

## Publikationsliste Priv.-Doz. Dr. med. Christian Ewelt

(Stand: September 2019)

1. [Virtual Reality-Based Evaluation of Surgical Planning and Outcome of Monosegmental, Unilateral Cervical Foraminal Stenosis.](#)  
Zawy Alsofy S, Stroop R, Fusek I, Welzel Saravia H, Sakellaropoulou I, Yavuz M, **Ewelt C**, Nakamura M, Fortmann T.  
World Neurosurg. 2019 Sep;129:e857-e865. doi: 10.1016/j.wneu.2019.06.057. Epub 2019 Jun 15.
2. [Brain invasion in meningiomas: does surgical sampling impact specimen characteristics and histology?](#)  
Timme M, Thomas C, Spille DC, Stummer W, Ebel H, **Ewelt C**, Hans FJ, Schick U, Puchner M, Wildförster U, Bruns B, Trost HA, Holling M, Grauer O, Hess K, Brokinkel B.  
Neurosurg Rev. 2019 Jun 3. doi: 10.1007/s10143-019-01125-0. [Epub ahead of print]
3. [Heterotopic Neuroglial Tissue in Sphenoid Ridge.](#)  
Bruns AK, Jeibmann A, Brokinkel B, Holling M, Stummer W, **Ewelt C**.  
World Neurosurg. 2019 Feb;122:671-673. doi: 10.1016/j.wneu.2018.10.101. Epub 2018 Oct 25.
4. [Fluorescence-Based Measurement of Real-Time Kinetics of Protoporphyrin IX After 5-Aminolevulinic Acid Administration in Human In Situ Malignant Gliomas.](#)  
Kaneko S, Suero Molina E, **Ewelt C**, Warneke N, Stummer W.  
Neurosurgery. 2019 May 6. pii: nyz129. doi: 10.1093/neuros/nyz129. [Epub ahead of print]
5. [Dual labeling with 5-aminolevulinic acid and fluorescein in high-grade glioma surgery with a prototype filter system built into a neurosurgical microscope: technical note.](#)  
Suero Molina E, **Ewelt C**, Warneke N, Schwake M, Müther M, Schipmann S, Stummer W.  
J Neurosurg. 2019 Apr 26;1-7. doi: 10.3171/2018.12.JNS182422. [Epub ahead of print]
6. [Adverse events in brain tumor surgery: incidence, type, and impact on current quality metrics.](#)  
Schipmann S, Brix T, Varghese J, Warneke N, Schwake M, Brokinkel B, **Ewelt C**, Dugas M, Stummer W.  
Acta Neurochir (Wien). 2019 Feb;161(2):287-306. doi: 10.1007/s00701-018-03790-4. Epub 2019 Jan 11.
7. [Second-look strokectomy of cerebral infarction areas in patients with severe herniation.](#)  
Schwake M, Schipmann S, Müther M, Stögbauer L, Hanning U, Sporns PB, **Ewelt C**, Dziewas R, Minnerup J, Holling M, Stummer W.  
J Neurosurg. 2019 Jan 4:1-9. doi: 10.3171/2018.8.JNS18692. [Epub ahead of print]
8. [Spinal meningiomas - Risks and potential of an increasing age at the time of surgery.](#)  
Schwake M, Adeli A, Sporns P, **Ewelt C**, Schmitz T, Sicking J, Hess K, Căcilia Spille D, Paulus W, Stummer W, Brokinkel B.  
J Clin Neurosci. 2018 Nov;57:86-92. doi: 10.1016/j.jocn.2018.08.030. Epub 2018 Aug 23.
9. [Is Visible Aminolevulinic Acid-Induced Fluorescence an Independent Biomarker for Prognosis in Histologically Confirmed \(World Health Organization 2016\) Low-Grade Gliomas?](#)  
Jaber M, **Ewelt C**, Wölfer J, Brokinkel B, Thomas C, Hasselblatt M, Grauer O, Stummer W.  
Neurosurgery. 2019 Jun 1;84(6):1214-1224. doi: 10.1093/neuros/nyy365.
10. [In-Vitro Use of 5-ALA for Photodynamic Therapy in Pediatric Brain Tumors.](#)  
Schwake M, Nemes A, Dondrop J, Schroeteler J, Schipmann S, Senner V, Stummer W, **Ewelt C**.  
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11. [The difficulty of predicting clinical outcome after intended submaximal resection of large vestibular Schwannomas.](#)  
MacKenzie R, Sporns P, Zoubi T, Koopmann M, **Ewelt C**, Stummer W, Brokinkel B, Suero Molina E.  
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12. [Conscious sedation with dexmedetomidine compared with asleep-awake-asleep craniotomies in glioma surgery: an analysis of 180 patients.](#)  
Suero Molina E, Schipmann S, Mueller I, Wölfer J, **Ewelt C**, Maas M, Brokinkel B, Stummer W.  
