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Title	Author	Year	Journal	Keywords	Link
Feasibility of a hybrid technique combining dynamic conformal and volumetric-modulated arcs for single-fraction stereotactic radiosurgery of multiple brain tumours: A clinical case study	Abdul-Hadi T et al.	2026	Cancer Radiother.		<a href="#">Go to article</a>
Postoperative fractionated stereotactic radiotherapy for completely resected brain metastases with 25 Gy in five fractions: A single-center retrospective study	Maier S et al.	2026	Clinical and Translational Radiation Oncology		<a href="#">Go to article</a>
Long-Term Outcomes and Symptom Response Following Hypofractionated Stereotactic Radiotherapy (hSRT) for Intracranial Meningioma	Shah R et al.	2026	World Neurosurg.		<a href="#">Go to article</a>
Linear Accelerator Mask-Based Radiosurgery for Trigeminal Neuralgia: Prospective Evaluation of 50 Patients	Rosselló A et al.	2026	World Neurosurg.		<a href="#">Go to article</a>
Comparison of linac-based (BrainLab) single-isocenter dynamic conformal arc (DCA) and CyberKnife treatment planning techniques for stereotactic radiotherapy of multiple brain metastases	Nezahat Olacak et al.	2026	Radiation Physics and Chemistry.		<a href="#">Go to article</a>
Evaluation of the surface-guided radiotherapy workflow accuracy and plausibility of deep inspiration breath hold technique implementation: A phantom study	Su Chul Han et al.	2026	Radiation Physics and Chemistry.		<a href="#">Go to article</a>
Feasibility and utility of a tablet-based digital neurocognitive assessment following radiosurgery for brain metastases	Akdemir EY et al.	2026	Sci Rep.		<a href="#">Go to article</a>
Assessing the technical capability of a room- and a gantry-mounted kV imaging device for intra-fractional fluoroscopy during stereotactic lung radiotherapy at a C-arm linear accelerator	Hannah Jungr euthmayer et al.	2026	Physics and Imaging in Radiation Oncology		<a href="#">Go to article</a>
Longitudinal remodeling of brain metastasis resection cavities after adjuvant gamma knife radiosurgery	Goulenko V et al.	2026	J Neurooncol.		<a href="#">Go to article</a>



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Periodic intrafraction image-guided focal dose-escalated stereotactic body radiotherapy for prostate carcinoma on a standard linear accelerator	Marco Serpa et al.	2026	Physics and Imaging in Radiation Oncology		<a href="#">Go to article</a>
Independent Six-degree-of-freedom Accuracy Evaluation of BrainLab ExacTrac Dynamic and Varian CBCT Systems in Stereotactic Radiotherapy Using a Couch-based Reference	Deniz Yalman et al.	2026	Turk J Oncol.		<a href="#">Go to article</a>
Clinical Workflow of Spine Stereotactic Radiotherapy and Radiosurgery: Insights from a Single-Institution Physics Perspective	Mackin D et al.	2026	Cancers (Basel).		<a href="#">Go to article</a>
Improvement in positional accuracy with integrated surface- and X-ray imaging for intracranial stereotactic radiosurgery patients	Caisa Kjellström et al.	2026	Physics and Imaging in Radiation Oncology		<a href="#">Go to article</a>
To shift or not to shift: identifying and correcting patient motion after couch rotations in non-coplanar intracranial radiosurgery with stereoscopic X-ray imaging	Da Silva Mendes V et al.	2026	J Appl Clin Med Phys.		<a href="#">Go to article</a>
High-Dose Stereotactic Re-Irradiation of Recurrent High-Grade Gliomas: Clinical Outcome and Experience with AI-Based Target Volume Simulation	Früh A et al.	2025	Cancers (Basel).		<a href="#">Go to article</a>
Stereotactic Radiosurgery for Patients With Five or More Brain Metastases: Retrospective Single-Institution Analysis of Prognostic Factors	Milano MT et al.	2025	Cureus.		<a href="#">Go to article</a>
Local Control After Single-Isocenter Dynamic Conformal Arc SRS for Brain Metastases	Blok M et al.	2025	Cancers (Basel).		<a href="#">Go to article</a>
Bilateral Medial Thalamotomy and Anterior Cingulotomy With Gamma Knife Radiosurgery for Refractory Pain: A Case Report	Torres Monterrosa J et al.	2025	Cureus.		<a href="#">Go to article</a>
Individualised connectomic-guided radiosurgical thalamotomy for chronic pain	Lovo E et al.	2025	Br J Neurosurg.		<a href="#">Go to article</a>



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Connectome Analysis of the Nucleus Accumbens: Refining Radiosurgical Targeting for Addictive Disorders	Chang JE et al.	2025	Cureus.		<a href="#">Go to article</a>
Evaluation of two treatment planning systems for single isocenter multiple metastases stereotactic radiosurgery treatment planning and delivery	Tichacek CJ et al.	2025	Med Dosim.		<a href="#">Go to article</a>
Five-year evaluation of linear accelerator-based SRS platform isocentricity	Walter YA et al.	2025	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Commissioning of a combined stereoscopic x-ray and surface guided radiotherapy system for performing breath hold gated lung radiotherapy	Baltz GC, Kirsner SM	2025	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Workflow evaluation of surface-guided patient preposition in radiotherapy	Mikkel Skaarup, Nikolaj Kylling Gyldenløve Jensen	2025	Physics and Imaging in Radiation Oncology		<a href="#">Go to article</a>
Impact of intrafraction fiducial tracking on planning target margins during prostate stereotactic body radiotherapy using Brainlab ExacTrac Dynamic with robotic couch correction	Worth M et al.	2025	J Appl Clin Med Phys.		<a href="#">Go to article</a>
A surgeon-controlled mode of robotic assistance with posterolateral approach helps achieve highly medialized cervical pedicle screw placement to avoid vertebral artery injury	Tani et al.	2025	European Spine Journal		<a href="#">Go to article</a>
Predictors of treatment response and overall survival in patients with breast cancer brain metastases treated with stereotactic radiosurgery: a prospective study using the NeuroPoint Alliance SRS Registry	Katsos K et al.	2025	J Neurosurg.		<a href="#">Go to article</a>
Producing high quality cranial SRS plans with 4Pi planning technique in a commercial clinical solution	Narayanasamy G et al.	2025	J Appl Clin Med Phys.		<a href="#">Go to article</a>



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Quantitative evaluation of neuroradiological and morphometric alteration of inferior Fronto-Occipital Fascicle across different brain tumor histotype: an Italian multicentric study	Altieri et al.	2025	Acta Neurochirurgica		<a href="#">Go to article</a>
Brainshift correction using navigated intraoperative ultrasound informs intraoperative decision-making during glioma surgery	Rai et al.	2025	Acta Neurochirurgica		<a href="#">Go to article</a>
Integrating a novel tablet-based digital neurocognitive assessment tool in brain metastases patients	Menendez MAR et al.	2025	J Neurooncol.		<a href="#">Go to article</a>
Commissioning of a reference beam model-based Monte Carlo dose calculation algorithm for cranial stereotactic radiosurgery	Walter YA et al.	2025	Phys Med.		<a href="#">Go to article</a>
Improving dose delivery in non-coplanar cranial SRS: Stereoscopic x-ray-guided mitigation of table walkout errors	Walter YA et al.	2025	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Evaluation of an updated pencil beam algorithm for enhanced dosimetric accuracy in stereotactic radiotherapy	Retif P et al.	2025	Phys Med.		<a href="#">Go to article</a>
Quality of life after stereotactic radiosurgery for brain metastasis: an assessment from a prospective national registry	Pham DQ et al.	2025	J Neurooncol.		<a href="#">Go to article</a>
Evaluating the diagnostic ability of treatment response assessment maps (TRAMs)/contrast clearance analysis (CCA) in predicting the presence of active brain tumors	Alkhatatneh H et al.	2025	Neuroradiol J.		<a href="#">Go to article</a>
Evaluation of MRI technologies for surgical spine planning and navigation	Rommelspacher et al.	2025	European Spine Journal		<a href="#">Go to article</a>
Single and multitarget stereotactic radiosurgery (SRS) with single isocenter in the treatment of multiple brain metastases (BM): institutional experience	Ciérvide R et al.	2025	Clin Transl Oncol.		<a href="#">Go to article</a>



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Use of a virtual phantom to assess the capability of a treatment planning system to perform magnetic resonance image distortion correction	Diaz Moreno RM et al.	2025	Phys Eng Sci Med.		<a href="#">Go to article</a>
Effect of prescription isodose line on tissue sparing in linear accelerator-based stereotactic radiosurgery treating multiple brain metastases using dynamic conformal arcs	Walter YA et al.	2024	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Five-year evaluation of linear accelerator-based SRS platform isocentricity	Walter YA et al.	2024	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Automatic Image Registration Provides Superior Accuracy Compared with Surface Matching in Cranial Navigation	Frisk et al.	2024	Sensors (Basel, Switzerland)		<a href="#">Go to article</a>
Impact of MLC error on dose distribution in SRS treatment of single-isocenter multiple brain metastases: Comparison between DCAT and VMAT techniques	Katayama et al.	2024	Reports of Practical Oncology and Radiotherapy		<a href="#">Go to article</a>
Intraoperative visualization of cerebral aneurysms using navigated 3D-ultrasound power-Doppler angiography	Šteňo et al.	2024	Acta neurochirurgica		<a href="#">Go to article</a>
Hybrid-3D robotic suite in spine and trauma surgery - experiences in 210 patients	Haida et al.	2024	Journal of Orthopaedic Surgery and Research		<a href="#">Go to article</a>
Imaging-Guided Subthalamic Nucleus Deep Brain Stimulation Programming for Parkinson Disease: A Real-Life Pilot Study	Aubignat et al.	2024	Neurology. Clinical practice		<a href="#">Go to article</a>
Lesioning the Brain-From Serendipity to Science	Sugrue et al.	2024	JAMA Neurology		<a href="#">Go to article</a>
Image-guided programming deep brain stimulation improves clinical outcomes in patients with Parkinson's disease	Torres et al.	2024	NPJ Parkinson's disease		<a href="#">Go to article</a>
The Use of Image Guided Programming to Improve Deep Brain Stimulation Workflows with Directional Leads in Parkinson's Disease	Rolland et al.	2024	Journal of Parkinson's disease		<a href="#">Go to article</a>



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Surgical Navigation and CAD-CAM-Designed PEEK Prosthesis for the Surgical treatment of facial intraosseous vascular anomalies.	Dean et al.	2024	Journal of Clinical Medicine		<a href="#">Go to article</a>
Early experience with an artificial intelligence-based module for brain metastasis detection and segmentation	Madhugiri	2024	Journal of Neuro-Oncology		<a href="#">Go to article</a>
Intraoperative cone-beam computed tomography for catheter placement verification in pediatric hydrocephalus: technical note - PubMed (nih.gov)	Krause et al.	2024	Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery		<a href="#">Go to article</a>
Platzierung von Pedikelschrauben mit einem Augmented-Reality-Head-Mounted-Display in einem Schweinmodell	Henrik Frisk	2024	JOVE JOURNAL Medizin		<a href="#">Go to article</a>
Technique, Safety, and Accuracy Assessment of Percutaneous Pedicle Screw Placement Utilizing Computer-Assisted Navigation in Lateral Decubitus Single-Position Surgery	Anna-Katharina Calek	2024	International Journal of Spine Surgery		<a href="#">Go to article</a>
Navigation and robotic-assisted single-position prone lateral lumbar interbody fusion: preliminary results of the first cases in Brazil - PubMed (nih.gov)	Rodrigo de Souza Lima	2024	World Neurosurgery		<a href="#">Go to article</a>
Evaluating stereotactic accuracy with patient-specific MRI distortion corrections for frame-based radiosurgery	Knill C et al.	2024	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Streamlining streamlines: Probabilistic versus deterministic tractography algorithms in two CE marked software packages - ScienceDirect	Jessica Fitzpatrick	2024	Physica Medica		<a href="#">Go to article</a>
Navigated Intraoperative Ultrasound Offers Effective and Efficient Real-Time Analysis of Intracranial Tumor Resection and Brain Shift - PubMed (nih.gov)	West et al.	2024	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>



