

# Walid I Essayed

## List of Publications by Year in descending order

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73  
papers

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687363

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docs citations

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times ranked

1529  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | White matter tractography for neurosurgical planning: A topography-based review of the current state of the art. <i>NeuroImage: Clinical</i> , 2017, 15, 659-672.  | 2.7  | 162       |
| 2  | Automated white matter fiber tract identification in patients with brain tumors. <i>NeuroImage: Clinical</i> , 2017, 13, 138-153.  | 2.7  | 109       |
| 3  | Challenges and techniques for presurgical brain mapping with functional MRI. <i>NeuroImage: Clinical</i> , 2018, 17, 794-803.  | 2.7  | 107       |
| 4  | Resection of pituitary tumors: endoscopic versus microscopic. <i>Journal of Neuro-Oncology</i> , 2016, 130, 309-317.   | 2.9  | 92        |
| 5  | SlicerDMRI: Open Source Diffusion MRI Software for Brain Cancer Research. <i>Cancer Research</i> , 2017, 77, e101-e103.  | 0.9  | 89        |
| 6  | Endoscopic Endonasal Versus Microscopic Transsphenoidal Surgery for Recurrent and/or Residual Pituitary Adenomas. <i>World Neurosurgery</i> , 2017, 101, 186-195.  | 1.3  | 69        |
| 7  | The Path to U.S. Neurosurgical Residency for Foreign Medical Graduates: Trends from a Decade 2007-2017. <i>World Neurosurgery</i> , 2020, 137, e584-e596.  | 1.3  | 42        |
| 8  | Contralateral supraorbital keyhole approach to medial optic nerve lesions: an anatomoclinical study. <i>Journal of Neurosurgery</i> , 2017, 126, 940-944.  | 1.6  | 40        |
| 9  | Free water modeling of peritumoral edema using multi-fiber tractography: Application to tracking the arcuate fasciculus for neurosurgical planning. <i>PLoS ONE</i> , 2018, 13, e0197056.                  | 2.5  | 40        |
| 10 | Endoscopic endonasal approach to the ventral brainstem: anatomical feasibility and surgical limitations. <i>Journal of Neurosurgery</i> , 2017, 127, 1139-1146.  | 1.6  | 33        |
| 11 | Volumetric analysis of magnetic resonance-guided focused ultrasound thalamotomy lesions. <i>Neurosurgical Focus</i> , 2018, 44, E6.  | 2.3  | 33        |
| 12 | Type II odontoid fracture in elderly patients treated conservatively: is fracture healing the goal?. <i>European Spine Journal</i> , 2019, 28, 1064-1071.  | 2.2  | 26        |
| 13 | 3D printing and intraoperative neuronavigation tailoring for skull base reconstruction after extended endoscopic endonasal surgery: proof of concept. <i>Journal of Neurosurgery</i> , 2018, 130, 248-255. | 1.6  | 15        |
| 14 | Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tract-Specific Effects. <i>Journal of Neuroimaging</i> , 2018, 28, 173-182.                            | 2.0  | 15        |
| 15 | Minimally Invasive Robotic Laser Corpus Callosotomy: A Proof of Concept. <i>Cureus</i> , 2017, 9, e1021.   | 0.5  | 13        |
| 16 | Clinical response associated with radiographic regression of a cervicomedullary ependymoma in a NF2 patient treated by bevacizumab. <i>Journal of Neuro-Oncology</i> , 2015, 125, 445-446.                 | 2.9  | 10        |
| 17 | Target receptor identification and subsequent treatment of resected brain tumors with encapsulated and engineered allogeneic stem cells. <i>Nature Communications</i> , 2022, 13, 2810.                    | 12.8 | 10        |
| 18 | Tentorial Venous Anatomy: Cadaveric and Radiographic Study with Discussion of Origin and Surgical Significance. <i>World Neurosurgery</i> , 2019, 131, e38-e45.  | 1.3  | 8         |

