are then used by surgeons for **surgical planning**. "Using True **3D** is almost like performing gross dissection in the anatomy **laboratory**," Dr.



National Institutes of Health (.gov)

<https://www.ncbi.nlm.nih.gov/articles/PMC3204194>

Training and Simulation in Otolaryngology - PMC

by GJ Wiet · 2011 · Cited by 80 — **Surgical training** requires at least 5 years under current methods at a cost of ... utilizes CT data with hybrid volume and surface-based **3D rendering**, ...

<https://www.ncbi.nlm.nih.gov/articles/PMC4017899>

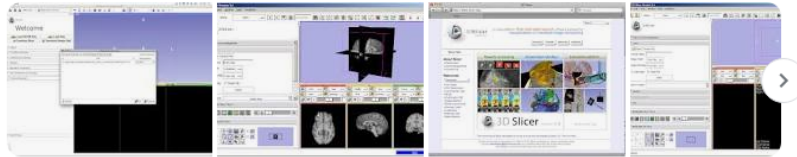
Surgery, Virtual Reality, and the Future - PMC

by KG Vosburgh · 2013 · Cited by 13 — Keywords: Virtual reality, Augmented reality, **Surgery**, Image-guided **Surgery** ... **3D visualization** and decision support), hardware (high...



Images for 3d visualization training at surgical planning l...

Images for 3d visualization training at surgical planning laboratory

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<https://www.dataagency.com>

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[AME Publishing Company](https://hbsn.amegroups.com)
<https://hbsn.amegroups.com> · [article](#) · [view](#) · [html](#)

Real-time 3D image reconstruction guidance in liver resection ...

Apr 16, 2014 — We have then developed several **3D visualization** and **surgical planning** software ... to better learning of patient anatomy and real preoperative **training**.



[Inova](https://www.inova.org)
<https://www.inova.org> · [simulation-programs](#) · [astec](#)

Advanced Surgical Technology and Education Center ...

Jun 5, 2014 — Inova Fairfax Hospital offers the region's most advanced **surgical** education simulation center in the ... Reserve the ASTEC Advanced **3D Technology Laboratory**.



[MDPI](https://www.mdpi.com)
<https://www.mdpi.com> · ...

3D Preoperative Planning in the ER with OsiriX

by M Mandel · 2013 · Cited by 42 — The use of **3D surgical planning** made it possible to perform procedures more ... (ROI) based on the hematoma localization, for a subsequent **3D**...



[3D Systems](https://www.3dsystems.com)
<https://www.3dsystems.com> · [press-releases](#) · [3d-syste...](#)

3D Systems to Acquire Simbionix, the Global Leader in 3D ...

Jul 30, 2014 — Combination expands 3DS Healthcare reach from the **training** room to the operating room ... platform for **3D simulation**, **training**, virtual **surgical planning**, ...



[HealthManagement.org](https://healthmanagement.org)
<https://healthmanagement.org> · [issuearticle](#) · [how-3d-im...](#)

How 3D Imaging is Advancing Radiology

Apr 12, 2014 — Rapid acquisition using thin slices and improved **rendering** algorithms ... Having **3D** capability available for diagnosis and **surgical planning** allows ...



[Tufts University](https://dental.tufts.edu)
<https://dental.tufts.edu> · [Research](#) · [Faculty Research](#)

Facial Animation Laboratory | School of Dental Medicine

Feb 15, 2013 — Step Two. **3D rendering** of a head. Once data is collected from patients on the Motion AnalysisTM system, research staff ...



[Brainlab](https://www.brainlab.com)
<https://www.brainlab.com> · [surgery-products](#) · [cranial...](#)

Elements for Cranial Planning

Feb 5, 2014 — Brainlab Elements are efficient software modules that serve multiple clinical

Elements for Cranial Planning

Feb 5, 2014 — Brainlab Elements are efficient software modules that serve multiple clinical specialties for **planning** of image guided **surgery**. Learn more.
Missing: **laboratory** | Must include: **laboratory**



John Wiley & Sons

<https://aasidpubs.onlinelibrary.wiley.com/doi>

Three-dimensional print of a liver for preoperative planning in ...

by NN Zein · 2013 · Cited by 344 — Department of Hepato-Pancreato-Biliary and Transplant **Surgery**, Digestive Disease ... software able to provide **3D visualization** of liver structures.4, 5.



Antonio Bernardo Md

<http://www.antoniobernardomd.com> · skull-base-surg...

Skull Base Surgery

Feb 23, 2014 — A special **training** is required to perform such intricate **surgery** in the small ...
The **laboratory** features **3D** technology to pursue research and educational ...