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Navigated intraoperative ultrasound in pediatric brain tumors - PubMed (nih.gov)	Klein Gunnewiek et al.	2024	Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery		<a href="#">Go to article</a>
Comparison of Cervical Pedicle Screw Placement Accuracy With Robotic Guidance System Versus Image Guidance System Using Propensity Score Matching	Yamamoto et al.	2024	Clinical spine surgery		<a href="#">Go to article</a>
Enabling Navigation and Augmented Reality in the Sitting Position in Posterior Fossa Surgery Using Intraoperative Ultrasound	Bopp et al.	2024	Cancers		<a href="#">Go to article</a>
Augmented Reality in Spine Surgery: A Case Study of Atlantoaxial Instrumentation in Os Odontoideum	Li et al.	2024	Medicina		<a href="#">Go to article</a>
The Importance of Planning Ahead: A Three-Dimensional Analysis of the Novel Trans-Facet Corridor for Posterior Lumbar Interbody Fusion Using Segmentation Technology	Tabarestani et al.	2024	World neurosurgery		<a href="#">Go to article</a>
Combined use of 3D printing and mixed reality technology for neurosurgical training: getting ready for brain surgery	Jeising et al.	2024	Neurosurgical focus		<a href="#">Go to article</a>
Mixed reality compared to the traditional ex cathedra format for neuroanatomy learning: the value of a three-dimensional virtual environment to better understand the real world	Sandralegar et al.	2024	Neurosurgical focus		<a href="#">Go to article</a>
Single isocenter dynamic conformal arcs-based radiosurgery for brain metastases: Dosimetric comparison with Cyberknife and clinical investigation	Yoshiko Oshiro	2024	Technical Innovations & Patient Support in Radiation Oncology		<a href="#">Go to article</a>
Effect of prescription isodose line on tissue sparing in linear accelerator-based stereotactic radiosurgery treating multiple brain metastases using dynamic conformal arcs	Walter YA	2024	J Appl Clin Med Phys.		<a href="#">Go to article</a>



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The NeuroPoint alliance SRS & tumor QOD registries	Sheehan JP et al.	2024	J Neurooncol.		<a href="#">Go to article</a>
MRI Treatment Response Assessment Maps (TRAMs) for differentiating recurrent glioblastoma from radiation necrosis	Müller SJ et al.	2024	J Neurooncol.		<a href="#">Go to article</a>
Intrafractional motion detection for spine SBRT via X-ray imaging using ExacTrac Dynamic	Johannes Muecke	2024	Clinical and Translational Radiation Oncology		<a href="#">Go to article</a>
Contrast Clearance Analysis (CCA) to Assess Viable Tumour following Stereotactic Radiosurgery (SRS) to Brain Metastasis in Non-Small Cell Lung Cancer (NSCLC)	Mohamedkhan et al.	2024	Cancers		<a href="#">Go to article</a>
Assessing the impact of distortion correction on Gamma Knife radiosurgery for multiple metastasis: Volumetric and dosimetric analysis	Yavuz Samanci et al.	2024	Brain and Spine		<a href="#">Go to article</a>
Using Augmented Reality Technology to Optimize Transfacet Lumbar Interbody Fusion: A Case Report	Bardeesi et al.	2024	JCM (Journal of Clinical Medicine)		<a href="#">Go to article</a>
Automatic image registration on intraoperative CBCT compared to Surface Matching registration on preoperative CT for spinal navigation: accuracy and workflow	Frisk et al.	2024	International journal of computer assisted radiology and surgery		<a href="#">Go to article</a>
Improving the efficiency of single-isocenter multiple metastases stereotactic radiosurgery treatment	Jonathan J Wyatt	2024	Advances in Radiation Oncology		<a href="#">Go to article</a>
Intraoperative Cone-Beam Computed Tomography Navigation Versus 2-Dimensional Fluoroscopy in Single-Level Lumbar Spinal Fusion: A Comparative Analysis	Gianluca Vadalà	2024	Neurospine		<a href="#">Go to article</a>
Enhancing outcomes in deep brain stimulation: a comparative study of direct targeting using 7T versus 3T MRI	Middlebrooks et al.	2024	Journal of neurosurgery		<a href="#">Go to article</a>



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Connectivity-based segmentation of the thalamic motor region for deep brain stimulation in essential tremor: A comparison of deterministic and probabilistic tractography	Tsolaki et al.	2024	NeuroImage: Clinical		<a href="#">Go to article</a>
Histopathological correlation of brain tumor recurrence vs. radiation effect post-radiosurgery as detected by MRI contrast clearance analysis: a validation study	Goulenko V et al.	2024	J Neurooncol.		<a href="#">Go to article</a>
What effective technique to differentiate radiation brain necrosis from a tumor progression in patients treated with radiation: A monocentric retrospective study combining the MRI TRAMs technique and the (18F)-dopa PET/CT	Lakehayli Z et al.	2023	Cancer Radiother.		<a href="#">Go to article</a>
Feasibility of local field potential-guided programming for deep brain stimulation in Parkinson's disease: A comparison with clinical and neuro-imaging guided approaches in a randomized, controlled pilot trial	Binder et al.	2023	Brain stimulation		<a href="#">Go to article</a>
Cirq® robotic assistance for percutaneous kyphoplasty of C1: report on feasibility	Meyer et al.	2023	Acta neurochirurgica		<a href="#">Go to article</a>
Initial End-to-End testing of the ExacTrac Dynamic Deep Inspiration Breath Hold workflow using a breath hold breast phantom	Simon Goodall	2023	Preprint Under Review in Physical and Engineering Sciences in Medicine		<a href="#">Go to article</a>
Pinless Electromagnetic Neuronavigation During Awake Craniotomies: Technical Pearls, Pitfalls, and Nuances	Edward Harwick	2023	World Neurosurgery		<a href="#">Go to article</a>
Cochlear sparing in LINAC-based radiosurgery for vestibular schwannoma: a dosimetric comparison of dynamic conformal arc, IMRT and VMAT treatment plans	Khong J	2023	Radiat Oncol.		<a href="#">Go to article</a>
Cirq® robotic assistance for thoracolumbar pedicle screw placement – feasibility, accuracy, and safety	Gabrovsky Nikolay et al.	2023	Brain and Spine		<a href="#">Go to article</a>



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Simultaneous Anterior Posterior Approach for Single-Position Lateral Lumbar Interbody Fusion with Robotic Assistance: Technical Guidelines and Early Outcomes	Ghenbot et al.	2023	World neurosurgery		<a href="#">Go to article</a>
Automatic rigid image Fusion of preoperative MR and intraoperative US acquired after craniotomy	Edoardo Mazzucchi	2023	Cancer Imaging		<a href="#">Go to article</a>
A sub-analysis of multi-center planning radiosurgery for intracranial metastases through automation (MC-PRIMA) comparing UK and international centers	Mark K.H. Chan	2023	Medical Engineering and Physics		<a href="#">Go to article</a>
Evaluation of a dedicated software for semi-automated VMAT planning of spine Stereotactic Body Radiotherapy (SBRT)	Dupuis P	2023	Phys Med.		<a href="#">Go to article</a>
Every-other-day vs once-a-week urethra-sparing prostate SBRT: 5-year results of a randomized phase II trial	Zilli T	2023	Int J Radiat Oncol Biol Phys.		<a href="#">Go to article</a>
Dosimetric Effects of Dynamic Jaw Tracking and Collimator Angle Optimization in Non-Coplanar Cranial Arc Radiotherapy	Knill C	2023	Med Dosim.		<a href="#">Go to article</a>
Navigation-guided resection of locally advanced midface malignancies. Does it improve the safety of oncologic resection?	Ranz-Colio Álvaro et al.	2023	Oral oncology		<a href="#">Go to article</a>
Commissioning and validation of a Monte Carlo algorithm for spine stereotactic radiosurgery	Knill C	2023	J Appl Clin Med Phys.		<a href="#">Go to article</a>
Navigated, percutaneous, three-step technique for lumbar and sacral screw placement: a novel, minimally invasive, and maximally safe strategy	La Rocca et al.	2023	Journal of orthopaedics and traumatology		<a href="#">Go to article</a>
Robotic alignment system Cirq (Brainlab) for navigated brain tumor biopsies in children	van Baarsen et al.	2023	Child's nervous system		<a href="#">Go to article</a>
Dynamic intrafractional position monitoring with implanted fiducial markers for enhanced accuracy in radiotherapy of prostate cancer	Mangesius J	2023	Phys Eng Sci Med.		<a href="#">Go to article</a>



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Gantry triggered X-ray verification during single-isocenter stereotactic radiosurgery: Increased certainty for a no-margin strategy	Gutiérrez A	2023	Radiother Oncol.		<a href="#">Go to article</a>
Hypofractionated stereotactic radiotherapy (HFSRT) versus single fraction stereotactic radiosurgery (SRS) to the resection cavity of brain metastases after surgical resection (SATURNUS): study protocol for a randomized phase III trial	Waltenberger M	2023	BMC Cancer.		<a href="#">Go to article</a>
Preoperative tractography algorithm for safe resection of tumors located in the descending motor pathways zone	Ordonez-Rubiano et al.	2023	Surgical neurology international		<a href="#">Go to article</a>
Stereotactic radiosurgery in the management of non-small cell lung cancer brain metastases: a prospective study using the NeuroPoint Alliance Stereotactic Radiosurgery Registry	Michalopoulos GD et al.	2023	J Neurosurg.		<a href="#">Go to article</a>
ExacTrac X-Ray 6D Imaging During Stereotactic Body Radiation Therapy of Spinal and Nonspinal Metastases	Hadj Henni A	2023	Technol Cancer Res Treat.		<a href="#">Go to article</a>
Clinical experience of intra-fractional motion monitoring of patients under head and neck radiotherapy using ExacTrac Dynamic system	Vivian U.Y. Chow	2023	Advances in Radiation Oncology		<a href="#">Go to article</a>
Intraoperative Navigated Three-Dimensional Ultrasound Guidance Improves Resection in Gliomas Compared with Standard Two-Dimensional Ultrasound-Results from a Comparative Cohort Study	Moiyadi et al.	2023	World neurosurgery		<a href="#">Go to article</a>
Comparison of patient setup accuracy for optical surface-guided and X-ray-guided imaging with respect to the impact on intracranial stereotactic radiotherapy	Schöpe M	2023	Strahlenther Onkol.		<a href="#">Go to article</a>
Evaluation of PTV margins and plan robustness for single isocentre multiple target stereotactic radiosurgery	Lam CHM	2023	Phys Med.		<a href="#">Go to article</a>



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Accuracy of augmented reality-guided drainage versus stereotactic and conventional puncture in an intracerebral hemorrhage phantom model	Demerath et al.	2023	Journal of neurointerventional surgery		<a href="#">Go to article</a>
Urethra-sparing prostate cancer stereotactic body radiotherapy: sexual function and radiation dose to the penile bulb, the crura, and the internal pudendal arteries from a randomized phase 2 trial	Achard V	2023	Int J Radiat Oncol Biol Phys.		<a href="#">Go to article</a>
Using Novel Segmentation Technology to Define Safe Corridors for Minimally Invasive Posterior Lumbar Interbody Fusion	Troy Q Tabarestani	2023	Operative Neurosurgery		<a href="#">Go to article</a>
Advantages of computed tomography-based navigation in clipping distal anterior cerebral artery aneurysms: a retrospective cohort study	Han et al.	2023	Quantitative imaging in medicine and surgery		<a href="#">Go to article</a>
Predicting the need for cerebrospinal fluid shunt implantation after spontaneous intracerebral hemorrhage: a challenging task	Khalaveh et al.	2023	Frontiers in neurology		<a href="#">Go to article</a>
Impact on Brain Metastasis Survival after Recurrence Diagnose by Contrast Clearance Analysis	Goulenko et al.	2023	Cureus		<a href="#">Go to article</a>
Mixed Reality as a Teaching Tool for Medical Students in Neurosurgery	Silvero Isidre et al. (2023)	2023	Medicina		<a href="#">Go to article</a>
Usage of Object Matching Algorithms Combined with Mixed Reality for Enhanced Decision Making in Orbital Reconstruction-A Technical Note	Max Wilkat	2023	Journal of personalized medicine		<a href="#">Go to article</a>
A New Approach to Virtual Occlusion in Orthognathic Surgery Planning Using Mixed Reality-A Technical Note and Review of the Literature	Max Wilkat	2023	Journal of personalized medicine		<a href="#">Go to article</a>
Stereoscopic X-ray image and thermo-optical surface guidance for breast cancer radiotherapy in deep inspiration breath-hold	Buschmann M	2023	Strahlenther Onkol.		<a href="#">Go to article</a>



