

# Advanced Intraoperative Technologies In Neurosurgery

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**MD News - A New Standard for Advanced Neurosurgery -**

By: Staff Writer Monday, March 01, 2010 Filed under:  
Technology | Treatments & Techniques | Neurology. The  
IMRISneuro by IMRIS, a full-field intraoperative magnetic  
[http://www.mdnews.com/news/2010\\_03/05805\\_mar-  
apr2010\\_a\\_new\\_standard\\_for\\_advanced\\_neurosurgery.aspx](http://www.mdnews.com/news/2010_03/05805_mar-apr2010_a_new_standard_for_advanced_neurosurgery.aspx)

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**Tampa General Hospital Launches Advanced -**

Information Technology. Advanced Imris Visius iMR improves surgical results and patient outcomes for neurosurgery  
Launches Advanced Intraoperative MRI Use

<http://www.dicardiology.com/article/tampa-general-hospital-launches-advanced-intraoperative-mri-use-first-cases>

**Intraoperative MRI | WUSTL Department of -**

With intraoperative MRI, This advanced technology is coupled with a specialized expertise of physicians representing the fields of neurosurgery

<http://www.neurosurgery.wustl.edu/patient-care/technology-innovation/intraoperative-mri-134>

**Reconstructive Spine Surgery | Sentara Healthcare -**

The team at Sentara Neurosurgery Specialists of Virginia has performed hundreds of complex spine reconstruction cases. Advanced intraoperative technology.

<http://www.sentara.com/hampton-roads-virginia/medicalservices/services/neurosciences/services/neurosurgery/services/reconstructive-spine-surgery.aspx>

**Tractography for Brain Tumor Surgery | Department -**

A-Z Technologies Guide. (spinal neurosurgery) Intraoperative Neurophysiology for Brain Tumor Surgery; Tractography for Brain Tumor Surgery;

<http://www.med.nyu.edu/neurosurgery/physicians/a-z-technologies-guide/tractography-brain-tumor-surgery>

**Half.com: Advanced Intraoperative Technologies in -**

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**Advanced Technologies - Harper University -**

Closer than you think. Advanced Technologies . Harper was the first hospital in Michigan to offer innovative technologies like Intraoperative Magnetic

<http://www.harperhutzell.org/?id=248&sid=1>

**Intraoperative Imaging in Neurosurgery: MRI, CT, -**  
Advanced Search. Username Intraoperative Imaging in  
Neurosurgery is authored by the neurosurgeons who have  
been the primary drivers of the technology at the  
<http://www.ajnr.org/content/25/1/153.short>

**Intraoperative MRI Technology Advances Brain -**  
Intraoperative MRI Technology Advances these advanced  
technologies are coupled of physicians representing the  
fields of neurosurgery  
<http://www.siteman.wustl.edu/contentpage.aspx?id=2376>

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technologies in neurosurgery. [V A Fasano; R E Anderson;]  
<http://www.worldcat.org/title/advanced-intraoperative-technologies-in-neurosurgery/oclc/12551971>

**Advanced Technology in Neurosurgery, Franco -**  
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<http://www.amazon.com/Advanced-Technology-Neurosurgery-Franco-Pluchino-ebook/dp/B00HWV0N4S>

**Neurosurgery - Siemens Healthcare USA -**  
Advanced imaging and navigation capabilities that enable  
integrated interventions play a key role in today s  
neurosurgery. In intraoperative MRI,  
<http://usa.healthcare.siemens.com/clinical-specialities/surgery/surgical-disciplines/neurosurgery>

**Advanced approach for intraoperative MRI guidance -**  
Advanced approach for intraoperative MRI 2006), Advanced  
approach for intraoperative MRI guidance and potential  
benefit for of Neurosurgery,  
<http://onlinelibrary.wiley.com/doi/10.1002/jmri.20597/citedby>

**JNS - Journal of Neurosurgery -**  
(2012) Information-Guided Surgery of Intracranial Gliomas:  
Overview of an Advanced Intraoperative Technology. Journal  
of Neurosurgery 115:4, 740-748. .  
[http://thejns.org/doi/abs/10.3171/2009.3.JNS081139?url\\_ver=Z39.88-2003&rfr\\_id=ori:rid:crossref.org&rfr\\_dat=cr\\_pub%3dpubmed](http://thejns.org/doi/abs/10.3171/2009.3.JNS081139?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed)

### **Importance of intraoperative magnetic resonance -**

Apr 25, 2012 Intraoperative advanced magnetic Advanced display technology with superimposition of The benefit of neuronavigation for neurosurgery analysed by

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3400495/>

### **UPMC Center for Clinical Neurophysiology -**

and procedures provided by the UPMC Center for Clinical Neurophysiology, Neurosurgery: About Us: Contact Us Advanced Monitoring Technology. Intraoperative

<http://upmc.com/Services/neurosurgery/neurophysiology/Pages/default.aspx>

### **Brainlab Surgery Platforms and Software -**

Brainlab technology is in use in over 3,000 including neurosurgery. Brainlab offers platforms and software to Airo Mobile Intraoperative CT is designed for

<https://www.brainlab.com/en/surgery-products/>

### **Neurosurgery Simulation Technology - Icahn School -**

The Neurosurgery Simulation Core works with cutting Technology. The Neurosurgery Simulation Core works with cutting and Surgical Navigation Advanced

<http://icahn.mssm.edu/research/programs/neurosurgery-simulation-core/technology>

### **Use of High-Field Intraoperative Magnetic -**

Intraoperative magnetic resonance imaging guided technology in the surgical intraoperative high-field magnetic resonance imaging. Neurosurgery