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|----|--|-----|-----------|
| 19 | Intraoperative Doppler ultrasound as a means of preventing vertebral artery injury during Goel and Harms C1–C2 posterior arthrodesis: technical note. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 824-830.   | 1.7 | 7         |
| 20 | Intraoperative Use of Functional MRI for Surgical Decision Making after Limited or Infeasible Electroconvulsive Stimulation Mapping. <i>Journal of Neuroimaging</i> , 2020, 30, 184-191.   | 2.0 | 7         |
| 21 | Standard clinical approaches and emerging modalities for glioblastoma imaging. <i>Neuro-Oncology Advances</i> , 2022, 4, .   | 0.7 | 7         |
| 22 | Clinical Utility of Preoperative Bilingual Language fMRI Mapping in Patients with Brain Tumors. <i>Journal of Neuroimaging</i> , 2020, 30, 175-183.  | 2.0 | 6         |
| 23 | Corpus Callosotomy for Refractory Epilepsy in Aicardi Syndrome: Case Report and Focused Review of the Literature. <i>World Neurosurgery</i> , 2020, 142, 450-455.  | 1.3 | 4         |
| 24 | Endoscopic technology and repair techniques. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 170, 217-225.   | 1.8 | 4         |
| 25 | A Combined Microsurgical and Endovascular Approach to Giant Paraclinoid Aneurysm: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E424-E425.  | 0.8 | 4         |
| 26 | Integration of Microanatomy, Neuronavigation, Dynamic Neurophysiologic Monitoring, and Intraoperative Multimodality Imaging for the Safe Removal of an Insular Glioma: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E28-E29. | 0.8 | 4         |
| 27 | Transcavernous Resection of an Upper Clival Chondrosarcoma: –Cavernous Sinus as a Route– 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E422-E423.   | 0.8 | 3         |
| 28 | Resection of a Dumbbell-Shaped Facial Nerve Schwannoma With Preservation of Facial Nerve Function Through the Extended Middle Fossa Approach: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E530-E531.                        | 0.8 | 3         |
| 29 | Two-Stage Double Petrosal Approach for the Total Resection of Petroclival-Cavernous Meningioma: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E30-E31.  | 0.8 | 2         |
| 30 | Resection of Pontine Cavernoma Through the Anterior Transpetrosal Approach: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E26-E27.  | 0.8 | 2         |
| 31 | Combined Microscopic-Endoscopic Transmastoid Resection of a Petrous Meningioma: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E528-E529.  | 0.8 | 2         |
| 32 | Endoscopic-Assisted Keyhole Resection of a Recurrent Epidermoid Tumor: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E32-E33.   | 0.8 | 1         |
| 33 | Medial Acoustic Tumors: Special Considerations: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E101-E102.  | 0.8 | 1         |
| 34 | Radical Resection of a Giant Epidermoid Tumor Associated With Miniature Chordoma Utilizing a Combined Endoscopic-Microscopic Technique: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E95-E96.                                | 0.8 | 1         |
| 35 | Recurrent Chordoma Resection in the Advanced Multimodality Image Guided Operating Suite: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E344-E345.   | 0.8 | 1         |
| 36 | Concomitant Embolization and Microsurgical Resection of a Giant, Hypervascular Skull Base Meningioma: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E97-E98.  | 0.8 | 1         |

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|----|--|-----|-----------|
| 37 | Venous Anatomy Influence on the Approach Selection of a Petroclival Clear Cell Meningioma With Associated Multiple Spinal Meningiomas: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 20, E426-E427. | 0.8 | 1         |
| 38 | Pineal Region Hemangioblastoma Resection Through Paramedian Supracerebellar Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E34-E35.  | 0.8 | 1         |
| 39 | Simpson Grade I Removal of Tuberculum Sella Meningioma Through the Supraorbital Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E103-E104.  | 0.8 | 1         |
| 40 | Nuances of Olfactory Groove Meningioma Surgery: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E338-E339.  | 0.8 | 1         |
| 41 | Resection of Giant Invasive Parasagittal Atypical Meningioma With a Venous Graft Reconstruction of the Sagittal Sinus: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E332-E333.                 | 0.8 | 1         |
| 42 | Diaphragm Sellae Meningioma: Distinct Clinical, Anatomic, and Surgical Considerations: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E336-E337.   | 0.8 | 1         |
| 43 | Transcondylar Odontoid Resection and Stabilization for Craniovertebral Degenerative Compression: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E429-E430.                                       | 0.8 | 1         |
| 44 | Interposition Grafting of the Facial Nerve After Resection of a Large Facial Nerve Schwannoma: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E340-E341.   | 0.8 | 1         |
| 45 | Clipping of Multiple Cerebral Aneurysms Through Cranioorbital Zygomatic Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E522-E523.  | 0.8 | 1         |
| 46 | Giant Ossified Clival Chondrosarcoma Resection: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E526-E527.  | 0.8 | 1         |
| 47 | Falcotentorial Meningioma Resection Through the Supracerebellar Infratentorial Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e42-e42.   | 0.8 | 1         |
| 48 | â€œGrade Zeroâ€•Removal of a Falcine Meningioma: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e158-e158.   | 0.8 | 1         |
| 49 | Brachytherapy as Salvage Treatment for Meningioma With Malignant Progression After Exhausting Other Treatment Options: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e215-e215.                 | 0.8 | 1         |
| 50 | EXTH-49. THERAPEUTIC EFFICACY OF ENGINEERED, HYDROGEL ENCAPSULATED BIMODAL MSC IN GLIOBLASTOMA STRATIFIED ON CELL SURFACE RECEPTOR EXPRESSION. Neuro-Oncology, 2019, 21, vi93-vi93.                                | 1.2 | 0         |
| 51 | The Resection of a Thalamic Pilocytic Astrocytoma Through the Transchoroidal Fissure, Transcallosal Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 20, E346-E347.                          | 0.8 | 0         |
| 52 | Total Petrosectomy for the Total Resection of Sphenopetroclival Meningioma: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E22-E23.  | 0.8 | 0         |
| 53 | â€œSave the Nerveâ€• Technical Nuances for Hearing Preservation and Restoration in Vestibular Schwannoma Surgery: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E328-E329.                      | 0.8 | 0         |
| 54 | Extirpation of Recurrent Petrous Apex Cholesterol Granuloma Through the Zygomatic Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E229-E230.  | 0.8 | 0         |