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PO-1883 Markerless SBRT for lung treatment using ExacTrac Dynamic: a feasibility study	T. Gevaert	2023	Radiotherapy and Oncology		<a href="#">Go to article</a>
PO-1884 Clinical implementation of ExacTrac Dynamic DIBH for left sided breast patients	T. Gevaert	2023	Radiotherapy and Oncology		<a href="#">Go to article</a>
PO-1909 Clinical evaluation of Exactrac Dynamic surface guided pre-positioning system for cranial treatments	J. Alonso Muriedas	2023	Radiotherapy and Oncology		<a href="#">Go to article</a>
Ten-step minimally invasive slalom unilateral laminotomy for bilateral decompression (sULBD) with navigation	Adelhoefer et al.	2023	BMC musculoskeletal disorders		<a href="#">Go to article</a>
Radiation doses and accuracy of navigated pedicle screw placement in cervical and thoracic spine surgery: a comparison of sliding gantry CT and mobile cone-beam CT in a homogeneous cohort	Lea Baumgart	2023	Journal of neurosurgery		<a href="#">Go to article</a>
Targeting Accuracy of the Leksell Vantage Stereotactic System for Deep Brain Stimulation Surgery: A Retrospective Review	Phillips et al.	2023	Oper Neurosurg (Hagerstown)		<a href="#">Go to article</a>
Intraoperative Local Field Potential Beta Power and Three-Dimensional Neuroimaging Mapping Predict Long-Term Clinical Response to Deep Brain Stimulation in Parkinson Disease: A Retrospective Study	Di Biase et al.	2023	Neuromodulation		<a href="#">Go to article</a>
Technical Note: Advantages of a 2-Room Intraoperative 3-Tesla Magnetic Resonance Imaging Operating Suite for Performing Laser Interstitial Thermal Therapy in Pediatric Epilepsy and Tumor Surgery	Tomschik et al.	2023	World Neurosurg		<a href="#">Go to article</a>
Accuracy and Utility of Frameless Stereotactic Placement of Stereoelectroencephalography Electrodes	Brimley, Shimony	2023	World Neurosurg.		<a href="#">Go to article</a>
Radiofrequency ablation of the pallidothalamic tract and ventral intermediate nucleus for dystonic tremor through the parietal approach	Shiro Horisawa	2023	Surgical Neurology International		<a href="#">Go to article</a>



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Deep Brain Stimulation Lead Localization Variability Comparing Intraoperative MRI Versus Postoperative Computed Tomography	Yearley et al.	2023	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Surgical planning, histopathology findings and postoperative outcome in MR-negative extra-temporal epilepsy using intracranial EEG, functional imaging, magnetoencephalography, neuronavigation and intraoperative MRI	Maslarova et al.	2023	Clinical neurology and neurosurgery		<a href="#">Go to article</a>
Airo® navigation versus freehand fluoroscopy technique: A comparative study of accuracy and radiological exposure for thoracolumbar screws placement	Chatelain	2023	Neurochirurgie		<a href="#">Go to article</a>
Intra-operative applications of augmented reality in glioma surgery: a systematic review	Ragnhildstveit et al.	2023	Frontiers in surgery		<a href="#">Go to article</a>
Intraoperative computed tomography-guided navigation for implant anchorage in spine surgery	Ralph Kothe	2023	Operative Orthopädie und Traumatologie		<a href="#">Go to article</a>
Reduction in CT scan number with the reference frame middle attachment method in intraoperative CT navigation for adolescent idiopathic scoliosis	Hiroki Oba	2023	European Spine Journal		<a href="#">Go to article</a>
Survey Assessment of Utility in Preoperative Magnetic Resonance (MR) Tractography Surgical Planning	Mayur Sharma	2023	World Neurosurgery		<a href="#">Go to article</a>
Treatment Time Optimization in Single Fraction Stereotactic Ablative Radiation Therapy: A 10-Year Institutional Experience	Gaudreault M et al.	2022	Adv Radiat Oncol.		<a href="#">Go to article</a>
Electrode placement for SEEG: Combining stereotactic technique with latest generation planning software for intraoperative visualization and postoperative evaluation of accuracy and accuracy predictors	Kogias et al.	2022	Clinical Neurology and Neurosurgery		<a href="#">Go to article</a>



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Factors associated with progression and mortality among patients undergoing stereotactic radiosurgery for intracranial metastasis: results from a national real-world registry	Alvi et al.	2022	Journal of Neurosurgery (published online ahead of print)		<a href="#">Go to article</a>
A dosimetric comparative analysis of Brainlab elements and Eclipse RapidArc for spine SBRT treatment planning	Garron Deshazer	2022	Biomed Phys Eng Express.		<a href="#">Go to article</a>
Use of virtual magnetic resonance imaging to compensate for brain shift during image-guided surgery: illustrative case	Kim et al.	2022	Journal of neurosurgery. Case lessons		<a href="#">Go to article</a>
Intraoperative integration of multimodal imaging to improve neuronavigation: a technical note	Mazzucchi et al.	2022	World neurosurgery		<a href="#">Go to article</a>
Tracking motor and language eloquent white matter pathways with intraoperative fiber tracking versus preoperative tractography adjusted by intraoperative MRI-based elastic fusion	Zhang et al.	2022	Journal of neurosurgery		<a href="#">Go to article</a>
Intraoperative MRI versus intraoperative ultrasound in pediatric brain tumor surgery: is expensive better than cheap? A review of the literature	Giussani C	2022	Child's Nervous System		<a href="#">Go to article</a>
Clinical Evaluation of an Auto-Segmentation Tool for Spine SBRT Treatment	Chen Y	2022	Front Oncol.		<a href="#">Go to article</a>
Evaluation of a Dedicated Software “Elements™ Spine SRS, Brainlab®” for Target Volume Definition in the Treatment of Spinal Bone Metastases With Stereotactic Body Radiotherapy	Rogé Maximilien	2022	Front Oncol.		<a href="#">Go to article</a>
Frameless Angiography-based GammaKnife Stereotactic Radiosurgery for Cerebral Arteriovenous Malformations: A Proof-of-Concept Study	Fadi Al Saiegh et al.	2022	World Neurosurgery		<a href="#">Go to article</a>



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MRI-based contrast clearance analysis shows high differentiation accuracy between radiation-induced reactions and progressive disease after cranial radiotherapy	R. Bodensohn et al.	2022	ESMO Open		<a href="#">Go to article</a>
Multi-center planning study of radiosurgery for intracranial metastases through Automation (MC-PRIMA) by crowdsourcing prior web-based plan challenge study	M.K.H. Chan	2022	Physica Medica		<a href="#">Go to article</a>
Single-isocenter stereotactic radiosurgery for multiple brain metastases: Impact of patient misalignments on target coverage in non-coplanar treatments	Michael Martin Eder	2022	Z Med Phys.		<a href="#">Go to article</a>
Comparison of three imaging and navigation systems regarding accuracy of pedicle screw placement in a sawbone model	Beisemann et al.	2022	Scientific reports		<a href="#">Go to article</a>
Single-isocenter multiple-target stereotactic radiosurgery for multiple brain metastases: dosimetric evaluation of two automated treatment planning systems	Giorgio Hamid Raza	2022	Radiat Oncol.		<a href="#">Go to article</a>
A phantom-based study and clinical implementation of Brainlab's treatment planning system for radiosurgical treatments of arteriovenous malformations	Nishan Shrestha et al.	2022	Biomed Phys Eng Express.		<a href="#">Go to article</a>
ExacTrac Dynamic workflow evaluation: Combined surface optical/thermal imaging and X-ray positioning	Vanessa Da Silva Mendes	2022	J Appl Clin Med Phys.		<a href="#">Go to article</a>
PO-1130 Stereotactic Radiosurgery for trigeminal neuralgia using Exactrac Dynamic. First experience	A. Corro Verde	2022	Radiotherapy and Oncology		<a href="#">Go to article</a>
Primary Orbital Reconstruction with Selective Laser Melting (SLM) of Patient-Specific Implants (PSIs): An Overview of 96 Surgically Treated Patients	Rana et al.	2022	Journal of clinical medicine		<a href="#">Go to article</a>



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Frameless Co-Registration of Biplane 2D Digital Subtraction Angiography Whole Frames and 3D Rotational Angiography-Based Cone-Beam Computed Tomography Angiogram on Dedicated Software for Stereotactic Radiosurgery of Cranial Vascular Malformations	Kazuhiro Ohtakara	2022	Cureus		<a href="#">Go to article</a>
Evaluation of the ability of the Brainlab Elements Cranial Distortion Correction algorithm to correct clinically relevant MRI distortions for cranial SRT	Paul Retif	2022	Strahlenther Onkol.		<a href="#">Go to article</a>
Navigated 3D ultrasound-guided resection of high-grade gliomas: A case series and review	Habib et al.	2022	Surgical neurology international		<a href="#">Go to article</a>
Intraoperative CT-guided navigation versus fuoroscopy for percutaneous pedicle screw placement in 192 patients: a comparative analysis	La Rocca et al.	2022	Journal of Orthopaedics and Traumatology		<a href="#">Go to article</a>
Optimized workflow to minimise intra-fractional motion during stereotactic body radiotherapy of spinal metastases	W.M. vanNiekerk	2022	Tecnical Innovations & Patient Support in Radiation Oncology		<a href="#">Go to article</a>
Adaptive Hybrid Surgery Experiences in Benign Skull Base Tumors	Jenny Christine Kienzler	2022	Brain Sci.		<a href="#">Go to article</a>
Safety and Feasibility of Augmented Reality Assistance in Minimally Invasive and Open Resection of Benign Intradural Extramedullary Tumors	Sommer et al.	2022	Neurospine		<a href="#">Go to article</a>
Augmented Reality to Improve Surgical Workflow in Minimally Invasive Transforaminal Lumbar Interbody Fusion – A Feasibility Study With Case Series	Sommer et al.	2022	Neurospine		<a href="#">Go to article</a>
Augmented Reality to Compensate for Navigation Inaccuracies	Bopp et al.	2022	Sensors		<a href="#">Go to article</a>
Personalized Medicine Workflow in Post-Traumatic Orbital Reconstruction	Sabelis et al.	2022	Journal of personalized medicine		<a href="#">Go to article</a>



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Postcentral Gyrus High-Grade Glioma: Maximal Safe Anatomic Resection Guided by Augmented Reality with Fiber Tractography and Fluorescein	Luzzi et al.	2022	World neurosurgery		<a href="#">Go to article</a>
Usability of mixed reality in awake craniotomy planning	Moon, Barua	2022	British journal of neurosurgery		<a href="#">Go to article</a>
Stimulation of the Presupplementary Motor Area Cluster of the Subthalamic Nucleus Predicts More Consistent Clinical Outcomes	Kähkölä et al.	2022	Neurosurgery		<a href="#">Go to article</a>
Combined use of multimodal techniques for the resection of glioblastoma involving corpus callosum	Cui et al.	2022	Acta neurochirurgica		<a href="#">Go to article</a>
Focused ultrasound using a novel targeting method four-tract tractography for magnetic resonance-guided high-intensity focused ultrasound targeting	Feltrin et al.	2022	Brain Communications		<a href="#">Go to article</a>
Pushing the boundaries of accuracy and reliability during stereotactic procedures: A prospective study on 526 biopsies comparing the frameless robotic and Image-Guided Surgery systems	Charles-Henry Mallereau	2022	J Clin Neurosci		<a href="#">Go to article</a>
SURG-04. Robotic alignment system Cirq (Brainlab) for navigated brain tumor biopsies in children	Kirsten van Baarsen	2022	Neuro Oncology		<a href="#">Go to article</a>
A framework for ExacTrac Dynamic commissioning for stereotactic radiosurgery and stereotactic ablative radiotherapy	Ben Perrett	2022	J Med Phys		<a href="#">Go to article</a>
Effectiveness of a cranial distortion correction software using a novel measurement method	Belloeil-Marrane et al.	2022	Journal of Radiosurgery and SBRT		<a href="#">Go to article</a>
The Importance of Distortion Correction in Stereotactic Radiosurgery for Trigeminal Neuralgia	Samanci et al.	2022	Journal of Radiosurgery and SBRT		<a href="#">Go to article</a>
Gantry triggered X-ray verification of patient positioning during single-isocenter stereotactic radiosurgery using ExacTrac Dynamic: Increasing certainty of lesion localization	Gutiérrez et al.	2022	Journal of Radiosurgery and SBRT		<a href="#">Go to article</a>