[http://journals.lww.com/neurosurgery/Fulltext/2014/04000/Use\\_of\\_High\\_Field\\_Intraoperative\\_Magnetic.9.aspx](http://journals.lww.com/neurosurgery/Fulltext/2014/04000/Use_of_High_Field_Intraoperative_Magnetic.9.aspx)

### **Neurosurgery | Sentara Healthcare -**

We offer experience with the latest intraoperative technology, advanced surgical techniques and most complex cases. Treatment at Sentara Neurosurgery Specialists:

<http://www.sentara.com/hampton-roads-virginia/medicalservices/services/neurosciences/services/neurosurgery.aspx>

### **Neurosurgery Lexington, Kentucky (KY) - -**

sophisticated technology available. Advanced stereotactic instrumentation, microsurgical techniques and intraoperative monitoring neurosurgery include

<http://www.kentuckyonehealth.org/neurosurgery>

### **Advanced Computer-aided Intraoperative -**

Advanced Computer-aided Intraoperative Technologies for Information-guided Surgical Management of Gliomas: Further progress in advanced robotic neurosurgery;

<http://cat.inist.fr/?aModele=afficheN&cpsidt=20666582>

### **Intraoperative MRI at University of Michigan | -**

The University of Michigan neurosurgery team uses a special type of technology known as Intraoperative Magnetic Resonance Imaging Intraoperative MRI

<http://www.uofmhealth.org/medical-services/brain-neurological-conditions/brain-cancer-and-tumors/intraoperative-mri-university-michigan>

### **Intraoperative A-Mode Echoencephalography in -**

Advanced Intraoperative Technologies in Neurosurgery. 1986, pp 20-26 Intraoperative A-Mode Echoencephalography in Neurosurgery Victor A. Fasano show all 1 hide

[http://link.springer.com/chapter/10.1007/978-3-7091-8810-1\\_2](http://link.springer.com/chapter/10.1007/978-3-7091-8810-1_2)

### **Surgical Technology | OHSU Dept of Neurosurgery | -**

Intraoperative Computed Tomography. This new technique uses advanced medical imaging to improve the use of stereotactic neurosurgery and computer technology,

<http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/neurosurgery/about/surgical-technology.cfm>

### **ABOUT - georgesamandouras -**

The National Hospital for Neurology and Neurosurgery, with the latest technology including advanced neuronavigation systems, intraoperative MRI,

<http://www.advanced-neurosurgery.com/about/4563121640>

### **Intraoperative MRI at Barnes-Jewish Hospital -**

We are one of few hospitals in the world with access to intraoperative precision in complicated neurosurgery advanced technology is coupled

<http://www.barnesjewish.org/neurosciences/intraoperative-mri>

### **Advanced Neurosurgery Technologies - Detroit -**

Advanced Neurosurgery Technologies at Detroit Medical Center. DMC Jobs |

<https://www.dmc.org/?id=2156&sid=1>

## **Imaging for the Neurosurgery Department - -**

The Department of Neurosurgery uses state-of-the-art imaging technology when performing Imaging for the Neurosurgery Department. with a true intraoperative

<http://www.cedars-sinai.edu/Patients/Programs-and-Services/Neurosurgery/Conditions-and-Treatments/Diagnostics/Imaging-for-the-Neurosurgery-Department.aspx>

## **About Neurosurgery Simulation Core - Icahn School -**

feedback neurosurgical simulators and advanced intraoperative and intraoperative simulation and visualization technologies. Neurosurgery Simulation Core

<http://icahn.mssm.edu/research/programs/neurosurgery-simulation-core/about-the-program>

## **Recent advances: Neurosurgery - PubMed Central -**

Advanced; Journal list; Help; new technology, on which neurosurgery has always depended, Maciunas RJ.

Intraoperative cranial navigation.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1114533/>

## **Technological Convergence in the Neurosurgical -**

Technological Convergence in the Neurosurgical Operating Room et al. have sought to connect advanced intraoperative with other intraoperative technologies

[http://www.worldneurosurgery.org/article/S1878-8750\(10\)00208-1/pdf](http://www.worldneurosurgery.org/article/S1878-8750(10)00208-1/pdf)

## **Advanced Technologies | BrainsSUITE | Minimally -**

minimally invasive neurosurgery techniques and technologies. Advanced technology alone does not multimodality intraoperative magnetic

<http://www.cincinnatichildrens.org/service/n/neurosurgery/advanced-technologies/>

## **Neurosurgery | Florida Hospital for Children -**

suite with accurate precision operating rooms equipped with state-of-the-art neuro-navigation technology Florida Hospital The skill to Neurosurgery Was

<https://www.floridahospital.com/children/neuroscience/neurosurgery>

## **Intraoperative Imaging | M. Necmettin Pamir | -**

Intraoperative imaging technologies have taken an ever  
Intraoperative Imaging in Neurosurgery: From Intraoperative  
Angiography to Advanced

<http://www.springer.com/us/book/9783211996508>

## **Department of Neurological Surgery - Saint Louis -**

Welcome to the Department of Neurosurgery at Saint with some  
of the most advanced technologies (including intraoperative  
MRI, and MEG technologies)

<http://neurosurgery.slu.edu/index.php?mact=News,m6c8eb,default,1&m6c8ebnumber=3&m6c8ebdetailpage=news&m6c8ebcategory=general&m6c8ebpagenumber=7&m6c8ebreturnid=15&m6c8ebreturnid=15&page=15>

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