

Prof. Dr. med. Ralf A. Kockro

Wissenschaftliche Veröffentlichungen

Scientific publications

September 2022

1. Kockro RA, Fabrig O. Mikrochirurgische Tumoroperationen in der modernen Neurochirurgie: Teil II: Gliome: Astrozytome - Glioblastome. **JOURNAL ONKOLOGIE**. 2022 Juli; Epub 2022 Jul 25.
2. Kockro RA, Schwandt E, Ringel F, Eisenring CV, Nowinski WL. Operative Anatomy of the Skull Base: 3D Exploration with a Highly Detailed Interactive Atlas. **J Neurol Surg B Skull Base**. 2021;83(Suppl 2):e298-e305. Published 2021 Jun 3.
3. Ayyad A, Alhoobi M, Kockro R, Shaaban A, Kessel G, Kanaan T, Dumour E, Hammadi F, Abu Jarir R, Al-Salihi MM. Lateral cervical approach for ventrally located upper cervical meningioma: experience of 14 cases with a narrative comparison with other surgical techniques. **Int J Neurosci**. 2022 Jul 15:1-9.
4. Schwandt E, Kockro R, Kramer A, Glaser M, Ringel F. Presurgical selection of the ideal aneurysm clip by the use of a three-dimensional planning system. **Neurosurg Rev**. 2022 Aug;45(4):2887-2894. Epub 2022 May 12.
5. Kockro R, Fabrig O. Mikrochirurgische Tumoroperationen in der modernen Neurochirurgie: Teil I – Das Meningeom. **JOURNAL ONKOLOGIE**. 2021 Dezember; Epub 2021 Dec 14.
6. Kockro RA, Wetzel S, Wanke I: Acoustic Hallucinations: Treatment by microsurgical resection of a temporal AVM. **Neurology and Psychiatry (in German)**. 2021, Accepted for publication
7. Alhoobi M, Khan A, Kockro RA, Ayyad A: Trans lamina terminalis approach to the hypothalamus via the supraorbital craniotomy: Technical note and comparison with other surgical corridors. **Asian Journal of Neurosurgery**. 2020 Aug 28;15(3): 660-665
8. Eisenring CV, Burn F, Baumann M, Stieglitz LH, Beck J, Raabe A, Kockro RA, Oertel MF: Smartphone-navigated placement of external ventricular drains. **Acta Neurochirurgica**, doi: 10.1007/s00701-019-04131-9, Nov 2019
9. Kockro RA, Killeen T, Ayyad A, Glaser M, Stadie A, Reisch R, Giese A, Schwandt E: Aneurysm surgery with pre-operative 3D planning in a Virtual Reality environment: Technique and outcome analysis. **World Neurosurgery**, 96: 489-499, Dec 2016
10. Kockro RA, Hauser SB, Bernays RL: In Reply: Glioblastoma Resection Guided by Flow Cytometry. **Neurosurgery** 78 (5): 761-2, May 2016
11. Kockro RA, Wetzel S: Kavernome im Hirnstamm: Perioperative Bildgebung und mikrochirurgische Strategien. **Neurologie & Psychiatrie**, Vol. 14, Nr. 2, Mai 2016
12. Hugelshofer MD, Koechlin NO, Hani M, Kockro RA, Reisch R: Endoscopic Fenestration of Intraventricular Cerebrospinal Fluid Cysts: The Contralateral Approach. **Journal of Neurosurgery**, 2:1-6. Oct 2015

13. Kockro RA, Amaxopoulou C, Killeen T, Wagner W, Reisch R, Schwandt E, Gutenberg A, Giese A, Stofft E, Stadie AT: Stereoscopic neuroanatomy lectures using a Virtual Reality environment.
***Annals of Anatomy*, 201:91-8, Sept 2015**
14. Hauser S, Kockro RA, Actor B, Sarthein J, Bernays R: Combining 5-ALA fluorescence and intra-operative MRI in glioblastoma surgery: a histology-based evaluation (Kockro is corresponding author and as equal first author)
***Neurosurgery*, Sept 2015**
15. Reisch R, Marcus HJ, Hugelshofer M, Koechlin NO, Stadie A, Kockro RA: Patients' cosmetic satisfaction, pain, and functional outcomes after supraorbital craniotomy through an eyebrow incision.
***Journal of Neurosurgery*, 30:1-5, May 2014**
16. Ulrich NH, Kockro RA, Bellut D, Amaxopoulou C, Bozinov O, Burkhardt JK, Sarthein J, Kollias SS, Bertalanffy H: Brainstem cavernoma surgery with the support of pre- and postoperative diffusion tensor imaging: initial experiences and clinical course of 23 patients. (Ulrich and Kockro as equal co-authorship)
***Neurosurgical Review*, 37(3):48, May 2014**
17. Kockro RA, Mallmann A, Renner R, Wetzel SG: Primäres ZNS Lymphom. Erweiterte MRI-Diagnostik (Spektroskopie, DWI, PWI) und MRI gestützte Biopsie.
***Neurologie & Psychiatrie*. Vol. 12, Nr. 1, Januar 2014**
18. Serra C, Huppertz HJ, Kockro RA, Grunwald T, Bozinov O, Krayenbühl N, Bernays RL: Rapid and accurate anatomical localization of implanted subdural electrodes in a Virtual Reality environment.
***J Neurol Surg A Cent Eur Neurosurg*. 74(3):175-82, May 2013**
19. Reisch R, Marcus H, Koechlin NO, Hugelshofer M, Stadie A, Kockro RA: Transcranial endoscope-assisted keyhole surgery: anterior fossa.
***Innovative Neurosurgery*, Vol:1: 77-89, May 2013**
20. Kockro RA: Neurosurgery simulators - Beyond the experiment.
***World Neurosurgery*, 8(5): 101-2, Nov 2013**
21. Kockro RA, Robert R, Serra L, Goh LC, Lee E, Stadie A: Image-Guided Neurosurgery with 3-Dimensional Multimodal Imaging Data on a Stereoscopic Monitor.
***Neurosurgery*, 72, 1:78-88, Jan 2013**
22. Stadie A, Kockro RA: Mono-Stereo-Autostereo: The Evolution of 3-Dimensional Neurosurgical Planning.
***Neurosurgery*, 72, 1:63-77, Jan 2013**
23. Kockro RA, Reisch R, Cesnulis E: [in German] Neuro-vaskulärer Konflikt im Bereich des Nervus trigeminus: Multi-modale 3D-Visualisierung und Planung der Dekompression am Simulator.
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24. Reisch R, Stadie A, Kockro RA, Hopf N: The Keyhole Concept in Neurosurgery.
***World Neurosurgery*, Feb 2012**
25. Lemm D, de Oliveira FH, Bernays RL, Kockro RA, Kollias S, Fischer I, Rushing EJ: Rare suprasellar glioblastoma: report of two cases and review of the literature.
***Brain Tumor Pathology*, Feb 2012**
26. Bellut D, Woernle CM, Burkhardt JK, Kockro RA, Bertalanffy H, Krayenbühl N: Subdural Drainage versus Subperiosteal Drainage in Burr-Hole Trepanation for Symptomatic Chronic Subdural Hematomas.
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Acta Neurochirurgica, 151:453-63, 2009
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Journal of Clinical Neuroscience, 16:786-9, 2009
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Minimally Invasive Neurosurgery 52:9-16, 2009
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