

## Auswahl an Publikationen der Arbeitsgruppe Radiochirurgie und Vaskuläre Neurochirurgie

### 2023

Dodier P, Kranawetter B, Hirschmann D, Dogan M, Cho A, Untersteiner H, Göbl P, Gatterbauer B, Wang WT, Dorfer C, Rössler K, Bavinzski G, Frischer JM. **Outcome of 107 conservatively managed unruptured brain arteriovenous malformations: a single center's 30-year experience.** J Neurosurg 2023 Mar 24;1-1, *IF: 5.4*

### 2022

Hirschmann D, Czech T, Roessler K, Krachsberger P, Paliwal S, Ciobanu-Caraus O, Cho A, Peyrl A, Feucht M, Frischer JM, Dorfer C. **How can we optimize the long-term outcome in children with intracranial cavernous malformations? A single-center experience of 61 cases.** Neurosurg Rev. 2022 Oct;45(5):3299-3313, *IF:3.4*

Haider L, Hametner S, Endmayr V, Mangesius S, Eppensteiner A, Frischer JM, Iglesias JE, Barkhof F, Kasprian G. **Post-mortem correlates of Virchow-Robin spaces detected on in vivo MRI.** J Cereb Blood Flow Metab. 2022 Jul;42(7):1224-1235; *IF:6.0*

Cho A, Medvedeva K, Kranawetter B, Untersteiner H, Hirschmann D, Lepilina O, Baulin A, Buschmann M, Ertl A, Marik W, Dorfer C, Rössler K, Gatterbauer B, Ilyalov S, Frischer JM. **How to dose-stage large or high-risk brain metastases: an alternative two-fraction radiosurgical treatment approach.** J Neurosurg. 2022 Apr 15:1-10, *IF: 5.4*

Cho A, Hennenberg J, Untersteiner H, Hirschmann D, Gatterbauer B, Zöchbauer-Müller S, Hochmair MJ, Preusser M, Rössler K, Dorfer C, Frischer JM\*, Furtner J. **Influence of temporal muscle thickness on the outcome of radiosurgically treated patients with brain metastases from non-small cell lung cancer.** J Neurosurg. 2022 Feb 4:1-7, *IF: 5.4, \*corresponding author*

Dodier P, Wang WT, Hosmann A, Hirschmann D, Marik W, Frischer JM, Gruber A, Rössler K, Bavinzski G. **Combined standard bypass and parent artery occlusion for management of giant and complex internal carotid artery aneurysms.** J Neurointerv Surg. 2022 Jun;14(6):593-598, *IF: 8.6*

### 2021

Hirschmann D, Kranawetter B, Tomschik M, Wais J, Winter F, Frischer JM, Millesi M, Herta J, Roessler K, Dorfer C. **New-onset seizures after cranioplasty-a different view on a putatively frequently observed phenomenon.** Acta Neurochir 2021 May;163(5):1437-1442, *IF: 1.8*

Cho A, Untersteiner H, Fitschek F, Khalaveh F, Pruckner P, Pavo N, Rössler K, Dorfer C, Gatterbauer B, Höller C, Schmidinger M, Frischer JM. **The clinical relevance of laboratory prognostic scores for patients with radiosurgically treated brain metastases of non-pulmonary primary tumor.** J Neurooncol 2021, *IF: 4.5*

Cho A, Kranawetter B, Untersteiner H, Khalaveh F, Dorfer C, Rössler K, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, Frischer JM. **Neutrophil-to-Lymphocyte Ratio is superior to other leucocyte-based ratios as a prognostic predictor in radiosurgically treated non-small cell lung cancer brain metastases patients under immunotherapy or targeted therapy.** *World Neurosurg.* 2021 Apr 18:S1878-8750, *IF: 2.1*

Cho A, Untersteiner H, Hirschmann D, Fitschek F, Dorfer C, Rössler K, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, Frischer JM. **Pre-radiosurgery leucocyte ratios and modified Glasgow prognostic score predict survival in non-small cell lung cancer brain metastases patients.** *J Neurooncol.* 2021 Jan;151(2):257-265, *IF: 4.5*

## 2020

Cho A, Untersteiner H, Hirschmann D, Shaltout A, Göbl P, Dorfer C, Rössler K, Marik W, Kirchbacher K, Kapfhammer I, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, Frischer JM. **Gamma Knife Radiosurgery for Brain Metastases in Non-Small Cell Lung Cancer Patients Treated with Immunotherapy or Targeted Therapy.** *Cancers (Basel).* 2020 Dec 7;12(12):3668, *IF: 6.1*

Gatterbauer B, Hirschmann D, Eberherr N, Untersteiner H, Cho A, Shaltout A, Göbl P, Fitschek F, Dorfer C, Wolfsberger S, Kasprian G, Höller C, Frischer JM. **Toxicity and efficacy of Gamma Knife radiosurgery for brain metastases in melanoma patients treated with immunotherapy or targeted therapy-A retrospective cohort study.** *Cancer Med.* 2020 Jun;9(11):4026-4036, *IF: 3.4*

Micko A, Rötzer T, Hoftberger R, Vila G, Oberndorfer J, Frischer JM, Knosp E, Wolfsberger S. **Expression of additional transcription factors is of prognostic value for aggressive behavior of pituitary adenomas.** *J Neurosurg.* 2020 Apr 17:1; *IF: 5.4*