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Navigation Techniques in Endoscopic Spine Surgery	Hagan et al.	2022	BioMed research international		<a href="#">Go to article</a>
Pre-Operative Digital Templating Aids Restoration of Leg-Length Discrepancy and Femoral Offset in Patients Undergoing Total Hip Arthroplasty for Primary Osteoarthritis	Joshua Rui Yen Wong	2022	Cureus		<a href="#">Go to article</a>
Preoperative joint line convergence angle correction is a key factor in optimising accuracy in varus knee correction osteotomy	P. Behrendt	2022	Knee Surgery, Sports Traumatology, Arthroscopy		<a href="#">Go to article</a>
Atlantoaxial posterior screw fixation using intra-operative spinal navigation with three-dimensional isocentric C-arm fluoroscopy	Jannelli et al.	2022	International orthopaedics		<a href="#">Go to article</a>
Pedicle Screw Placement Using Intraoperative Computed Tomography and Computer-Aided Spinal Navigation Improves Screw Accuracy and Avoids Postoperative Revisions: Single-Center Analysis of 1400 Pedicle Screws	Hagan et al.	2022	World neurosurgery		<a href="#">Go to article</a>
Novel MIS 3D NAV Single Step Pedicle Screw System (SSPSS): Workflow, Accuracy and Initial Clinical Experience	Schmidt et al.	2022	Global Spine Journal		<a href="#">Go to article</a>
Automated optimization of deep brain stimulation parameters for modulating neuroimaging-based targets	Malekmoham madi M	2022	Journal of neural engineering		<a href="#">Go to article</a>
Shift detection discrepancy between ExacTrac Dynamic system and cone-beam computed tomography	Chow VUY	2022	Appl Clin Med Phys.		<a href="#">Go to article</a>
Treatment Response Assessment Maps (TRAMs), a new tool for CNS lymphoma	Millard T et al.	2022	EJHaem.		<a href="#">Go to article</a>
Producing High Quality Cranial SRS Plans with 4Pi Planning Technique	G Narayanasamy	2022	Medical Physics		<a href="#">Go to article</a>



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Augmented reality-assisted craniofacial reconstruction in skull base lesions - an innovative technique for single-step resection and cranioplasty in neurosurgery	Christine Steiert	2022	Neurosurgical review		<a href="#">Go to article</a>
Advances and Innovations in Ablative Head and Neck Oncologic Surgery Using Mixed Reality Technologies in Personalized Medicine	Nadia Karnatz	2022	Journal of clinical medicine		<a href="#">Go to article</a>
Resolving dyskinesias at sustained anti-OCD efficacy by steering of DBS away from the anteromedial STN to the mesencephalic ventral tegmentum - case report.	Coenen et al.	2022	Acta Neurochir (Wien)		<a href="#">Go to article</a>
Clinical efficiency of operating room-based sliding gantry CT as compared to mobile cone-beam CT-based navigated pedicle screw placement in 853 patients and 6733 screws	Ille et al.	2021	European spine journal		<a href="#">Go to article</a>
Intraoperative MRI-based elastic fusion for anatomically accurate tractography of the corticospinal tract: correlation with intraoperative neuromonitoring and clinical status	Ille et al.	2021	Neurosurgical focus		<a href="#">Go to article</a>
Large residual pilocytic astrocytoma after failed ultrasound-guided resection: intraoperative ultrasound limitations require special attention	Šteňo, Buvala	2021	World neurosurgery		<a href="#">Go to article</a>
Elastic Image Fusion Software to Coregister Preoperatively Planned Pedicle Screws With Intraoperative Computed Tomography Data for Image-Guided Spinal Surgery.	Schmidt et al.	2021	International journal of spine surgery		<a href="#">Go to article</a>
Tractography for Subcortical Resection of Gliomas Is Highly Accurate for Motor and Language Function: ioMRI-Based Elastic Fusion Disproves the Severity of Brain Shift.	Ille et al.	2021	Cancers		<a href="#">Go to article</a>
Initial Intraoperative Experience with Robotic-Assisted Pedicle Screw Placement with Cirq® Robotic Alignment: An Evaluation of the First 70 Screws	Pojskić et al.	2021	JCM		<a href="#">Go to article</a>



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Challenges and Opportunities of Intraoperative 3D Ultrasound With Neuronavigation in Relation to Intraoperative MRI	Bastos et al.	2021	Frontiers in oncology		<a href="#">Go to article</a>
Surgical strategies for older patients with glioblastoma	Barak et al.	2021	Journal of neuro-oncology		<a href="#">Go to article</a>
Do directional deep brain stimulation leads rotate after implantation?	Krüger et al.	2021	Acta neurochirurgica		<a href="#">Go to article</a>
A detailed analysis of anatomical plausibility of crossed and uncrossed streamline rendition of the dentato-rubro-thalamic tract (DRT(T)) in a commercial stereotactic planning system	Coenen et al.	2021	Acta neurochirurgica		<a href="#">Go to article</a>
Reduced Programming Time and Strong Symptom Control Even in Chronic Course Through Imaging-Based DBS Programming	Lange et al.	2021	Front. Neurol. (Frontiers in Neurology)		<a href="#">Go to article</a>
Imaging-based programming of subthalamic nucleus deep brain stimulation in Parkinson's disease	Waldthaler et al.	2021	Brain stimulation		<a href="#">Go to article</a>
Application of Augmented Reality in Percutaneous Procedures-Rhizotomy of the Gasserian Ganglion	Rau et al.	2021	Operative Neurosurgery		<a href="#">Go to article</a>
Navigated Deep Brain Stimulation Surgery: Evaluating the Combined Use of a Frame-Based Stereotactic System and a Navigation System	Krüger et al.	2021	Stereotactic and functional neurosurgery		<a href="#">Go to article</a>
Longitudinal Assessment of Rotation Angles after Implantation of Directional Deep Brain Stimulation Leads	Lange et al.	2021	Stereotactic and functional neurosurgery		<a href="#">Go to article</a>
Intra-Fraction Motion Management for Radiosurgical Treatments of Trigeminal Neuralgia: Clinical Experience, Imaging Frequency, and Motion Analysis	Agazaryan et al.	2021	Cureus		<a href="#">Go to article</a>
Local failure after stereotactic radiosurgery (SRS) for intracranial metastasis: analysis from a cooperative, prospective national registry	Asher et al.	2021	J Neurooncol (Journal of Neuro-Oncology)		<a href="#">Go to article</a>



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Hypofractionated stereotactic radiotherapy for large brain metastases: Optimizing the dosimetric parameters	Brun et al.	2021	Cancer radiotherapie : journal de la Societe francaise de radiotherapie oncologique		<a href="#">Go to article</a>
Dosimetric study between a single isocenter dynamic conformal arc therapy technique and Gamma Knife radiosurgery for multiple brain metastases treatment: impact of target volume geometrical characteristics	Chea et al.	2021	Radiation oncology (London, England)		<a href="#">Go to article</a>
Commissioning cranial single-isocenter multi-target radiosurgery for the Versa HD	Knill et al.	2021	Journal of applied clinical medical physics		<a href="#">Go to article</a>
Accuracy of dose-volume metric calculation for small-volume radiosurgery targets	Stanley et al.	2021	Med. Phys. (Medical physics)		<a href="#">Go to article</a>
Single isocenter treatment planning techniques for stereotactic radiosurgery of multiple cranial metastases	Velten et al.	2021	Physics and Imaging in Radiation Oncology		<a href="#">Go to article</a>
Targeting for stereotactic radiosurgical thalamotomy based on tremor treatment response	Luo et al.	2021	Journal of neurosurgery		<a href="#">Go to article</a>
Reduction of inter-observer differences in the delineation of the target in spinal metastases SBRT using an automatic contouring dedicated system	Niccolò Giaj-Levra	2021	Radiat Oncol.		<a href="#">Go to article</a>
Analysis of potential time saving in brain arteriovenous malformation stereotactic radiosurgery planning using a new software platform	Guilherme Dabus	2021	Med Dosim.		<a href="#">Go to article</a>
Quality of Automated Stereotactic Radiosurgery Plans in Patients with 4 to 10 Brain Metastases	Petoukhova	2021	Cancers (Basel).		<a href="#">Go to article</a>
The Use of Treatment Response Assessment Maps in Discriminating Between Radiation Effect and Persistent Tumoral Lesion in Metastatic Brain Tumors Treated with Gamma Knife Radiosurgery	Selcuk Peker et al.	2021	World Neurosurg.		<a href="#">Go to article</a>



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Lower Limb Deformity and Gait Deviations Among Adolescents and Adults With X-Linked Hypophosphatemia	Gabriel T. Mindler	2021	Front. Endocrinol		<a href="#">Go to article</a>
KingMark's dual-marker versus a conventional single-marker templating system: is there a difference in accuracy of predicting final implant sizes and leg lengths?	Mohammad Al-Ashqar	2021	Eur J Orthop Surg Traumatol		<a href="#">Go to article</a>
Bone Lengthening with a Motorized Intramedullary Nail in 34 Patients with Posttraumatic Limb Length Discrepancies	Maxime Teulières	2021	PMC Journal		<a href="#">Go to article</a>
Case Report: Multimodal Functional and Structural Evaluation Combining Pre-operative nTMS Mapping and Neuroimaging With Intraoperative CT-Scan and Brain Shift Correction for Brain Tumor Surgical Resection	Senova et al.	2021	Frontiers in human neuroscience		<a href="#">Go to article</a>
Robotic Assistance for Minimally Invasive Cervical Pedicle Instrumentation: Report on Feasibility and Safety	Farah et al.	2021	World neurosurgery		<a href="#">Go to article</a>
Cirq robotic arm-assisted transpedicular instrumentation with intraoperative navigation: technical note and case series with 714 thoracolumbar screws	Chesney et al.	2021	Journal of robotic surgery		<a href="#">Go to article</a>
Simultaneous stereotactic radiosurgery of multiple brain metastases using single-isocenter dynamic conformal arc therapy: a prospective monocentric registry trial	Bodensohn et al.	2021	Strahlenther Onkol		<a href="#">Go to article</a>
Noninvasive Thalamotomy for Refractory Tremor by Frameless Radiosurgery	Mohamed H Khattab	2021	Int J Radiat Oncol Biol Phys.		<a href="#">Go to article</a>
Simultaneous radiosurgery for multiple brain metastases: technical overview of the UCLA experience	Nzhde Agazaryan	2021	Radiat Oncol.		<a href="#">Go to article</a>
Supratentorial high-grade gliomas: maximal safe anatomical resection guided by augmented reality high-definition fiber tractography and fluorescein	Luzzi et al.	2021	Neurosurgical focus		<a href="#">Go to article</a>



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PO-1752 Intrafractional motion detection for spine SBRT via X-ray imaging using ExacTrac Dynamic	J. Mücke	2021	Radiotherapy and Oncology		<a href="#">Go to article</a>
PO-1556 Evaluation of the new Brainlab ExacTrac Dynamic structured light positioning system	R. Astudillo	2021	Radiotherapy and Oncology		<a href="#">Go to article</a>
Elastic Image Fusion Software to Coregister Preoperatively Planned Pedicle Screws With Intraoperative Computed Tomography Data for Image-Guided Spinal Surgery	Franziska A. Schmidt	2021	International Journal of Spine Surgery		<a href="#">Go to article</a>
Comparing Fiducial-Based and Intraoperative Computed Tomography-Based Registration for Frameless Stereotactic Brain Biopsy	Benjamin Saß	2021	Stereotact Funct Neurosurg		<a href="#">Go to article</a>
Mobile intraoperative CT-assisted frameless stereotactic biopsies achieved singlemillimeter trajectory accuracy for deep-seated brain lesions in a sample of 7 patients	Oliver Bichsel	2021	BMC Neurol		<a href="#">Go to article</a>
Targeting the safe zones for cup position without fluoroscopic guidance in total hip arthroplasty: does the surgical approach affect the outcomes?	Carlo Trevisan	2021	European Journal of Orthopaedic Surgery & Traumatology		<a href="#">Go to article</a>
Reliability of a simple fluoroscopic image to assess leg length discrepancy during direct anterior approach total hip arthroplasty	Sandi Caus	2021	World Journal of Orthopedics		<a href="#">Go to article</a>
Evaluation of the implantation of transpedicular screws in spinal instrumentation with free-hand technique and navigation-assisted with intraoperative computed tomography: An analytical-positional study	González-Vargas et al.	2021	Neurocirugia		<a href="#">Go to article</a>
VarioGuide® frameless neuronavigation-guided stereoelectroencephalography in adult epilepsy patients: technique, accuracy and clinical experience	Ladisich B	2021	Acta neurochirurgica		<a href="#">Go to article</a>
Are treatment response assessment maps (TRAMs) and 18 F-choline positron emission tomography the future of central nervous system lymphoma imaging?	Kowa JY et al.	2021	Br J Haematol.		<a href="#">Go to article</a>