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|----|---|-----|-----------|
| 55 | Metachronous Skull Base Paraganglioma Surgical Management: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E427-E428.  | 0.8 | 0         |
| 56 | Resection of a Medulla Oblongata Hemangioblastoma: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E435.   | 0.8 | 0         |
| 57 | Microsurgical Resection of a Parasellar Meningioma Invading the Cavernous Sinus, Bone, and Optic Canal: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E520-E521.                         | 0.8 | 0         |
| 58 | Foramen Magnum Meningiomaâ€”The Attainment of the Intra-Arachnoidal Dissection: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E518-E519.   | 0.8 | 0         |
| 59 | Resection of Clival Chordoma Through the Anterior Clivectomy: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 21, E516-E517.   | 0.8 | 0         |
| 60 | 3D Printing and Intraoperative Neuronavigation Tailoring for Skull Base Reconstruction after Extended Endoscopic Endonasal Surgery. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S1-S188. | 0.8 | 0         |
| 61 | OUP accepted manuscript. Journal of Surgical Case Reports, 2021, 2021, rjab508.   | 0.4 | 0         |
| 62 | Hyperostotic Invasive Meningioma of the Sphenoid Ridge Surgical Considerations. Operative Neurosurgery, 2022, Publish Ahead of Print, .   | 0.8 | 0         |
| 63 | Orbital Cavernous Venous Malformation Resection Through Supraorbital Craniotomy: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, Publish Ahead of Print, .                                     | 0.8 | 0         |
| 64 | Clival Meningioma: Remove the Bone to Pursue of Ventral Exposure: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, Publish Ahead of Print, .  | 0.8 | 0         |
| 65 | Resection of a Giant Atypical Pediatric Meningioma Encasing the Cerebral Arterial Tree: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, Publish Ahead of Print, .                              | 0.8 | 0         |
| 66 | Multimodal Intraoperative Image-Driven Surgery for Skull Base Chordomas and Chondrosarcomas. Cancers, 2022, 14, 966.  | 3.7 | 0         |
| 67 | Surgical Presets of Ruptured Dermoid Cyst Resection: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e217-e217.  | 0.8 | 0         |
| 68 | Brainstem Pilocytic Astrocytoma, a Surgical Disease: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, Publish Ahead of Print, .   | 0.8 | 0         |
| 69 | Preservation of Cranial Nerves Function in Glomus Jugulare Surgery: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e43-e43.   | 0.8 | 0         |
| 70 | Multicentric Chordoma With Initial Resection by Bilateral Transcondylar Approach: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e37-e38.   | 0.8 | 0         |
| 71 | Anterior Petrosal: A Key Approach to Upper Petroclival Meningiomas: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e81-e81.   | 0.8 | 0         |
| 72 | Resection of Peritorcular Meningioma With Sinus Intimal Layer Preservation: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e82-e82.   | 0.8 | 0         |

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|----|--|----|-----------|
| 73 | Multimodality resection of Oliveira Type IIIC* cerebellar AVM: A distinct entity. , 2022, 13, 163. |    | 0         |