Dodier P, Auzinger T, Mistelbauer G, Wang WT, Ferraz-Leite H, Gruber A, Marik W, Winter F, Fischer G, Frischer JM, Bavinzski G. **Novel software-derived workflow in EC-IC bypass surgery validated by transdural ICG videoangiography.** *World Neurosurg.* 2020 Feb;134:e892-e902, *IF 2.1*

Hirschmann D, Göbl P, Witte FH, Gatterbauer B, Wang WT, Dodier P, Bavinzski G, Ertl A, Marik W, Rötzer T, Eisner W, Kitz K, Frischer JM. **Evaluation of the radiosurgical treatment of cerebral arteriovenous malformations – a single-center analysis of three decades.** *J Neurointerv Surg.* 2020 Apr;12(4):401-406, *IF: 8.6*

## 2019

Başaran AE, Kiesel B, Frischer JM, Furtner J, Wöhrer A, Dieckmann K, Dorfer C. **Intrameningioma Metastasis: A Wolf in Sheep's Clothing? Experience from a Series of 7 Cases.** *World Neurosurg.* 2019 Dec;132, *IF: 2.1*

Steindl A, Schlieter F, Klikovits T, Leber E, Gatterbauer B, Frischer JM, Dieckmann K, Widhalm G, Zöchbauer-Müller S, Reza Hoda MA, Preusser M, Berghoff AS. **Prognostic assessment in patients**

**with newly diagnosed small cell lung cancer brain metastases: results from a real-life cohort.** J Neurooncol. 2019 Oct;145(1):85-95. *IF* 3.1

Dodier P, Winter F, Auzinger T, Mistelbauer G, Frischer JM, Wang WT, Mallouhi A, Marik, M, Wolfsberger S, Reissig L, Hammadi F, Kiesel B, Matula C, Baumann A, Bavinzski G. **Single-stage bone resection and cranioplastic reconstruction: comparison of a novel software-derived PEEK workflow with the standard reconstructive method.** *Int J Oral Maxillofac Surg.* 2019 Dec 20. *IF* 2.2

Hosmann A, Micko A, Frischer JM, Roetzer T, Vila G, Wolfsberger S, Knosp E. **Multiple Pituitary Apoplexy-Cavernous Sinus Invasion as Major Risk Factor for Recurrent Hemorrhage.** *World Neurosurg.* 2019 Mar 7. *IF*: 2.1

## 2018

Frischer JM, Gruber E, Schöffmann V, Ertl A, Höftberger R, Mallouhi A, Wolfsberger S, Arnoldner C, Eisner W, Knosp E, Kitz K, Gatterbauer B. **Long-term outcome after Gamma Knife radiosurgery for acoustic neuroma of all Koos grades: a single-center study.** *J Neurosurg.* 2018 Mar 2:1-10, *IF*: 5.4

Dodier P, Frischer JM, Wang WT, Auzinger T, Mallouhi A, Serles W, Gruber A, Knosp E, Bavinzski G. **Immediate Flow Disruption as a Prognostic Factor After Flow Diverter Treatment: Long-Term Experience with the Pipeline Embolization Device.** *World Neurosurg.* 2018 Feb 23. *IF*: 2.1

## 2017

Gatterbauer B, Gevsek S, Höftberger R, Lütgendorf-Caucig C, Ertl A, Mallouhi A, Kitz K, Knosp E, Frischer JM. **Multimodal treatment of parasagittal meningiomas – a single-center experience.** *J Neurosurg.* 2017 Feb 3:1-8. *IF*: 5.4

## 2016

Frischer JM, Marosi C, Wöhrer A, Hainfellner JA, Dieckmann K, Eiter H, Wang WT, Mallouhi A, Ertl A, Knosp E, Filipits M, Kitz K, Gatterbauer B. **Gamma Knife radiosurgery in recurrent glioblastoma.** *Stereotact Funct Neurosurg.* 2016;94(4):265-272. *IF* 1.7

Frischer JM, Fraller A, Mallouhi A, Vogl UM, Baier F, Ertl A, Preusser M, Knosp E, Kitz K, Gatterbauer B. **Evaluation of a dose-staged Gamma Knife radiosurgical treatment method for high-risk brain metastases.** *World Neurosurg.* 2016 Oct;94:352-359 *IF*: 2.1

## 2014

Haider L, Simeonidou C, Steinberger G, Hametner S, Grigoriadis N, Deretzi G, Kovacs G, Kutzelnigg A, Lassmann H, Frischer JM. **Multiple Sclerosis Deep Grey Matter: The Relation between Demyelination, Inflammation, Oxidative Stress, and Iron.** *J Neurol Neurosurg Psychiatry.* 2014 Dec;85(12):1386-95 *IF*: 13.7

Frischer JM, Gatterbauer B, Holzer S, Stavrou I, Gruber A, Trattig S, Mert A, Wang WT, Hainfellner JA, Mallouhi A, Kitz K, Knosp E. **Microsurgery and Radiosurgery in Brainstem and Thalamus**

**Cavernomas: Effective and complementary treatment options.** World Neurosurg. 2014 Mar-Apr;81(3-4):520-528 *IF: 2.1*