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Mixed reality in oral and maxillofacial surgery: a symbiosis of virtual and augmented reality or a pointless technological gadget?	Alexander K Bartella	2021	International journal of computerized dentistry		<a href="#">Go to article</a>
Intraoperative Computed Tomography and Finite Element Modelling for Multimodal Image Fusion in Brain Surgery	Riva et al.	2020	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Navigated intraoperative ultrasonography for brain tumors: a pictorial essay on the technique, its utility, and its benefits in neuro-oncology	Yeole et al.	2020	Ultrasonography (Seoul, Korea)		<a href="#">Go to article</a>
Augmented Reality in Superficial Temporal Artery to Middle Cerebral Artery Bypass Surgery: Technical Note	Rychen et al.	2020	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Augmented reality for the virtual dissection of white matter pathways	Ille et al.	2020	Acta neurochirurgica		<a href="#">Go to article</a>
Clinical Uses of Diffusion Tensor Imaging Fiber Tracking Merged Neuronavigation with Lesions Adjacent to Corticospinal Tract : A Retrospective Cohort Study	Yu et al.	2020	Journal of Korean Neurosurgical Society		<a href="#">Go to article</a>
Surgical workflow for fully navigated high sacral amputation in sacral chordoma	Goldberg et al.	2020	Neurosurgical review		<a href="#">Go to article</a>
Spine Surgery Supported by Augmented Reality	Carl et al.	2020	Global Spine Journal		<a href="#">Go to article</a>
Cirq® Robotic Assistance for Minimally Invasive C1-C2 Posterior Instrumentation: Report on Feasibility and Safety	Farah et al.	2020	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Evolving Navigation, Robotics, and Augmented Reality in Minimally Invasive Spine Surgery	Hussain et al.	2020	Global Spine Journal		<a href="#">Go to article</a>
Orbital floor symmetry after maxillectomy and orbital floor reconstruction with individual titanium mesh using computer-assisted navigation	Kang et al.	2020	Journal of plastic, reconstructive & aesthetic surgery : JPRAS		<a href="#">Go to article</a>
Application of Computer-Aided Navigation Technology in the Extraction of Foreign Body From the Face	Lan et al.	2020	The Journal of craniofacial surgery		<a href="#">Go to article</a>



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Three-Dimensional Accuracy of Bone Contouring Surgery for Zygomaticomaxillary Fibrous Dysplasia Using Virtual Planning and Surgical Navigation	Liu et al.	2020	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Removal of Orbital Metallic Foreign Bodies With Image-Guided Surgical Navigation	Zhao et al.	2020	Ophthalmic plastic and reconstructive surgery		<a href="#">Go to article</a>
Comparison of Automatic Segmentation Algorithms for the Subthalamic Nucleus	Polanski et al.	2020	Stereotactic and functional neurosurgery		<a href="#">Go to article</a>
Evaluation of Automatic Segmentation of Thalamic Nuclei through Clinical Effects Using Directional Deep Brain Stimulation Leads: A Technical Note	Krüger et al.	2020	Brain sciences		<a href="#">Go to article</a>
Novel Programming Features Help Alleviate Subthalamic Nucleus Stimulation-Induced Side Effects	Dayal et al.	2020	Movement disorders : official journal of the Movement Disorder Society		<a href="#">Go to article</a>
Intraoperative Stereotactic Frame Registration Using a Three-Dimensional Imaging System with and without Preoperative Computed Tomography for Image Fusion	Spatz et al.	2020	Stereotactic and functional neurosurgery		<a href="#">Go to article</a>
Deep brain stimulation and refractory freezing of gait in Parkinson's disease: Improvement with high-frequency current steering co-stimulation of subthalamic nucleus and substantia nigra	Golfrè Andreasi et al.	2020	Brain stimulation		<a href="#">Go to article</a>
Visualization of volume of tissue activated modeling in a clinical planning system for deep brain stimulation	Carl et al.	2020	Journal of neurosurgical sciences		<a href="#">Go to article</a>
Quality-of-life trajectories after stereotactic radiosurgery for brain metastases	Bunevicius et al.	2020	Journal of neurosurgery		<a href="#">Go to article</a>



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Positioning accuracy of a single-isocenter multiple targets SRS treatment: A comparison between Varian TrueBeam CBCT and Brainlab ExacTrac	Graulieres et al.	2020	Physica Medica		<a href="#">Go to article</a>
Dosimetric comparison of mono-isocentric and multi-isocentric plans for oligobrain metastases: A single institutional experience	Kuntz et al.	2020	Cancer radiotherapie : journal de la Societe francaise de radiotherapie oncologique		<a href="#">Go to article</a>
Patient-specific dose quality assurance of single-isocenter multiple brain metastasis stereotactic radiosurgery using PTW Octavius 4D	McCulloch et al.	2020	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
Time-Driven Activity-Based Costing Comparison of Stereotactic Radiosurgery to Multiple Brain Lesions Using Single-Isocenter Versus Multiple-Isocenter Technique	Parikh et al.	2020	International Journal of Radiation Oncology*Biolog*Physics		<a href="#">Go to article</a>
Effects of Multileaf Collimator Design and Function When Using an Optimized Dynamic Conformal Arc Approach for Stereotactic Radiosurgery Treatment of Multiple Brain Metastases With a Single Isocenter: A Planning Study	Taylor et al.	2020	Cureus		<a href="#">Go to article</a>
Evaluation of Elements Spine SRS Plan Quality for SRS and SBRT Treatment of Spine Metastases	Trager et al.	2020	Frontiers in oncology		<a href="#">Go to article</a>
Once-a-week or every-other-day urethra-sparing prostate cancer stereotactic body radiotherapy, a randomized phase II trial: 18 months follow-up results	Zilli et al.	2020	Cancer Medicine		<a href="#">Go to article</a>
SBRT in single or multiple spinal metastases: 36 Gy in 3 fractions given to GTV	Zunino et al.	2020	Radiocirurgia (Radiocirugía)		<a href="#">Go to article</a>
Digital Preop-planning of Total Hip Arthroplasties	Nicolas Reina	2020	N/A		<a href="#">Go to article</a>
Orthopedic Digital Planning for Total Hip Arthroplasties	Nicolas Reina	2020	N/A		<a href="#">Go to article</a>



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Should we employ preoperative templating in hip hemiarthroplasty after femoral neck fracture? A nested case-control study	Oriol Pujol	2020	Sage Journal		<a href="#">Go to article</a>
Initial Experience With Single-Isocenter Radiosurgery to Target Multiple Brain Metastases Using an Automated Treatment Planning Software: Clinical Outcomes and Optimal Target Volume Margins Strategy	Minniti et al.	2020	Advances in Radiation Oncology		<a href="#">Go to article</a>
Neurological outcome and memory performance in patients with 10 or more brain metastases treated with frameless linear accelerator (LINAC)-based stereotactic radiosurgery	Minniti et al.	2020	J Neurooncol (Journal of Neuro-Oncology)		<a href="#">Go to article</a>
Risk Assessment by Presurgical Tractography Using Navigated TMS Maps in Patients with Highly Motor- or Language-Eloquent Brain Tumors	Sollmann et al.	2020	Cancers		<a href="#">Go to article</a>
Accuracy and safety of pedicle screws implantation using Zeego and Brainlab navigation system in hybrid operation room	Fong et al.	2020	Formos J Surg		<a href="#">Go to article</a>
Feasibility of intraoperative computed tomography for endoscopic-assisted intraparenchymal hemorrhage evacuation	Potts, Jahromi	2020	Clinical neurology and neurosurgery		<a href="#">Go to article</a>
Is the Gothic Arch a reliable radiographic landmark for migration percentage in children with cerebral palsy?	Caesar Wek	2020	Journal of Children's Orthopaedics		<a href="#">Go to article</a>
PD-0435: Brainlab ExacTrac Dynamic – First pre-clinical validation of surface- and X-Ray positioning accuracy	V. Da Silva Mendes	2020	Radiotherapy and Oncology		<a href="#">Go to article</a>
Functional MRI in Children: Current Clinical Applications	Guerin et al.	2020	Seminars in pediatric neurology		<a href="#">Go to article</a>
Elastic Fusion Enables Fusion of Intraoperative Magnetic Resonance Imaging Data with Preoperative Neuronavigation Data	Negwer et al.	2020	World neurosurgery		<a href="#">Go to article</a>



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Diffuse infiltrative pontine glioma biopsy in children with neuronavigation, frameless procedure: A single center experience of 10 cases	A. Joud	2020	Neurochirurgie		<a href="#">Go to article</a>
Dosimetric Impact of Distortion Correction of MR Image Set for Cranial Stereotactic Radiation Treatments	R Sandhu	2020	American Association of Physicists in Medicine Virtual Meeting		<a href="#">Go to article</a>
Effect of Distortion to Radiosurgery Treatment Plans for Brain Metastases	Nadir Kucuk	2020	Cureus		<a href="#">Go to article</a>
Brainlab Spine SRS planning and verification, comparison with CyberKnife	C. Jones	2020	Radiotherapy and Oncology		<a href="#">Go to article</a>
Improving tractography in brainstem cavernoma patients by distortion correction	Sebastian Ille	2020	DGNC 2020 Meeting Abstract		<a href="#">Go to article</a>
Frequency of Large Intrafractional Target Motions During Spine Stereotactic Body Radiation Therapy	Jacqueline Wu	2020	Pract Radiat Oncol.		<a href="#">Go to article</a>
Spinal navigation for posterior cervical and cervicothoracic instrumentation	Richter, Ploux D	2019	Operative Orthopadie Traumatologie		<a href="#">Go to article</a>
Auf einem Gewebemodell basierende automatische Bildsegmentierung zur Konturierung von Risikoorganen in der Behandlungsplanung für spinale Metastasierung	Wittenstein et al.	2019	Strahlentherapie und Onkologie : Organ der Deutschen Rontgengesellschaft ... [et al]		<a href="#">Go to article</a>
Augmented Reality in Transsphenoidal Surgery	Carl et al.	2019	World neurosurgery		<a href="#">Go to article</a>
Use of Frameless Stereotactic Navigation System Combined with Intraoperative Magnetic Resonance Imaging and 5-Aminolevulinic Acid	Giordano et al.	2019	World neurosurgery		<a href="#">Go to article</a>
The role of frameless stereotactic biopsy in contemporary neuro-oncology: molecular specifications and diagnostic yield in biopsied glioma patients	Mader et al.	2019	Journal of neuro-oncology		<a href="#">Go to article</a>



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Frameless Stereotactic Navigation during Insular Glioma Resection using Fusion of Three-Dimensional Rotational Angiography and Magnetic Resonance Imaging	Dasenbrock et al.	2019	World neurosurgery		<a href="#">Go to article</a>
Frameless stereotactic biopsy for precision neurosurgery: diagnostic value, safety, and accuracy	Sciortino et al.	2019	Acta neurochirurgica		<a href="#">Go to article</a>
Brain Tumor-Enhancement Visualization and Morphometric Assessment: A Comparison of MPRAGE, SPACE, and VIBE MRI Techniques	Danieli et al.	2019	AJNR. American journal of neuroradiology		<a href="#">Go to article</a>
Primary orbital reconstruction with selective laser melted core patient-specific implants: overview of 100 patients	Rana et al.	2019	The British journal of oral & maxillofacial surgery		<a href="#">Go to article</a>
Combined Use of Diffusion Tractography and Advanced Intraoperative Imaging for Resection of Cervical Intramedullary Spinal Cord Neoplasms: A Case Series and Technical Note	Benjamin et al.	2019	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Standard navigation versus intraoperative computed tomography navigation in upper cervical spine trauma	Carl et al.	2019	International journal of computer assisted radiology and surgery		<a href="#">Go to article</a>
Implementation of augmented reality support in spine surgery	Carl et al.	2019	European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society		<a href="#">Go to article</a>
Minimal invasive percutaneous C1C2 fixation using an intraoperative 3D imaging-based navigation system on management of odontoid fractures	Meyer et al.	2019	World neurosurgery		<a href="#">Go to article</a>
Augmented reality in intradural spinal tumor surgery	Carl et al.	2019	Acta neurochirurgica		<a href="#">Go to article</a>



