

Use of CT-Based Intraoperative Spinal Navigation: Man Operator, Staff, and Patients

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The past, present and future of minimally invasive spine surgery: A review and speculative outlook. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2013, 22, 227-241.	1.2	30
2	Tracked Ultrasound Snapshots in Percutaneous Pedicle Screw Placement Navigation: A Feasibility Study. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 4047-4055.	1.5	20
3	Surgical treatment of adult and pediatric C1/C2 subluxation with intraoperative computed tomography guidance. , 2013, 4, 109.		8
4	Intraoperative image-guided spinal navigation: technical pitfalls and their avoidance. <i>Neurosurgical Focus</i> , 2014, 36, E3.	2.3	141
5	Does Less Invasive Spine Surgery Result in Increased Radiation Exposure? A Systematic Review. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 1738-1748.	1.5	97
6	Intraoperative portable CT-scanner based spinal navigation - a feasibility and safety study. <i>Acta Neurochirurgica</i> , 2014, 156, 1807-1812.	1.7	14
7	New generation intraoperative three-dimensional imaging (O-arm) in 100 spine surgeries: Does it change the surgical procedure?. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 225-231.	1.5	45
8	Intraoperative fluoroscopy, portable X-ray, and CT: patient and operating room personnel radiation exposure in spinal surgery. <i>Spine Journal</i> , 2014, 14, 2985-2991.	1.3	80
9	Percutaneous Lumbar Pedicle Screw Insertion. <i>Operative Techniques in Orthopaedics</i> , 2015, 25, 194-201.	0.1	0
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11	Intraoperative Imaging. , 2015, , 163-190.		1
12	Spinal Navigation and Imaging: History, Trends, and Future. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1738-1746.	8.9	85
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15	A new 3-dimensional method for measuring precision in surgical navigation and methods to optimize navigation accuracy. <i>European Spine Journal</i> , 2016, 25, 1764-1774.	2.2	36
16	Assessment of the Radiation Exposure of Surgeons and Patients During a Lumbar Microdiscectomy and a Cervical Microdiscectomy: A French Prospective Multicenter Study. <i>World Neurosurgery</i> , 2016, 89, 329-336.	1.3	13
17	Patient and surgeon radiation exposure during spinal instrumentation using intraoperative computed tomography-based navigation. <i>Spine Journal</i> , 2016, 16, 343-354.	1.3	145
18	Screw Placement Accuracy and Outcomes following O-Arm-Navigated Atlantoaxial Fusion: A Feasibility Study. <i>Global Spine Journal</i> , 2016, 6, 344-349.	2.3	39
19	Historical, Current, and Future Intraoperative Imaging Modalities. <i>Neurosurgery Clinics of North America</i> , 2017, 28, 453-464.	1.7	18

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20	Radiation exposure and reduction in the operating room: Perspectives and future directions in spine surgery. <i>World Journal of Orthopedics</i> , 2017, 8, 524.	1.8	51
21	An intraoperative fluoroscopic method to accurately measure the post-implantation position of pedicle screws. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1257-1267.	2.8	13
22	Anatomical relation between the accessory process and pedicle in the lumbar vertebrae. <i>Anatomical Science International</i> , 2018, 93, 430-436.	1.0	1
23	Safety and accuracy of freehand versus navigated C2 pars or pedicle screw placement. <i>Spine Journal</i> , 2018, 18, 1374-1381.	1.3	29
24	Prospective Comparative Study in Spine Surgery Between O-Arm and Airo Systems: Efficacy and Radiation Exposure. <i>World Neurosurgery</i> , 2018, 118, e175-e184.	1.3	46
25	Intraoperative O-arm-navigated resection in musculoskeletal tumors. <i>Journal of Orthopaedic Science</i> , 2018, 23, 1045-1050.	1.1	14
26	Intraoperative Computed Tomography Navigation-Assisted Resection of Symptomatic Intramedullary Spinal Cord Cavernoma: A Technical Note and Case Report. <i>World Neurosurgery</i> , 2019, 129, 311-317.	1.3	2
27	Comparison of low-dose CT with CT/CT fluoroscopy guidance in percutaneous sacral and supra-acetabular cementoplasty. <i>Diagnostic and Interventional Radiology</i> , 2019, 25, 353-359.	1.5	3
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29	Recent Trends, Technical Concepts and Components of Computer-Assisted Orthopedic Surgery Systems: A Comprehensive Review. <i>Sensors</i> , 2019, 19, 5199.	3.8	33
30	Efficacy and Safety of Atlantoaxial Fluoroscopy-guided Pedicle Screw Fixation in Patients Younger Than 12 Years. <i>Spine</i> , 2019, 44, 1412-1417.	2.0	8
31	Insights into the Past and Future of Atlantoaxial Stabilization Techniques. <i>Acta Neurochirurgica Supplementum</i> , 2019, 125, 265-271.	1.0	3
32	Precise Surgical Treatment of Thoracic Ossification of Ligamentum Flavum Assisted by O-Arm Computer Navigation: A Retrospective Study. <i>World Neurosurgery</i> , 2020, 143, e409-e418.	1.3	3
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35	24 Navigated and Robotic Posterior Atlantoaxial Fusion. , 2020, , .		0
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39	Novel MIS 3D NAV Single Step Pedicle Screw System (SSPSS): Workflow, Accuracy and Initial Clinical Experience. <i>Global Spine Journal</i> , 2022, 12, 1098-1108.	2.3	7
40	Posterior Temporary C1-2 Pedicle Screws Fixation for the Treatment of Unstable C1-2 Complex Fractures: Minimum of 2-Year Follow-Up. <i>Global Spine Journal</i> , 2021, , 219256822110391.	2.3	1
41	Perspective review on applications of optics in spinal surgery. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	4
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43	Reliability of the Planned Pedicle Screw Trajectory versus the Actual Pedicle Screw Trajectory using Intra-operative 3D CT and Image Guidance. <i>International Journal of Spine Surgery</i> , 2016, 10, 38.	1.5	29
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45	Sacroiliac Joint Treatment Personalized to Individual Patient Anatomy Using 3-Dimensional Navigation. <i>Orthopedics</i> , 2016, 39, 89-94.	1.1	5
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47	Neuronavigation: principles, clinical applications and potential pitfalls. <i>Iranian Journal of Psychiatry</i> , 2012, 7, 97-103.	0.7	11
48	Editorial. Navigation in spine surgery: an innovation here to stay. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 347-349.	1.7	4
49	Intraoperative imaging and image guidance. , 2022, , 125-148.		0
50	A Novel Mobile Device-Based Navigation System for Placement of Posterior Spinal Fixation. <i>Operative Neurosurgery</i> , 2022, 22, 249-254.	0.8	1
51	Navigation in Non-Instrumented Spine Surgery. , 2023, , 89-109.		0
52	Technique for Validation of Intraoperative Navigation in Minimally Invasive Spine Surgery. <i>Operative Neurosurgery</i> , 2023, 24, 451-454.	0.8	2
53	Preoperative Dyeing Technique for Decreasing Radiation Exposure in Unilateral Biportal Endoscopic Spine Surgery. <i>World Neurosurgery</i> , 2023, , .	1.3	0
55	iCT Navigation for Transpedicular Screw Fixation in the Thoracolumbar Spine: Experience in 100 Consecutive Cases. <i>Neurology India</i> , 2022, 70, 195.	0.4	0