



MEDIZINISCHE
FAKULTÄT

Forschungsbericht 2024

Institut für Neuropathologie

INSTITUT FÜR NEUROPATHOLOGIE

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1. LEITUNG

Professor Dr. med. Christian Mawrin

2. HOCHSCHULLEHRER/INNEN

Professor Dr. med. Christian Mawrin

3. FORSCHUNGSPROFIL

- Rolle mitochondrialer Eisenproteine im Gehirn
- Rolle von mTORC1 und seine pharmakologische und gentechnische Manipulierbarkeit in Meningeomen
- Differentielle Expression und Bedeutung einzelner miRNAs in Meningeomen unterschiedlicher WHO-Grade
- Einfluss von Stoffwechselfparametern und mTOR-Komplexen für die Migration von Tumorzellen
- Kleine GTPasen bei Meningeomen
- Neue onkogene Mutationen bei Meningeomen (AKT1, KLF4, SMO)

4. EIGENE KONGRESSE, WISSENSCHAFTLICHE TAGUNGEN UND EXPONATE AUF MESSEN

Jahrestagung der Deutschen Gesellschaft für Neuropathologie und Neuroanatomie im September 2019 in Magdeburg

5. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Dumitru, Claudia-Alexandra; Walter, Nikolas; Siebert, Carl Ludwig Raven; Schäfer, Frederik Till Alexander; Rashidi, Ali; Neyazi, Belal; Stein, Klaus-Peter; Mawrin, Christian; Sandalcioğlu, I. Erol

The roles of AGTRAP, ALKBH3, DIVERSIN, NEDD8 and RRM1 in glioblastoma pathophysiology and prognosis
Biomedicines - Basel : MDPI, Bd. 12 (2024), Heft 4, Artikel 926, insges. 16 S.

[Imp.fact.: 3.9]

Gos, Anna; Steiner, Johann; Trübner, Kurt; Ungewickell, Jonas; Mawrin, Christian; Karnecki, Karol; Kaliszan, Michał; Gos, Tomasz

Inverse pattern of GABAergic system impairment in the external versus internal globus pallidus in male heroin addicts

European archives of psychiatry and clinical neuroscience - Darmstadt : Steinkopff, Bd. 274 (2024), Heft 2, S. 445-452

[Imp.fact.: 3.5]

Kaya, Tamer A.; Stein, Klaus-Peter; Schaufler, Anna; Neyazi, Belal; Rashidi, Ali; Kahlert, Ulf D.; Mawrin, Christian; Sandalcioğlu, I. Erol; Dumitru, Claudia-Alexandra

The tumor-neutrophil interactions in the microenvironment of brain metastases with different primary sites

Journal of leukocyte biology - Kettering : Oxford University Press, Bd. 116 (2024) ;

[Accepted manuscript]

[Imp.fact.: 3.6]

Kohl, Jana; König, Rebecca E.; Kraus, Armin; Mawrin, Christian; Paukisch, Harald; Stein, Klaus-Peter; Rashidi, Ali; Luchtmann, Michael; Sandalcioğlu, I. Erol; Lilla, Nadine

Angiosarcoma on top of a meningioma mimicking a transosseous meningioma - an interdisciplinary point of view
Journal of neurological surgery. Part A, Central European neurosurgery - New York, NY : Thieme, Bd. 85 (2024), Heft 4, S. 417-421

[Imp.fact.: 0.9]

Kögler, Christine; Ullrich, Bernhard Wilhelm; Schaser, Klaus-Dieter; Disch, Alexander C.; Hofmann, Gunther O.; Göhre, Felix; Mawrin, Christian; Vogt, Matthias

Rare primary dedifferentiated liposarcoma of the thoracic spine - a case report and literature review

Brain and spine - [Amsterdam]: Elsevier B.V., Bd. 4 (2024), Artikel 103920, insges. 8 S.

[Imp.fact.: 1.9]

Luchtmann, Michael; Klammer, Angelika; Iova, Mircea-Alin; Roth, André; Chanamolu, Vijay Kumar; Mawrin, Christian; Warnke, Jan-Peter

Thecaloscopy reduces the risk of recurrent perineural (Tarlov) cysts after microsurgical resection

Neurology international - Pavia : PAGEPress, Bd. 16 (2024), Heft 2, S. 450-458

[Imp.fact.: 3.2]

Luchtmann, Michael; Klammer, Angelika; Iova, Mircea-Alin; Roth, André; Mawrin, Christian; Warnke, Jan-Peter

Combined endoscopic and microsurgical treatment of Tarlov cysts

Interdisciplinary Neurosurgery - Amsterdam [u.a.]: Elsevier, Bd. 36 (2024), Artikel 101925, insges. 6 S.