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Microscope-Based Augmented Reality in Degenerative Spine Surgery: Initial Experience	Carl et al.	2019	World neurosurgery		<a href="#">Go to article</a>
Navigated 3-Dimensional Intraoperative Ultrasound for Spine Surgery	Saß et al.	2019	World neurosurgery		<a href="#">Go to article</a>
Navigation Versus Fluoroscopy in Multilevel MIS Pedicle Screw Insertion: Separate Analysis of Exposure to Radiation of the Surgeon and of the Patients	Konieczny, Krauspe	2019	Clin Spine Surg (Clinical spine surgery)		<a href="#">Go to article</a>
Is bony attachment necessary for dynamic reference frame in navigation-assisted minimally invasive lumbar spine fusion surgery?	Lin et al.	2019	Computer assisted surgery (Abingdon, England)		<a href="#">Go to article</a>
Radiation exposure for the surgical team in a hybrid-operating room	Schuetze et al.	2019	Journal of robotic surgery		<a href="#">Go to article</a>
Quantitative assessment of symmetry recovery in navigation-assisted surgical reduction of zygomaticomaxillary complex fractures	Bao et al.	2019	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Application of Computer-Assisted Navigation System in Acute Zygomatic Fractures	Yang et al.	2019	Annals of plastic surgery		<a href="#">Go to article</a>
Automatic Segmentation of the Subthalamic Nucleus: A Viable Option to Support Planning and Visualization of Patient-Specific Targeting in Deep Brain Stimulation	Reinacher et al.	2019	Operative Neurosurgery		<a href="#">Go to article</a>
Understanding gamma ventral capsulotomy: Potential implications of diffusion tensor image tractography on target selectivity	Santos et al.	2019	Surgical neurology international		<a href="#">Go to article</a>



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Superolateral medial forebrain bundle deep brain stimulation in major depression: a gateway trial	Coenen et al.	2019	Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology		<a href="#">Go to article</a>
Adaptive hybrid surgery analysis (AHSA) for adjuvant gamma knife radiosurgery treatment of vestibular schwannoma residuals	Bartek et al.	2019	Clinical Neurology and Neurosurgery		<a href="#">Go to article</a>
Radiation-induced vascular malformations in the brain, mimicking tumor in MRI-based treatment response assessment maps (TRAMs)	Guez et al.	2019	Clinical and Translational Radiation Oncology		<a href="#">Go to article</a>
Single isocenter stereotactic radiosurgery for patients with multiple brain metastases: dosimetric comparison of VMAT and a dedicated DCAT planning tool	Hofmaier et al.	2019	Radiat Oncol (Radiation Oncology)		<a href="#">Go to article</a>
A dosimetric analysis of a spine SBRT specific treatment planning system	Saenz et al.	2019	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
The impact of the three degrees-of-freedom fiducial marker-based setup compared to soft tissue-based setup in hypofractionated intensity-modulated radiotherapy for prostate cancer	Tanabe et al.	2019	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
Geometric planning in vertebral and pelvic complex surgery: sufficient number of evaluating parameters proving	Anna S. Kolesnikova	2019	SPIE		<a href="#">Go to article</a>
Growth modulation in idiopathic angular knee deformities: is it predictable?	B Danino	2019	Bone& Joint publishing		<a href="#">Go to article</a>
Improving the accuracy of digital templating: achieving success through stakeholder management	Hammad Parwaiz	2019	BMJ Open Qual		<a href="#">Go to article</a>



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Preoperative Evaluation of Intramedullary Tibial Nail Measurements—A Review of the Literature and a New Technique Using Contralateral Radiographs and Digital Planning	Eran Keltz	2019	AAOS		<a href="#">Go to article</a>
Subcutaneous Radiographic Measurement: A Marker to Evaluate Surgical Site Infection Risk in Elderly Hip Fracture Patients	Martí Bernaus	2019	JBJS		<a href="#">Go to article</a>
Templating Hip Arthroplasty	Amro Alnahhal	2019	Open Access Maced J Med Sci.		<a href="#">Go to article</a>
Reliable navigation registration in cranial and spine surgery based on intraoperative computed tomography	Carl et al.	2019	Neurosurgical focus		<a href="#">Go to article</a>
EP-2055 Impact of patient-specific MRI distortion correction for stereotactic cranial target definition	Gevaert et al.	2019	Radiotherapy and Oncology		<a href="#">Go to article</a>
Safety and Efficacy of Posterior Atlanto-Axial Stabilization Using Intraoperative Navigation System with Preoperative Computed Tomographic Scan	Fiorenza, Ascanio	2019	World neurosurgery		<a href="#">Go to article</a>
Automatic image segmentation based on synthetic tissue model for delineating organs at risk in spinal metastasis treatment planning	Olaf Wittenstein	2019	Strahlenther Onkol.		<a href="#">Go to article</a>
Feasibility and preliminary clinical results of linac-based Stereotactic Body Radiotherapy for spinal metastases using a dedicated contouring and planning system	Giaj-Levra et al.	2019	Radiation oncology (London, England)		<a href="#">Go to article</a>
Evaluation of a novel software application for magnetic resonance distortion correction in cranial stereotactic radiosurgery	Calvo-Ortega JF	2019	Med Dosim.		<a href="#">Go to article</a>
Comparison of Frame-Based Versus Frameless Intracranial Stereotactic Biopsy: Systematic Review and Meta-Analysis	Sanjay Dhawan	2019	World Neurosurg		<a href="#">Go to article</a>



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Retrospective distortion correction of diffusion tensor imaging data by semi-elastic image fusion - Evaluation by means of anatomical landmarks	Gerhardt et al.	2019	Clinical neurology and neurosurgery		<a href="#">Go to article</a>
Evaluation of a novel elastic registration algorithm for spinal imaging data: A pilot clinical study	Rashad et al.	2019	The international journal of medical robotics + computer assisted surgery: MRCAS		<a href="#">Go to article</a>
Initial Experience Using Brainlab Elements Cranial SRS	CD Venencia	2019	AAPM Library		<a href="#">Go to article</a>
EP-2101 Evaluation of the feasibility of performing markerless tracking for lung SBRT patients	T. Gevaert	2019	Radiotherapy and Oncology		<a href="#">Go to article</a>
Preoperative 3-Dimensional Angiography Data and Intraoperative Real-Time Vascular Data Integrated in Microscope-Based Navigation by Automatic Patient Registration Applying Intraoperative Computed Tomography	Carl et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Flat Panel Detector Computed Tomography-Guided Placement of External Ventricular Drains Using the BrainLAB Headband and Precalibrated Disposable Stylet Instrument: A Cadaveric Feasibility Study	Feulner et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Navigation-Linked Heads-Up Display in Intracranial Surgery: Early Experience	Mascitelli et al.	2018	Operative neurosurgery (Hagerstown, Md.)		<a href="#">Go to article</a>
Head-up display may facilitate safe keyhole surgery for cerebral aneurysm clipping	Toyooka et al.	2018	Journal of neurosurgery		<a href="#">Go to article</a>
Optic Radiation Diffusion Tensor Imaging Tractography: An Alternative and Simple Technique for the Accurate Detection of Meyer's Loop	Bertani et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Intraoperative 3-dimensional cone beam computed tomographic imaging during reconstruction of the zygoma and orbit	Gander et al.	2018	Oral surgery, oral medicine, oral pathology and oral radiology		<a href="#">Go to article</a>



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Semi-automatic tumour volume measurements on MR-Imaging using smartbrush® in oropharyngeal carcinomas; our experience in 5 patients	Lodder et al.	2018	Clinical otolaryngology : official journal of ENT-UK ; official journal of Netherlands Society for Oto-Rhino-Laryngology & Cervico-Facial Surgery		<a href="#">Go to article</a>
Intraoperative Computed Tomography Versus 3D C-Arm Imaging for Navigated Spinal Instrumentation	Hecht et al.	2018	Spine		<a href="#">Go to article</a>
Does Intraoperative Navigation Improve the Anatomical Reduction of Intracapsular Condylar Fractures?	Han et al.	2018	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Digital Diagnosis and Treatment Program for Maxillofacial Fractures: A Retrospective Analysis of 626 Cases	Zeng et al.	2018	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Surgical navigation improves reductions accuracy of unilateral complicated zygomaticomaxillary complex fractures: a randomized controlled trial	Zhang et al.	2018	Scientific Reports		<a href="#">Go to article</a>
Efficacy of intraoperative ultrasonography in neurosurgical tumor resection	Sweeney et al.	2018	Journal of neurosurgery. Pediatrics		<a href="#">Go to article</a>
Validation of diffusion tensor imaging tractography to visualize the dentatorubrothalamic tract for surgical planning	Nowacki et al.	2018	Journal of neurosurgery		<a href="#">Go to article</a>
Early outcomes of stereoelectroencephalography followed by MR-guided laser interstitial thermal therapy: a paradigm for minimally invasive epilepsy surgery	Cobourn et al.	2018	Neurosurgical focus		<a href="#">Go to article</a>



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Implantation of Depth Electrodes in Children Using VarioGuide® Frameless Navigation System: Technical Note	Budke et al.	2018	Operative Neurosurgery		<a href="#">Go to article</a>
Implementation of Intraoperative Computed Tomography for Deep Brain Stimulation: Pitfalls and Optimization of Workflow, Accuracy, and Radiation Exposure	Carl et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Navigation-Supported Stereotaxy by Applying Intraoperative Computed Tomography	Carl et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Intraoperative computed tomography as reliable navigation registration device in 200 cranial procedures	Carl et al.	2018	Acta neurochirurgica		<a href="#">Go to article</a>
Adaptive Hybrid Surgery: Paradigm Shift for Patient-centered Neurosurgery	Or Cohen-Inbar	2018	Rambam Maimonides Med J.		<a href="#">Go to article</a>
Quality of life outcomes for brain metastasis patients treated with stereotactic radiosurgery: pre-procedural predictive factors from a prospective national registry	Sheehan et al.	2018	Journal of neurosurgery		<a href="#">Go to article</a>
Planned Subtotal Resection of Vestibular Schwannoma Differs from the Ideal Radiosurgical Target Defined by Adaptive Hybrid Surgery	Sheppard et al.	2018	World neurosurgery		<a href="#">Go to article</a>
A new technique for correction of leg length discrepancies in combination with complex axis deformities of the lower limb using a lengthening nail and a locking plate	C. N. Steiger	2018	J Child Orthop.		<a href="#">Go to article</a>
Risk of patella baja after opening-wedge high tibial osteotomy	Tomohiko Murakami	2018	Sage Journal		<a href="#">Go to article</a>
Robotic-arm assisted total knee arthroplasty has a learning curve of seven cases for integration into the surgical workflow but no learning curve effect for accuracy of implant positioning	Babar Kayani	2018	Knee Surg Sports Traumatol Arthrosc		<a href="#">Go to article</a>
The 3-dot circle: A reliable method for safe and efficient digital templating of the acetabular component	Firas Arnaout	2018	J Orthop		<a href="#">Go to article</a>



