

## A. PUBLICATIONS

### 1. Original Contributions (First/Last Authorship)

18. Megele R, Riemenschneider M, Dodoo-Schittko F, Feyrer M, *Kleindienst A*: Intra-tumoral treatment with oxygen-ozone in glioblastoma: A systematic literature search and results of a case series. September 2018, Oncology letters. (1.554)
17. *Kleindienst A*, Hannon MJ, Buchfelder M, Verbalis JG: Hyponatremia in Neurotrauma: The Role of Vasopressin. J Neurotrauma. 2016 Apr 1;33(7):615-24. (5.19)
16. Klinger A, Buchfelder M, Schlaffer SM, Kremenevskaja N, *Kleindienst A*: Infection surveillance in transsphenoidal pituitary surgery - Comparison of lipopolysaccharid-binding-protein, interleukin 6, C-reactive protein, white blood cell count, erythrocyte sedimentation rate and body temperature. Acta Neurochir, 155(11):2177-82, 2013. (1.929)
15. Brandner S, Thaler C, Lewczuk P, Lelental N, Buchfelder M, *Kleindienst A*: Neuroprotein dynamics in the cerebrospinal fluid: Intraindividual concomitant ventricular and lumbar measurements. Europ Neurol, 70:189–194, 2013. (1.5)
14. *Kleindienst A*, Grünbeck F, Buslei R, Emtmann I, Buchfelder M: Intraperitoneal treatment with S100B enhances hippocampal neurogenesis in juvenile mice and after experimental brain injury. Acta Neurochir, 155(7):1351-60, 2013. (1.929)
13. Brandner S, Thaler C, Buchfelder M, *Kleindienst A*: Brain-derived protein concentrations in the cerebrospinal fluid: Contribution of trauma from ventricular drain insertion. J Neurotrauma, 30(13):1205-10, 2013. (5.19)
12. *Kleindienst A*, Dunbar J, Glisson R, Marmarou M: The role of vasopressin V1A receptors in cytotoxic brain edema formation following brain injury. Acta Neurochir, 155(1):151-64, 2013. (1.929)
11. Fazzina G, Amorini AM, Marmarou C, Fukui S, Okuno K, Glisson R, Marmarou A, *Kleindienst A*: The PKC activator phorbol myristate acetate decreases brain edema by AQP4 down-regulation following middle cerebral artery occlusion in the rat. J Neurotrauma 27(2):453-61, 2009. (5.19)
10. *Kleindienst A*, Brabant G, Bock C, Maser-Gluth C, Buchfelder M: Neuroendocrine function following traumatic brain injury and subsequent intensive care treatment: A prospective longitudinal evaluation. J Neurotrauma 26(9):1435-46, 2009. (5.19)
9. *Kleindienst A*, Toliás CM, Corwin FD, Müller C, Marmarou A, Fatouros P, Bullock MR: Assessment of cerebral S100B levels by proton magnetic resonance spectroscopy after lateral fluid percussion injury in the rat. J Neurosurg 102:1115-21, 2005. (3.148)
8. *Kleindienst A*, McGinn M, Harvey HB, Collelo RJ, Hamm JR, Bullock MR: Enhanced hippocampal neurogenesis by intraventricular S100B infusion is associated with improved cognitive recovery after traumatic brain injury. J Neurotrauma 22(6):645-55, 2005. (5.19)