J Neurosurg. 2018 Nov 1;129(5):1223-1230. doi: 10.3171/2017.7.JNS171312.
13. [Illumination in Spinal Surgery Depending on Different Approaches and Light Sources.](#)  
Wilbers E, **Ewelt C**, Schipmann S, Stummer W, Klingenhöfer M.  
World Neurosurg. 2017 Sep;105:585-590. doi: 10.1016/j.wneu.2017.06.013. Epub 2017 Jun 9.
14. [Dual-labeling with 5-aminolevulinic acid and fluorescein for fluorescence-guided resection of high-grade gliomas: technical note.](#)  
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15. [5-Aminolaevulinic Acid-Induced Fluorescence in Primary Central Nervous System Lymphoma.](#)  
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World Neurosurg. 2017 Feb;98:375-380. doi: 10.1016/j.wneu.2016.11.011. Epub 2016 Nov 9.
16. [Human glioblastoma stem-like cells accumulate protoporphyrin IX when subjected to exogenous 5-aminolaevulinic acid, rendering them sensitive to photodynamic treatment.](#)  
Schimanski A, Ebbert L, Sabel MC, Finocchiaro G, Lamszus K, **Ewelt C**, Etminan N, Fischer JC, Sorg RV.  
J Photochem Photobiol B. 2016 Oct;163:203-10. doi: 10.1016/j.jphotobiol.2016.08.043. Epub 2016 Aug 27.
17. [5-ALA Fluorescence in Native Pituitary Adenoma Cell Lines: Resection Control and Basis for Photodynamic Therapy \(PDT\)?](#)  
Nemes A, Fortmann T, Poeschke S, Greve B, Prevedello D, Santacrose A, Stummer W, Senner V, **Ewelt C**.  
PLoS One. 2016 Sep 1;11(9):e0161364. doi: 10.1371/journal.pone.0161364. eCollection 2016.
18. [When the Infection Hits the Wound: Matched Case-Control Study in a Neurosurgical Patient Collective Including Systematic Literature Review and Risk Factors Analysis.](#)  
Schipmann S, Akalin E, Doods J, **Ewelt C**, Stummer W, Suero Molina E.  
World Neurosurg. 2016 Nov;95:178-189. doi: 10.1016/j.wneu.2016.07.093. Epub 2016 Aug 6. Review.
19. [Intraoperative myelography of traumatic spine injury in patients with ankylosing spondylitis. Technical note.](#)  
Schwake M, Zoubi T, Schipmann S, Stummer W, **Ewelt C**.  
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20. [ADAMTS genes and the risk of cerebral aneurysm.](#)  
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22. [The Value of 5-Aminolevulinic Acid in Low-grade Gliomas and High-grade Gliomas Lacking Glioblastoma Imaging Features: An Analysis Based on Fluorescence, Magnetic Resonance Imaging, 18F-Fluoroethyl Tyrosine Positron Emission Tomography, and Tumor Molecular Factors.](#)  
Jaber M, Wölfer J, **Ewelt C**, Holling M, Hasselblatt M, Niederstadt T, Zoubi T, Weckesser M, Stummer W.  
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23. [Fluorescence in neurosurgery: Its diagnostic and therapeutic use. Review of the literature.](#)  
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24. [Cerebrospinal fluid leakage in Gorham-Stout disease due to dura mater involvement after progression of an osteolytic lesion in the thoracic spine.](#)  
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25. [Gamma Knife radiosurgery following subtotal resection of vestibular schwannoma.](#)  
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J Clin Neurosci. 2014 Dec;21(12):2077-82. doi: 10.1016/j.jocn.2014.03.037. Epub 2014 Jul 22. Review.
26. [Glioma tissue obtained by modern ultrasonic aspiration with a simple sterile suction trap for primary cell culture and pathological evaluation.](#)  
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27. [Surgical treatment of lumbosacral pseudarthrosis and spondyloptosis in a patient with neurofibromatosis type 1 and a large lumbar anterior meningocele. Case report and review of the literature.](#)  
Brokinkel B, Schroeteler J, Kasprzak B, Brentrup A, **Ewelt C**, Stummer W, Klingenhöfer M. J Neurol Surg A Cent Eur Neurosurg. 2015 Mar;76(2):172-5. doi: 10.1055/s-0034-1372439. Epub 2014 May 12. Review.
28. [Kinetics of porphyrin fluorescence accumulation in pediatric brain tumor cells incubated in 5-aminolevulinic acid.](#)  
Schwake M, Günes D, Köchling M, Brentrup A, Schroeteler J, Hotfilder M, Fruehwald MC, Stummer W, **Ewelt C**. Acta Neurochir (Wien). 2014 Jun;156(6):1077-84. doi: 10.1007/s00701-014-2096-7. Epub 2014 Apr 29.