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First experience with the jump-starting robotic assistance device Cirq	Krieg, Meyer	2018	Neurosurgical focus		<a href="#">Go to article</a>
Optic Radiation Diffusion Tensor Imaging Tractography. An Alternative and Simple Technique for the Accurate Detection of Meyer's Loop	Bertani et al.	2018	World neurosurgery		<a href="#">Go to article</a>
Evaluation of a four-pi approach to stereotactic treatment planning in cranial SRT	J Robar	2018	Radiotherapy and Oncology		<a href="#">Go to article</a>
Accuracy of Novel Computed Tomography-Guided Frameless Stereotactic Drilling and Catheter System in Human Cadavers	Sankey et al.	2017	World neurosurgery		<a href="#">Go to article</a>
Accuracy of VarioGuide Frameless Stereotactic System Against Frame-Based Stereotaxy: Prospective, Randomized, Single-Center Study	Bradac et al.	2017	World neurosurgery		<a href="#">Go to article</a>
Removal of recurrent intraorbital tumour using a system of augmented reality	Scolozzi, Bijlenga	2017	The British journal of oral & maxillofacial surgery		<a href="#">Go to article</a>
Visualization of subcortical language pathways by diffusion tensor imaging fiber tracking based on rTMS language mapping	Negwer et al.	2017	Brain imaging and behavior		<a href="#">Go to article</a>
Specific DTI seeding and diffusivity-analysis improve the quality and prognostic value of TMS-based deterministic DTI of the pyramidal tract	Rosenstock et al.	2017	NeuroImage. Clinical		<a href="#">Go to article</a>
Spinal navigation for posterior instrumentation of C1-2 instability using a mobile intraoperative CT scanner	Czabanka et al.	2017	Journal of neurosurgery. Spine		<a href="#">Go to article</a>
Total Navigation in Spine Surgery; A Concise Guide to Eliminate Fluoroscopy Using a Portable Intraoperative Computed Tomography 3-Dimensional Navigation System	Navarro-Ramirez et al.	2017	World neurosurgery		<a href="#">Go to article</a>



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Comparison of minimally invasive spine surgery using intraoperative computed tomography integrated navigation, fluoroscopy, and conventional open surgery for lumbar spondylolisthesis: a prospective registry-based cohort study	Wu et al.	2017	The spine journal : official journal of the North American Spine Society		<a href="#">Go to article</a>
Intraoperative navigation in complex head and neck resections: indications and limits	Catanzaro et al.	2017	International journal of computer assisted radiology and surgery		<a href="#">Go to article</a>
Application of a computer-assisted surgical navigation system in temporomandibular joint ankylosis surgery: a retrospective study	He et al.	2017	International journal of oral and maxillofacial surgery		<a href="#">Go to article</a>
Applications of 3D orbital computer-assisted surgery (CAS)	Scolozzi	2017	Journal of stomatology, oral and maxillofacial surgery		<a href="#">Go to article</a>
Comparison of the Outcomes of Complex Orbital Fracture Repair with and without a Surgical Navigation System: A Prospective Cohort Study with Historical Controls	Zavattero et al.	2017	Plastic and reconstructive surgery		<a href="#">Go to article</a>
Functional Magnetic Resonance Imaging (fMRI), Pre-intraoperative Tractography in Neurosurgery: The Experience of Sant' Andrea Rome University Hospital	D'Andrea et al.	2017	Acta neurochirurgica. Supplement		<a href="#">Go to article</a>
Comparison of Online 6 Degree-of-Freedom Image Registration of Varian TrueBeam Cone-Beam CT and BrainLab ExacTrac X-Ray for Intracranial Radiosurgery	Li et al.	2017	Technology in Cancer Research & Treatment		<a href="#">Go to article</a>
An evaluation of the BrainLAB 6D ExacTrac/Novalis Tx System for image-guided intracranial radiotherapy	Montgomery, Collins	2017	J Radiother Pract (Journal of Radiotherapy in Practice)		<a href="#">Go to article</a>
A Systematic Analysis of 2 Monoisocentric Techniques for the Treatment of Multiple Brain Metastases	Narayanasamy et al.	2017	Technology in Cancer Research & Treatment		<a href="#">Go to article</a>



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Submillimeter alignment of more than three contiguous vertebrae in spinal SRS/SBRT with 6-degree couch	Wang et al.	2017	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
Pre-Operative Planning of Total Hip Arthroplasty on Dysplastic Acetabuli	Dror Lakstein	2017	Sage Journal		<a href="#">Go to article</a>
Radiographic templating of total hip arthroplasty for femoral neck fractures	Dror Lakstein	2017	International Orthopaedics		<a href="#">Go to article</a>
The orthopaedic management of lower limb deformity in hypophosphataemic rickets	A Horn	2017	J Child Orthop.		<a href="#">Go to article</a>
Margin of error for a frameless image guided radiosurgery system: Direct confirmation based on posttreatment MRI scans	Luo et al.	2017	Practical Radiation Oncology		<a href="#">Go to article</a>
Truebeam Radiosurgery for the Treatment of Trigeminal Neuralgia: Preliminary Results at a Single Institution	Kerolus et al.	2017	Cureus		<a href="#">Go to article</a>
Accuracy of CT-navigated pedicle screw positioning in the cervical and upper thoracic region with and without prior anterior surgery and ventral plating	Rienmüller et al.	2017	The Bone & Joint Journal		<a href="#">Go to article</a>
Integrating Surgery and Radiosurgery: Our First Experiences with Adaptive Hybrid Surgery Analysis Software in Benign Skull Base Tumors	L. Schwyzer	2017	J Neurol Surg A Cent Eur Neurosurg		<a href="#">Go to article</a>
Associations between clinical outcome and navigated transcranial magnetic stimulation characteristics in patients with motoreloquent brain lesions: a combined navigated transcranial magnetic stimulation-diffusion tensor imaging fiber tracking approach.	C. F. Freyschlag	2017	Brain Inform		<a href="#">Go to article</a>
Preoperative prediction of language function by diffusion tensor imaging	C. F. Freyschlag	2017	Brain Inform		<a href="#">Go to article</a>
Target location after deep cerebral biopsies using low-volume air injection in 75 patients. Results and technical note	Maria A Poca	2017	Acta Neurochir (Wien)		<a href="#">Go to article</a>



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Progressive disease in glioblastoma: Benefits and limitations of semi-automated volumetry	Huber et al.	2017	PloS one		<a href="#">Go to article</a>
Reliability of Semi-Automated Segmentations in Glioblastoma	Huber et al.	2017	Clinical neuroradiology		<a href="#">Go to article</a>
Correlation between intraoperative ultrasound and postoperative MRI in pediatric tumor surgery	Smith et al.	2016	Journal of neurosurgery. Pediatrics		<a href="#">Go to article</a>
Neuroendoscopic Intraventricular Biopsy in Children with Small Ventricles Using Frameless VarioGuide System	Avecillas-Chasin et al.	2016	World neurosurgery		<a href="#">Go to article</a>
Multimodal Neuronavigation in Microsurgery Resection of BrainStem Tumors	Zhang et al.	2016	The Journal of craniofacial surgery		<a href="#">Go to article</a>
Distinct displacements of the optic radiation based on tumor location revealed using preoperative diffusion tensor imaging	Faust, Vajkoczy	2016	Journal of neurosurgery		<a href="#">Go to article</a>
Orbital volume analysis: validation of a semi-automatic software segmentation method	Jansen et al.	2016	International journal of computer assisted radiology and surgery		<a href="#">Go to article</a>
Accuracy and workflow of navigated spinal instrumentation with the mobile Airo(®) CT scanner	Hecht et al.	2016	European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society		<a href="#">Go to article</a>
Accuracy of computer-assisted iliosacral screw placement using a hybrid operating room	Richter et al.	2016	Injury		<a href="#">Go to article</a>



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Three-Dimensional Accuracy of Virtual Planning and Surgical Navigation for Mandibular Reconstruction With Free Fibula Flap	Yu et al.	2016	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
A prospective multicenter study to compare the precision of posttraumatic internal orbital reconstruction with standard preformed and individualized orbital implants	Zimmerer et al.	2016	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Testing the Reliability of BOLD-fMRI Motor Mapping in Patients with Cerebral Arteriovenous Malformations by Electric Cortical Stimulation and Surgery Outcomes	Wang et al.	2016	World neurosurgery		<a href="#">Go to article</a>
Intraoperative high-field magnetic resonance imaging, multimodal neuronavigation, and intraoperative electrophysiological monitoring-guided surgery for treating supratentorial cavernomas	Li et al.	2016	Chronic diseases and translational medicine		<a href="#">Go to article</a>
Evaluation of a dedicated brain metastases treatment planning optimization for radiosurgery: a new treatment paradigm?	Gevaert et al.	2016	Radiat Oncol (Radiation Oncology)		<a href="#">Go to article</a>
Dosimetric validation for an automatic brain metastases planning software using single-isocenter dynamic conformal arcs	Liu et al.	2016	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
Dosimetric Study of Automatic Brain Metastases Planning in Comparison with Conventional Multi-Isocenter Dynamic Conformal Arc Therapy and Gamma Knife Radiosurgery for Multiple Brain Metastases	Mori et al.	2016	Cureus		<a href="#">Go to article</a>
Inception of a national multidisciplinary registry for stereotactic radiosurgery	Sheehan et al.	2016	Journal of neurosurgery		<a href="#">Go to article</a>



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Updates on preoperative planning, limb deformity analysis and surgical correction for the growing children	Eitan Segev	2016	J Child Orthop.		<a href="#">Go to article</a>
3-D-navigierte Pedikelschrauben der Halswirbelsäule – Erfahrungen und Komplikationsanalyse	Schiffer et al.	2016	Zeitschrift für Orthopädie und Unfallchirurgie		<a href="#">Go to article</a>
Optimizing ventriculoperitoneal shunt placement in the treatment of idiopathic intracranial hypertension: an analysis of neuroendoscopy, frameless stereotaxy, and intraoperative CT	Benjamin Yim	2016	Neurosurgical Focus		<a href="#">Go to article</a>
Fully Automated Enhanced Tumor Compartmentalization: Man vs. Machine Reloaded	Porz et al.	2016	PloS one		<a href="#">Go to article</a>
Early Biomarkers from Conventional and Delayed-Contrast MRI to Predict the Response to Bevacizumab in Recurrent High-Grade Gliomas	Daniels D et al.	2016	AJNR Am J Neuroradiol.		<a href="#">Go to article</a>
Use of intraoperative Doppler ultrasound with neuronavigation to guide arteriovenous malformation resection: a pediatric case series	Walkden et al.	2015	Journal of neurosurgery. Pediatrics		<a href="#">Go to article</a>
Augmented reality-assisted bypass surgery: embracing minimal invasiveness	Cabrilo et al.	2015	World neurosurgery		<a href="#">Go to article</a>
Pre-operative image-based segmentation of the cranial nerves and blood vessels in microvascular decompression: Can we prevent unnecessary explorations?	Dolati et al.	2015	Clinical neurology and neurosurgery		<a href="#">Go to article</a>
Patient specific implants (PSI) in reconstruction of orbital floor and wall fractures	Gander et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>



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Development and evaluation of an automatic tumor segmentation tool: a comparison between automatic, semi-automatic and manual segmentation of mandibular odontogenic cysts and tumors	Rana et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Development and first clinical application of automated virtual reconstruction of unilateral midface defects	Wagner et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
A Multicenter Experience With Image-Guided Surgical Navigation: Broadening Clinical Indications in Complex Craniomaxillofacial Surgery	Andrews et al.	2015	The Journal of craniofacial surgery		<a href="#">Go to article</a>
Late Reconstruction of the Orbit With Patient-Specific Implants Using Computer-Aided Planning and Navigation	Baumann et al.	2015	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Intraoperative navigation for single-splint two-jaw orthognathic surgery: From model to actual surgery	Chang et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>



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Predictability in orbital reconstruction.	Dubois et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Applications of Computer-Assisted Navigation for the Minimally Invasive Reduction of Isolated Zygomatic Arch Fractures	Li, Yang	2015	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Three-dimensional computer-assisted orthognathic surgery: experience of 37 patients	Lin et al.	2015	Annals of plastic surgery		<a href="#">Go to article</a>
The Use of Brainlab Navigation in Le Fort III Osteotomy	Wood et al.	2015	The Journal of craniofacial surgery		<a href="#">Go to article</a>
Reconstruction of maxillary defects with free fibula flap assisted by computer techniques	Zhang et al.	2015	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Delayed contrast extravasation MRI: a new paradigm in neuro-oncology	Zach et al.	2015	Neuro-Oncology		<a href="#">Go to article</a>
Comparison of Hallux Valgus Deformity Evaluation on Printed Versus Digital X-Rays	Ehud Atoun	2015	Clinical Research on Foot & Ankle		<a href="#">Go to article</a>
Diffusion tensor magnetic resonance imaging (DTI) tractography-guided deep brain stimulation in neuropathic pain	Coenen et al.	2015	Acta neurochirurgica		<a href="#">Go to article</a>
Contemporary frameless intracranial biopsy techniques: Might variation in safety and efficacy be expected?	Iris S C Verploegh	2015	Acta Neurochir (Wien)		<a href="#">Go to article</a>