Kitware

<https://www.kitware.com> · expertise

All Areas of Expertise

Apr 2, 2013 — **3D** Slicer has been used in a variety of medical and basic scientific applications such as dentistry, radiation oncology, **surgical planning**, and drug ...

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CG Spectrum

<https://www.cgspectrum.com>

Architectural Visualization - Learn 3D Visualization

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Blue Sky Bio

<https://blueskybio.com> · Home · Software

Blue Sky Plan Advantages

Mar 18, 2013 — Improved **3D visualization**: View the anatomy in high quality volume rendering ...
While of **course**, everyone loves Blue Sky Bio implants, **Surgical** Guides can be ...



diagnosticimaging.com

<https://www.diagnosticimaging.com> · view · virtual-h...

Virtual Holography: The Next Step in 3D Imaging?

Jul 18, 2012 — Aguirre wants to provide is a "true **3D visualization** platform" that ... a **surgical planning** and image guided treatment application in cardiology using ...



SAGES

<https://www.sages.org> · Abstracts

3D laparoscopy - does improved visualization decrease ...

Jul 1, 2013 — Keck **School** of Medicine of the University of Southern California. Objective of the technology or device: Complex laparoscopic **surgery** is difficult to master ...



Kettering University

<http://newb.kettering.edu> · reach · people

People | REACH LAB - Bulldogs

Dec 15, 2014 — He currently works on the design of a haptic-enabled minimally invasive **surgery training** simulator. He **plans** to use NDI **3D** Investigator system to include ...



unipv.it

<http://www-2.unipv.it> · iuss · Ferrazzano [PDF](#)

Image Elaboration - 3D Reconstruction

Apr 14, 2013 — Software for **3D** Reconstruction. > **3D** Slicer ... Volume **Rendering**. > ITK-
Open ... Open source system designed at the Surgical Planning Laboratory

Image Laboratory - 3D Reconstruction

Apr 14, 2013 — Software for **3D** Reconstruction. > **3D** Slicer ... Volume **Rendering**. > ITK-Snap ... Open-source program developed at the **Surgical Planning Laboratory**.



Baylor College of Medicine

<https://www.bcm.edu> › research › atc-core-labs**Advanced Technology Core Labs**

Oct 8, 2013 — The Advanced Cell Engineering and **3D** Models (ACE-3M) Core is a newly ... The shared resource provides **training** on all instruments, assists with data ...



ScienceDirect

<https://www.sciencedirect.com> › article › abs › pii**3D Slicer as an image computing platform for the ...**

by A Fedorov · 2012 · Cited by 5341 — Initially envisioned as a **neurosurgical** guidance, **visualization** and analysis system [7], [9], over the last decade, Slicer has evolved into an...



CSU-Pueblo

<https://aisweb.csupueblo.edu> › DegreePlans › B... PDF**ACADEMIC PLANNING SHEET B.S.**

Sep 2, 2014 — DISCLAIMER: The Academic **Planning** Sheet is designed as a guide for students **planning** ... o Natural and Physical Sciences **Courses** (8) ((2 **courses** with **labs**).



arXiv

<https://arxiv.org> › pdf PDF**A Segmentation Algorithm on the Basis of a Rectangle Shape**

by J Egger · 2012 · Cited by 78 — 1 Department of Radiology, **Surgical Planning Laboratory**, ... **3D visualization** of a Magnetic Resonance Imaging (MRI) spine dataset with a graph that h...



Stanford University

<https://med.stanford.edu> › profiles › shannon-walters**Shannon Walters | Stanford Medicine**

Jan 31, 2014 — At Stanford **3D** and Quantitative Imaging **Lab**, I work closely with healthcare providers, researchers, and educators to enable effective health **visualization**.



Old Dominion University

<https://www1.odu.edu> › cmse › research**Computational Modeling & Simulation Engineering**

Aug 22, 2014 — Undergraduate Projects & Research **Laboratory** · Medical Simulations **Laboratory** · Applied M&S Research **Laboratory** · Collaborative Autonomous Systems...



europa.eu

<https://cordis.europa.eu> › article › 138274-more-synergy...**More Synergy for Computer-Supported Medicine – Fraunhofer ...**

Apr 29, 2014 — Such algorithms allow reliable and quick **visualization** of image content and ... the **Surgical Planning Laboratory** (SPL) at Harvard Medical **School** in Boston.



Dentsply Sirona

<https://www.dentsplysirona.com> › web › Implants PDF**Procedure Manual**

Sep 23, 2014 — **3D** implant treatment **planning** equally requires the use of a. SIMPLANT Guide during actual **surgery** to place implants. Additionally, the SIMPLANT Guide types ...