7. Kleindienst A, Rice AC, Harvey HB, Müller C, Gaab MR, Bullock MR: Intraventricular infusion of the neurotrophic protein S100B improves cognitive recovery after fluid percussion injury in the rat. *J Neurotrauma* 21(5):541-547, 2004. (5.19)
6. Kleindienst A, Hildebrandt G, Kroemer AS, Franke G, Gaab MR, Landgraf R: Hypothalamic neuropeptide release after experimental subarachnoid hemorrhage. In-vivo microdialysis study. *Acta Neurol Scand* 109(5):361-368, 2004. (3.126)
5. Kleindienst A, Harvey HB, Mater E, Bronst J, Flack J, Herenz K, Haupt WF, Schön R: Early antithrombotic prophylaxis with low molecular weight heparin in neurosurgery. *Acta Neurochir* 145(12):1085-1091, 2003. (1.929)
4. Kleindienst A, Haupt WF, Hildebrandt G: Brain death and organ donation in Germany. Analysis of procurement in a neurosurgical unit and review of press reports. *Acta Neurochir* 141:641-646, 1999. (1.929)
3. Kleindienst A, Hamm B, Lanksch WR: Carpal tunnel syndrome. Staging of median nerve compression by MR imaging. *J Magn Res Imag* 8:1119-1125, 1998. (2.57)
2. Kleindienst A, Hamm B, Hildebrandt G, Seyfert S, Klug N: Diagnosis and staging of carpal tunnel syndrome. Comparison of magnetic resonance imaging and intra operative findings. *Acta Neurochir* 138:228-233, 1996. (1.929)
1. Kleindienst A, Hildebrandt G, Klug N, Schön R: Management of vein of Galen malformations. A review based on five neurosurgically treated cases and review of the literature. *Zentralbl Neurochir* 60:172-182, 1999. (1.29)

## 2. Original Contributions (Co-Authorship)

14. Stadlbauer A, Oberndorfer S, Zimmermann M, Renner B, Buchfelder M, Heinz G, Doerfler A, Kleindienst A, Roessler K: Physiologic MR imaging of the tumor microenvironment revealed switching of metabolic phenotype upon recurrence of glioblastoma in humans. *JCBFM* 2019 Feb doi: 10.1177/0271678X19827885 (6.045)
13. Stadlbauer A, Roessler K, Zimmermann M, Buchfelder M, Kleindienst A, Doerfler A, Heinz G, Oberndorfer S: Predicting Glioblastoma Response to Bevacizumab Through MRI Biomarkers of the Tumor Microenvironment. *Mol Imaging Biol.* 2018 Oct 25. doi: 10.1007/s11307-018-1289-5. (3.466)
12. Kellermann I, Kleindienst A, Hore N, Buchfelder M, Brandner S: Early CSF and Serum S100B Concentrations for Outcome Prediction in Traumatic Brain Injury and Subarachnoid Hemorrhage. *Clin Neurol Neurosurg.* 2016 Jun;145:79-83. (1.736)
11. Zoicas F, Kleindienst A, Mayr B, Buchfelder M, Megele R, Schöfl C: Screening for Acromegaly in Patients with Carpal Tunnel Syndrome: A Prospective Study (ACROCARP). *Horm Metab Res.* 2016 Jul;48(7):452-6. (2.560)
10. Brandner S, Thaler C, Lelental N, Buchfelder M, Kleindienst A, Maler JM, Kornhuber J, Lewczuk P: Ventricular and lumbar cerebrospinal fluid concentrations of the Alzheimer's Disease biomarkers in patients with Normal Pressure Hydrocephalus and Posttraumatic Hydrocephalus. *J Alzheimer's Disease,* 41(4):1057-62, 2014. (4.17)