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Navigated high frequency ultrasound: description of technique and clinical comparison with conventional intracranial ultrasound	Coburger et al.	2014	World neurosurgery		<a href="#">Go to article</a>
Navigated versus non-navigated intraoperative ultrasound: is there any impact on the extent of resection of high-grade gliomas? A retrospective clinical analysis	Renovanz et al.	2014	Journal of neurological surgery. Part A, Central European neurosurgery		<a href="#">Go to article</a>
Augmented reality in the surgery of cerebral aneurysms: a technical report	Cabrilo et al.	2014	Neurosurgery		<a href="#">Go to article</a>
Augmented reality in the surgery of cerebral arteriovenous malformations: technique assessment and considerations	Cabrilo et al.	2014	Acta neurochirurgica		<a href="#">Go to article</a>
Virtual surgery simulation in orbital wall reconstruction: integration of surgical navigation and stereolithographic models	Novelli et al.	2014	Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery		<a href="#">Go to article</a>
Three-dimensional simulation of the nasoalveolar cleft defect	Pálházi et al.	2014	The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association		<a href="#">Go to article</a>
Three-dimensional navigation is more accurate than two-dimensional navigation or conventional fluoroscopy for percutaneous sacroiliac screw fixation in the dysmorphic sacrum: a randomized multicenter study	Matityahu et al.	2014	Journal of orthopaedic trauma		<a href="#">Go to article</a>
Intraoperative imaging in orbital and midface reconstruction	Wilde, Schramm	2014	Facial plastic surgery : FPS		<a href="#">Go to article</a>
A comparison of acetate and digital templating for hip resurfacing	Daniel N Bracey	2014	Am J Orthop (Belle Mead NJ)		<a href="#">Go to article</a>



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Digital planning for foot and ankle deformity correction: Evans osteotomy	Noman A Siddiqui	2014	J Foot Ankle Surg		<a href="#">Go to article</a>
Radiographic Assessment of Lower Limb Lengthening in Achondroplastic Patients, Using the Ilizarov Frame: A 5-19 Year Follow up Study	Maria A Stefanou	2014	International Journal of Orthopaedics		<a href="#">Go to article</a>
Catheter placement for lysis of spontaneous intracerebral hematomas: is a navigated stylet better than pointer-guided frameless stereotaxy for intrahematoma catheter positioning?	Vesna Malinova	2014	Translational Stroke Research		<a href="#">Go to article</a>
The benefits of navigated intraoperative ultrasonography during resection of fourth ventricular tumors in children	El Beltagy, Atteya	2013	Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery		<a href="#">Go to article</a>
The silent loss of neuronavigation accuracy: a systematic retrospective analysis of factors influencing the mismatch of frameless stereotactic systems in cranial neurosurgery	Stieglitz et al.	2013	Neurosurgery		<a href="#">Go to article</a>
Frameless navigated biopsy with the BrainLAB® VarioGuide system: a technical note	Buchalla et al.	2013	Journal of neurological surgery. Part A, Central European neurosurgery		<a href="#">Go to article</a>
Design and development of a virtual anatomic atlas of the human skull for automatic segmentation in computer-assisted surgery, preoperative planning, and navigation	Metzger et al.	2013	International journal of computer assisted radiology and surgery		<a href="#">Go to article</a>
Advances in assessing the volume of odontogenic cysts and tumors in the mandible: a retrospective clinical trial	Stoetzer et al.	2013	Head & Face Medicine		<a href="#">Go to article</a>
Comparison of navigated versus non-navigated pedicle screw placement in 260 patients and 1434 screws: screw accuracy, screw size, and the complexity of surgery	Luther et al.	2013	Journal of spinal disorders & techniques		<a href="#">Go to article</a>



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Utilization of computed tomography image-guided navigation in orbit fracture repair	Andrews et al.	2013	The Laryngoscope		<a href="#">Go to article</a>
Intrafraction variations in linac-based image-guided radiosurgery of intracranial lesions	Badakhshi et al.	2013	Cancer radiotherapie : journal de la Societe francaise de radiotherapie oncologique		<a href="#">Go to article</a>
Evaluation of the clinical usefulness for using verification images during frameless radiosurgery	Gevaert et al.	2013	Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology		<a href="#">Go to article</a>
Dosimetric impact of intrafraction motion during RapidArc stereotactic vertebral radiation therapy using flattened and flattening filter-free beams	Ong et al.	2013	International Journal of Radiation Oncology*Biolog*Physics		<a href="#">Go to article</a>
PO-0658 Adaptive hybrid surgery: feasibility study of computer-assisted multi-modality approach to skull base tumors	I.J. Barani	2013	Radiotherapy and Oncology		<a href="#">Go to article</a>
Factors affecting diagnostic yield in needle biopsy for brain lesions	Georgios Tsermoulas	2013	British Journal of Neurosurgery		<a href="#">Go to article</a>
Image-guided implantation of precalibrated catheters in the ICU: a feasibility study.	Naureen Keric	2013	Acta Neurochirurgica		<a href="#">Go to article</a>
Intra-arterial intraoperative computed tomography angiography guided navigation: a new technique for localization of vascular pathology	Raza et al.	2012	Neurosurgery		<a href="#">Go to article</a>
Importance of intraoperative magnetic resonance imaging for pediatric brain tumor surgery	Yousaf et al.	2012	Surgical neurology international		<a href="#">Go to article</a>
Frameless image-guided stereotaxy with real-time visual feedback for brain biopsy	Gempt et al.	2012	Acta neurochirurgica		<a href="#">Go to article</a>



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Application of intraoperative computed tomography with or without navigation system in surgical correction of spinal deformity: a preliminary result of 59 consecutive human cases	Cui et al.	2012	Spine		<a href="#">Go to article</a>
Computer-assisted navigational surgery improves outcomes in orbital reconstructive surgery	Cai et al.	2012	The Journal of craniofacial surgery		<a href="#">Go to article</a>
Orbitozygomatic fractures with enophthalmos: analysis of 64 cases treated late	He et al.	2012	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
Advances and innovations in computer-assisted head and neck oncologic surgery	Rana et al.	2012	The Journal of craniofacial surgery		<a href="#">Go to article</a>
Study of ExacTrac X-ray 6D IGRT setup uncertainty for marker-based prostate IMRT treatment	Shi et al.	2012	J. Appl. Clin. Med. Phys. (Journal of applied clinical medical physics)		<a href="#">Go to article</a>
Delayed contrast extravasation MRI for depicting tumor and non-tumoral tissues in primary and metastatic brain tumors	Zach et al.	2012	PLoS ONE		<a href="#">Go to article</a>
The accuracy of automatic calibration of digital pelvic radiographs using two different scale markers: a comparative study	Jonathan A Baxter	2012	Hip Int		<a href="#">Go to article</a>
Image guided navigation by intraoperative CT scan for cochlear implantation	Stelter et al.	2012	Computer aided surgery : official journal of the International Society for Computer Aided Surgery		<a href="#">Go to article</a>
Individualized treatment of craniovertebral junction malformation guided by intraoperative computed tomography	Li et al.	2012	Journal of spinal disorders & techniques		<a href="#">Go to article</a>



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Adaptive Hybrid Surgery: Feasibility of Planned Subtotal Resection of Benign Skull Base Tumors Followed by Radiosurgery to Minimize Morbidity Without Compromising Tumor Control	I.J. Barani	2012	IJROBP		<a href="#">Go to article</a>
Frameless stereotactic targeting devices: technical features, targeting errors and clinical results	Gerlig Widmann	2012	Int J Med Robot		<a href="#">Go to article</a>
Correlation of the extent of tumor volume resection and patient survival in surgery of glioblastoma multiforme with high-field intraoperative MRI guidance	Kuhnt et al.	2011	Neuro-oncology		<a href="#">Go to article</a>
Intraoperative ultrasound in malformations of cortical development	Miller et al.	2011	Ultraschall in der Medizin (Stuttgart, Germany : 1980)		<a href="#">Go to article</a>
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Accuracy of image-guided pedicle screw placement using intraoperative computed tomography-based navigation with automated referencing, part I: cervicothoracic spine	Scheufler et al.	2011	Neurosurgery		<a href="#">Go to article</a>
Diagnostic and therapeutic aspects in the treatment of gunshot wounds of the viscerocranium	Gröbe et al.	2011	European journal of trauma and emergency surgery : official publication of the European Trauma Society		<a href="#">Go to article</a>



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Intraoperative stereotactic navigation for reconstruction in zygomatic-orbital trauma	Nyachhyon, Kim	2011	JNMA; journal of the Nepal Medical Association		<a href="#">Go to article</a>
"Mirroring" computational planning, navigation guidance system, and intraoperative mobile C-arm cone-beam computed tomography with flat-panel detector: a new rationale in primary and secondary treatment of midfacial fractures?	Scolozzi, Terzic	2011	Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons		<a href="#">Go to article</a>
The accuracy of digital templating in primary total knee replacements	S. Prasad	2011	Orthopaedic Proceedings		<a href="#">Go to article</a>
Accuracy of image-guided pedicle screw placement using intraoperative computed tomography-based navigation with automated referencing. Part II: thoracolumbar spine	Scheufler et al.	2011	Neurosurgery		<a href="#">Go to article</a>
Intraoperative tractography and motor evoked potential (MEP) monitoring in surgery for gliomas around the corticospinal tract	Maesawa et al.	2010	World neurosurgery		<a href="#">Go to article</a>
Less invasive surgical correction of adult degenerative scoliosis, part I: technique and radiographic results	Scheufler et al.	2010	Neurosurgery		<a href="#">Go to article</a>
Iso-C/3-dimensional neuronavigation versus conventional fluoroscopy for minimally invasive pedicle screw placement in lumbar fusion	Fraser et al.	2010	Minimally invasive neurosurgery : MIN		<a href="#">Go to article</a>
Can computer-assisted surgery reduce the effective dose for spinal fusion and sacroiliac screw insertion?	Kraus et al.	2010	Clinical orthopaedics and related research		<a href="#">Go to article</a>



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Frameless image-guided radiosurgery for initial treatment of typical trigeminal neuralgia	Chen et al.	2010	World neurosurgery		<a href="#">Go to article</a>
Intra- and interobserver reliability analysis of digital radiographic measurements for pediatric orthopedic parameters using a novel PACS integrated computer software program	Eitan Segev	2010	J Child Orthop.		<a href="#">Go to article</a>
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Impact of intraoperative high-field magnetic resonance imaging guidance on glioma surgery: a prospective volumetric analysis	Hatiboglu et al.	2009	Neurosurgery		<a href="#">Go to article</a>
Clinical indications for high-field 1.5 T intraoperative magnetic resonance imaging and neuro-navigation for neurosurgical procedures. Review of initial 100 cases	Maesawa et al.	2009	Neurologia medico-chirurgica		<a href="#">Go to article</a>
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Reproducibility and Accuracy of Templating Uncemented THA With Digital Radiographic and Digital TraumaCad Templating Software.	Panamoottil G Anil Kumar	2009	Orthopedics		<a href="#">Go to article</a>
Planificación Preoperatoria Digital en Traumatología	Esmitt Ramirez	2009	Central University of Venezuela		<a href="#">Go to article</a>
Automated registration of intraoperative CT image data for navigated skull base surgery	Eggers et al.	2008	Minimally invasive neurosurgery : MIN		<a href="#">Go to article</a>
Image-guided radiosurgery for spinal tumors: methods, accuracy and patient intrafraction motion	Agazaryan et al.	2008	Phys. Med. Biol. (Physics in medicine and biology)		<a href="#">Go to article</a>



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Dosimetric effect of translational and rotational errors for patients undergoing image-guided stereotactic body radiotherapy for spinal metastases	Wang et al.	2008	International Journal of Radiation Oncology*Biolog*Physics		<a href="#">Go to article</a>
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Cervical Pedicle Screws Conventional Versus Computer-Assisted Placement of Cannulated Screws.	Richter M	2005	Spine		<a href="#">Go to article</a>