Simbionix

<https://simbionix.com> › 3d-systems-introduces-new-si...**Surgical Science Introduces New Simbionix Robotics ...**

Sep 21, 2014 — In addition, 3DS **plans** to incorporate its Bespoke **Modeling**™, cloud-based, easy-to-use, affordable **3D modeling** service, into its Simbionix simulators.



Journal of Visualized Experiments

<https://www.jove.com> › institutions › MA-massachusetts



Journal of Visualized Experiments

<https://www.jove.com> › institutions › MA-massachusetts

Harvard University | Protocols and Video Articles

Aug 29, 2012 — Martinos Center of Biomedical Imaging, Harvard Medical School, Molecular

Surgery Laboratory, Department of Surgery, Massachusetts General Hospital, Harvard ...



Open Inventor

<https://www.openinventor.com> › ... › User testimonials

IDASS digital autopsy software (iGene®)

Dec 17, 2013 — Currently, Open Inventor achieves the best performance when rendering 3D images. ... diagnosis and surgical planning, device modeling and 3D printing, ...



dtu.dk

<http://www2.imm.dtu.dk> › tensor › programme

Summer school on Tensors and Tensor Fields in Imaging

Jun 19, 2013 — In collaboration with LMI, the Laboratory for Mathematics in Imaging at Harvard Medical School and the Surgical Planning Laboratory in Boston he has also ...



Kimberley Goh, M.D.

<https://www.kimberleygohmd.com> › 2014/07

COSMETIC SURGERY FOR WEDDINGS AND EVENTS

Jul 31, 2014 — If you want cosmetic surgery for an event, talk to your plastic surgeon early. ... Preoperative requirements such as lab tests, EKGs, or mammograms may have ...



Oxford University Press

<https://academic.oup.com> › ejcts › article

Three-dimensional printing in cardiac surgery and ...

by D Schmauss · 2015 · Cited by 237 — The models were very helpful for perioperative planning and orientation, ... Virtual 3D reconstruction methods such as volume or surface...



CLU-IN

<https://clu-in.org> › tio › QSM_042313 › prez

4 DoD/DOE QSM TRAINING April 2013 Fred McLean Navy ...

Apr 23, 2013 — Welcome to the CLU-IN Internet Seminar. DoD/DOE Consolidated Quality Systems Manual (QSM) for Environmental Laboratories Version 5.0 Training.



National Alliance for Medical Image Computing

<https://www.na-mic.org> › wiki › SlicerSummary

SlicerSummary - NAMIC Wiki

Apr 3, 2013 — The 3D Slicer (or simply Slicer) software was initially developed as a joint effort between the Surgical Planning Lab at Brigham and Women's Hospital and at ...



Centers for Disease Control and Prevention (.gov)

<https://www.cdc.gov> › mmwr › preview › mmwrhtml

Guidelines for Safe Work Practices in Human and Animal ...

by JM Miller · Cited by 155 — Laboratory Design and Architectural Planning for Microbiology ... Training staff in risk assessment is critical to achieving these objectives.



Georgia Tech

<https://bme.gatech.edu> › bme › faculty › Ajit-Yoganat...

Ajit-Yoganathan

Oct 10, 2014 — Cardiovascular Fluid Mechanics Laboratory ... Surgical Planning; Use of MRI and 3D Echo to study blood flow patterns in cardiovascular structures ...



Dassault Systèmes

<https://www.3ds.com> › simulia › life-sciences-healthcare

Living Heart Project | SIMULIA

May 20, 2014 — 3D modeling of the heart, based on real-world, patient-specific input, can unite all of this data and support promising research in advanced surgical and ...

all of this data and support promising research in advanced **surgical** and ...



University of Cincinnati

<https://ceas.uc.edu/research/centers-labs>

Research Centers & Labs | University of Cincinnati

Jul 12, 2012 — UC's College of Engineering and Applied Science maintains a number of centers and **labs** dedicated to areas of specialized research. Learn more!



openaccessjournals.com

<https://www.openaccessjournals.com/articles/3d-flu...>

3D fluoroscopy-based imaging in the cardiovascular ...

Feb 18, 2013 — Comparison of **3D** coronary **modeling** versus reconstruction. ... the x-ray imaging system in the cardiovascular catheterization **laboratory** as a live overlay ...

Jul 31 - Aug 1 **31th International ...**



Rutgers University

https://njms.rutgers.edu/cerebral_vascular

Neurological Surgery - Rutgers New Jersey Medical School

Jul 3, 2013 — The Dextroscope is a medical imaging device that combines state of the art Virtual Reality technology with real-time volumetric and **3D rendering**. The **Laboratory** ...