[Imp.fact.: 0.4]

Pinchuk, Anatoli; Geginat, Gernot; Rickerts, Volker; Neyazi, Belal; Stein, Klaus-Peter; Mawrin, Christian; Sandalcioğlu, I. Erol; Rashidi, Ali

Late relapse of previous pulmonary cryptococcosis with symptoms resembling cerebral infarction - a case report

Case reports in infectious diseases - New York, NY : Hindawi . - 2024, Artikel 3905985, insges. 6 S.

[Imp.fact.: 1.0]

Ritter, Marvin; Yomade, Olaposi Lawrence; Holtz, Ben-Ole; Deinhardt-Emmer, Stefanie; Lawson McLean, Aaron; Hartinger, Stefanie; Bechwar, Julia; Schwab, Matthias; Huss, André Michael; Mawrin, Christian; Axer, Hubertus; Schrenk, Karin Gabriela; Reuken, Philipp Alexander; Mäurer, Irina

Chronic hepatitis E virus-induced spinal cord atrophy in a patient with chronic lymphatic leukemia - a case report and interdisciplinary management proposal

Frontiers in immunology - Lausanne : Frontiers Media, Bd. 15 (2024), Artikel 1445944, insges. 8 S.
[Imp.fact.: 5.7]

Wang, Justin Z.; Landry, Alexander P.; Raleigh, David R.; Sahm, Felix; Walsh, Kyle M.; Goldbrunner, Roland; Yefet, Leeor S.; Tonn, Jörg-Christian; Gui, Chloe; Ostrom, Quinn T.; Barnholtz-Sloan, Jill; Perry, Arie; Ellenbogen, Yosef; Hanemann, C. Oliver; Jungwirth, Gerhard; Jenkinson, Michael D.; Tabatabai, Ghazaleh; Mathiesen, Tiit; McDermott, Michael W.; Tatagiba, Marcos; La Fougère, Christian Jean; Maas, Sybren L. N.; Galldiks, Norbert; Albert, Nathalie; Brastianos, Priscilla K.; Ehret, Felix; Minniti, Giuseppe; Lamszus, Katrin; Ricklefs, Franz Lennard; Schittenhelm, Jens Florian; Drummond, Katharine J.; Dunn, Ian F.; Pathmanaban, Omar N.; Cohen-Gadol, Aaron A.; Sulman, Erik P.; Tabouret, Emeline; Rhun, Emelie Le; Mawrin, Christian; Moliterno, Jennifer; Weller, Michael; Bi, Wenya Linda; Gao, Andrew; Yip, Stephen; Niyazi, Karim-Maximilian; Aldape, Kenneth; Wen, Patrick Y.; Short, Susan; Preusser, Matthias; Nassiri, Farshad; Zadeh, Gelareh

Meningioma - International Consortium on Meningiomas consensus review on scientific advances and treatment paradigms for clinicians, researchers, and patients

Neuro-Oncology - Oxford : Oxford Univ. Press, Bd. 26 (2024), Heft 10, S. 1742-1780

[Imp.fact.: 16.4]

Wang, Justin Z.; Patil, Vikas; Landry, Alexander P.; Gui, Chloe; Ajisebutu, Andrew; Liu, Jeff; Saarela, Olli; Pugh, Stephanie L.; Won, Minhee; Patel, Zeel; Yakubov, Rebeca; Kaloti, Ramneet; Wilson, Christopher; Cohen-Gadol, Aaron A.; Zaazoue, Mohamed A.; Tabatabai, Ghazaleh; Tatagiba, Marcos; Behling, Felix; Bonnin, Damian A. Almiron; Holland, Eric C.; Kruser, Tim J.; Barnholtz-Sloan, Jill S.; Sloan, Andrew E.; Horbinski, Craig; Chotai, Silky; Chambless, Lola B.; Gao, Andrew; Rebchuk, Alexander D.; Makarenko, Serge; Yip, Stephen; Sahm, Felix; Maas, Sybren L. N.; Tsang, Derek S.; Rogers, C. Leland; Aldape, Kenneth; Nassiri, Farshad; Zadeh, Gelareh; Mawrin, Christian

Molecular classification to refine surgical and radiotherapeutic decision-making in meningioma

Nature medicine - [New York, NY]: Springer Nature, Bd. 30 (2024), Heft 11, S. 3173-3183

[Imp.fact.: 58.7]

ARTIKEL IN ZEITSCHRIFT

Plontke, Stefan K.-R.; Hoffmann, Katrin; Cayé-Thomasen, Per; Baasanjav, Sevjidmaa; Kösling, Sabrina; Leisz, Sandra; Liebau, Arne; Mawrin, Christian; Rahne, Torsten; Scheffler, Jonas; Strauss, Christian; Siebolts, Udo

Unilateral multifocal inner ear and internal auditory canal or cerebellopontine angle cochleovestibular schwannomas - genetic analysis and management by surgical resection and cochlear implantation

Otology & neurotology - Philadelphia, Pa. : Lippincott Williams & Wilkins, Bd. 45 (2024), Heft 5, S. 580-586