29. [Evaluation of post-operative complications associated with repeat resection and BCNU wafer implantation in recurrent glioblastoma.](#)  
Samis Zella MA, Wallocha M, Slotty PJ, Isik G, Hänggi D, Schroeteler J, **Ewelt C**, Steiger HJ, Sabel M. Acta Neurochir (Wien). 2014 Feb;156(2):313-23. doi: 10.1007/s00701-013-1931-6. Epub 2013 Nov 28.
30. [Routine postoperative CT-scans after burr hole trepanation for chronic subdural hematoma - better before or after drainage removal?](#)  
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31. [Aquaporin-4 in glioma and metastatic tissues harboring 5-aminolevulinic acid-induced porphyrin fluorescence.](#)  
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32. [Cerebellar anaplastic astrocytoma in an adult with neurofibromatosis type 1: case report and review of literature.](#)  
Brokinkel B, Schober O, **Ewelt C**, Heindel W, Hargus G, Stummer W, Holling M, Wölfer J. J Neurol Surg A Cent Eur Neurosurg. 2013 Dec;74 Suppl 1:e203-6. doi: 10.1055/s-0033-1342938. Epub 2013 May 13.
33. [Surgical treatment in a patient with Klippel-Feil syndrome and anterior cervical meningomyelocele: a case report and review of literature.](#)  
Brokinkel B, Wiebe K, Hesselmann V, Filler TJ, **Ewelt C**, Müller-Hofstede C, Stummer W, Klingenhöfer M. Eur Spine J. 2013 May;22 Suppl 3:S517-20. doi: 10.1007/s00586-013-2769-6. Epub 2013 Apr 12. Review.
34. [Dynamic ICG fluorescence provides better intraoperative understanding of arteriovenous fistulae.](#)  
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35. [Diagnostic performance of 18F-FET PET in newly diagnosed cerebral lesions suggestive of glioma.](#)  
Rapp M, Heinzl A, Galldiks N, Stoffels G, Felsberg J, **Ewelt C**, Sabel M, Steiger HJ, Reifenberger G, Beez T, Coenen HH, Floeth FW, Langen KJ. J Nucl Med. 2013 Feb;54(2):229-35. doi: 10.2967/jnumed.112.109603. Epub 2012 Dec 11.
36. [Localization techniques in resection of deep seated cavernous angiomas - review and reevaluation of frame based stereotactic approaches.](#)  
Slotty PJ, **Ewelt C**, Sarikaya-Seiwert S, Steiger HJ, Vesper J, Hänggi D. Br J Neurosurg. 2013 Apr;27(2):175-80. doi: 10.3109/02688697.2012.743967. Epub 2012 Nov 26. Review.
37. [Prospective cohort study of radiotherapy with concomitant and adjuvant temozolomide chemotherapy for glioblastoma patients with no or minimal residual enhancing tumor load after surgery.](#)  
Stummer W, Meinel T, **Ewelt C**, Martus P, Jakobs O, Felsberg J, Reifenberger G. J Neurooncol. 2012 May;108(1):89-97. doi: 10.1007/s11060-012-0798-3. Epub 2012 Feb 4.
38. [Finding the anaplastic focus in diffuse gliomas: the value of Gd-DTPA enhanced MRI, FET-PET, and intraoperative ALA-derived tissue fluorescence.](#)  
**Ewelt C**, Floeth FW, Felsberg J, Steiger HJ, Sabel M, Langen KJ, Stoffels G, Stummer W.

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39. [Comparison of \(18\)F-FET PET and 5-ALA fluorescence in cerebral gliomas.](#)  
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40. [Health-related quality of life following spinal cordectomy for syringomyelia.](#)  
Gautschi OP, Seule MA, Cadosch D, Gores M, **Ewelt C**, Hildebrandt G, Heilbronner R.  
Acta Neurochir (Wien). 2011 Mar;153(3):575-9. doi: 10.1007/s00701-010-0869-1. Epub 2010 Nov 16.
41. [Glioblastoma multiforme of the elderly: the prognostic effect of resection on survival.](#)  
**Ewelt C**, Goepfert M, Rapp M, Steiger HJ, Stummer W, Sabel M.  
J Neurooncol. 2011 Jul;103(3):611-8. doi: 10.1007/s11060-010-0429-9. Epub 2010 Oct 16.
42. [Impact of cordectomy as a treatment option for posttraumatic and non-posttraumatic syringomyelia with tethered cord syndrome and myelopathy.](#)  
**Ewelt C**, Stalder S, Steiger HJ, Hildebrandt G, Heilbronner R.  
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43. [Cordectomy as final treatment option for diffuse intramedullary malignant glioma using 5-ALA fluorescence-guided resection.](#)  
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