The George Washington University

<https://www.mae.seas.gwu.edu/quick-facts>

Quick Facts | Mechanical & Aerospace Engineering (MAE)

Sep 4, 2014 — Biofluid Dynamics **Laboratory**; Bioengineering **Laboratory** for Nanomedicine and ... of cardiovascular disease and develop tools for **surgical planning** such as ...



University of Michigan

<https://medicine.umich.edu/research-laboratories/al...>

Alnawaz Rehemtulla Laboratory | Radiation Oncology

Nov 18, 2014 — The development of genetically encoded proteins, which enable real-time, high-resolution and semi-quantitative **visualization** of molecular concentrations and ...



Columbia University

<https://bulletin.engineering.columbia.edu/courses-8>

Courses | Bulletin | Columbia Engineering

Oct 10, 2012 — **Lab**: 0.5. Not offered during 2022-23 academic year. Advanced analysis and **modeling** of the musculoskeletal system. Topics include advanced concepts of **3D** ...



Arch Virtual: Custom Virtual Reality Development

<https://archvirtual.com>

Arch Virtual VR Training and Simulation for Education and ...

May 15, 2012 — **Architectural VR**. Promote and **visualize** your next project with virtual reality architecture experiences that allow you to explore a building long before ...



Navajo-NSN.GOV (gov)

<http://www.dpm.navajo-nsn.gov/specs> PDF

3753 Community Education and Counseling Series ...

Dec 20, 2013 — Provides psychological services, technical assistance and **training** in evaluations, ... **plans** of treatment; provides consultation to other mental health ...



Boston Children's Hospital

<https://www.childrenshospital.org/.../Radiology>

Radiology | Programs & Services

Jul 21, 2014 — The Advanced Image Analysis **Laboratory** in the Department of Radiology at Boston ... Imaging data can be used to create a **3D** model for **surgical planning**.



New York University

<https://nyuad.nyu.edu/research/faculty-labs-and-pr...>

Dec 20, 2013 — Provides psychological services, technical assistance and **training** in evaluations, ... **plans** of treatment; provides consultation to other mental health ...



Boston Children's Hospital

<https://www.childrenshospital.org> › ... › Radiology

Radiology | Programs & Services

Jul 21, 2014 — The Advanced Image Analysis **Laboratory** in the Department of Radiology at Boston ... Imaging data can be used to create a **3D** model for **surgical planning**.



New York University

<https://nyuad.nyu.edu> › research › faculty-labs-and-pr...

Faculty Labs and Projects - NYU Abu Dhabi

May 4, 2014 — The Computational Approaches to **Modeling** Language (CAMEL) **Lab** is a research **lab** at New York University Abu Dhabi established in September 2014. CAMEL's...



San Bernardino Valley College

<https://www.valleycollege.edu> › browse-online-classes

All Online Courses — San Bernardino Valley College

Oct 12, 2012 — This introductory **course in architectural visualization** and drawing techniques will ... This is a comprehensive lecture/**laboratory course in** human anatomy.



WordPress.com

<https://pyscience.wordpress.com> › 2014/11/16 › volu...

Volume Rendering with Python and VTK | PyScience

Nov 16, 2014 — In this post I will demonstrate volume **rendering** of **3D** image data in VTK. ... Publication Database hosted by Harvard's **Surgical Planning Laboratory** (SPL).



Cataract & Refractive Surgery Today

<https://crstoday.com> › downloads › 0414_insert3 PDF

EXPLORING THE SUITE

Apr 3, 2014 — He is a paid consultant and speaker for alcon **laboratories**, Inc. ... can transfer the **surgical plan** to the LenSx Laser. The ... I can easily **visualize** and.



International Anaplastology Association

<https://www.anaplastology.org> › education_

Education and Training

Nov 5, 2014 — Anaplastology; Prosthetics/**3D** Model design; Orthotics/Prosthetics; Ocularistry ... clinical and **laboratory** procedures, **surgical planning** techniques, ...



American Chemical Society

<https://pubs.acs.org> › doi

Evaluation of 3D Printing and Its Potential Impact on ...

by BC Gross · 2014 · Cited by 1873 — (C) Detailed **3D** printed plaster models for **surgical** simulation. ... employed by many educational **laboratories**, ours not excluded, **3D** printing offe...



ClearView Surgical

<http://clearviewsurgical.com>

ClearView Surgical | Revolutionizing Surgical Visualization

Apr 1, 2012 — ClearView **Surgical** transforms CT, MRI, & other images into interactive **3D** holograms for immersive **visualization** & collaboration in **Surgical Planning** ...
Missing: **laboratory** | Must include: **laboratory**

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