9. Mendelow AD, Gregson BA, Rowan EN, Murray GD, Gholkar A, Mitchell PM; STICH II Investigators: Early surgery versus initial conservative treatment in patients with spontaneous supratentorial lobar intracerebral haematomas (STICH II): a randomised trial. *Lancet* 382(9890):397-408, 2013. (39.06)
8. Khattak MNK, Buchfelder M, Kleindienst A, Schöfl C, Kremenevskaja N: CRH and SRIF have opposite effects on the Wnt/ $\beta$ -Catenin signalling pathway through PKA/GSK-3 $\beta$  in corticotroph pituitary cells. *Cancer Invest* 28(8):797-805, 2010. (2.238)
7. Kreutzer J, Kleindienst A, Akutsu H, Bidlingmaier M, Schöfl C, Buchfelder M: Pituitary deficiency 3 and 12 months after traumatic brain injury or subarachnoid hemorrhage – A prospective longitudinal study on pituitary function using different methods of dynamic neuroendocrine evaluation. *Exp Clin Endocrin & Diab* 116(09), 2008. (2.56)
6. Schaller BJ, Kleindienst A, Kruschat T, Schliephake H, Buchfelder M, Merten HA: Industrial nail gun injury to the anterior skull base: a case report and review of the literature. *J Trauma* 64(3):E29-32, 2008. (2.348)
5. Buchfelder M, Kann PH, Wüster C, Tuschy U, Saller B, Brabant G, Kleindienst A, Nomikos P and the German KIMS Board: Clinical Study. Influence of growth hormone substitution therapy in deficient adults on the recurrence rate of hormonally inactive pituitary adenomas: A Case-Control Study. *Europ J Endocrinol* 157(2):149-56, 2007. (3.575)
4. Willoughby KA, Kleindienst A, Mueller C, Chen T, Muir JK, Ellis EF: S100B protein is released by in vitro trauma and reduces delayed neuronal injury. *J Neurochem* 91:1284-91, 2004. (3.973)
3. Rosenow F, Hojer C, Meyer-Lohmann C, Hilgers RD, Mühlhofer H, Kleindienst A, Owega A, Köning W, Heiss WD: Spontaneous intracerebral haemorrhage. Prognostic factors in 896 cases. *Acta Neurol Scand* 96:174-182, 1997. (3.126)
2. Rosenow F, Hojer C, Meyer-Lohmann C, Hilgers RD, Mühlhofer H, Kleindienst A, Owega A, Köning W, Heiss WD: Etiology and localization as prognostic factors in 896 patients with spontaneous intracerebral hemorrhage. *Stroke* 27(1):93, 1996. (6.16)
1. Seyfert S, Boegner F, Hamm B, Kleindienst A, Klatt Ch: The value of magnetic resonance imaging in carpal tunnel syndrome. *J Neurol* 242:41-46, 1994. (3.783)

### 3. Additional Published Work

21. Dodoo-Schittko F, Kleindienst A: Psychopathological symptoms in survivors of critical illness and their relatives – What to expect from a screening tool. *Crit Care Med*. 2019. (6.124)
20. Kleindienst A, Buchfelder M, Churn SB: Hypothermia Reduces the Cerebral Blood Flow Threshold Critical to Reestablish Neuronal Membrane Potential. *Crit Care Med*. 2015 Sep;43(9):2042-3. (6.124)

19. Kleindienst A, Marin F, Dodoo-Schittko F: Dysphagia diagnosed by fiberoptic endoscopy is common and transient in critical illness polyneuropathy: are there any clinical implications? Crit Care Med. 2015 Feb;43(2):492-3. (6.124)
18. Kleindienst A, Buchfelder M, Brandner S: Nature has no principle – Inflammation following brain injury is neither good nor evil - Editorial. Crit Care Med, 42(8):1958-9, 2014. (6.124)
17. Buchfelder M, Schlaffer SM, Lin F, Kleindienst A: Surgery for craniopharyngioma. Pituitary, 16(1):18-25, 2013. (2.667)
16. Brandner S, Xu Y, Schmidt C, Emtmann I, Buchfelder M, Kleindienst A: Shunt-dependent hydrocephalus following subarachnoid hemorrhage correlates with increased S100B levels in cerebrospinal fluid and serum. Acta Neurochir Suppl, 114:217-20, 2012. (1.788)
15. Kleindienst A, Schlaffer SM, Sharma N, Linde L, Buchfelder M, Verbalis JG: Development of an experimental model to study the pathophysiology of cerebral salt wasting following subarachnoid hemorrhage. Acta Neurochir Suppl, 114:399-403, 2012. (1.788)
14. Kleindienst A, Brabant G, Morgenthaler NG, Emtmann I, Scheufler N, Buchfelder M: The atrial natriuretic peptide does not serve osmoregulation but predicts outcome following brain injury. Acta Neurochir Suppl, 114:277-81, 2012. (1.788)
13. Brandner S, Kleindienst A: Neuroprotection and neuroregeneration - What to expect from a stem cell-based therapy of acute brain injury? - Editorial. Crit Care Med, 2011. (6.124)
12. Kleindienst A, Schmidt C, Parsch H, Emtmann I, Xu Y, Buchfelder M. The passage of S100B from brain to blood is not specifically related to the blood-brain-barrier Integrity. Cardiovasc Psychiatry and Neurol 801295, 2010. Epub 2010 Jul 8. (0.25)
11. Kleindienst A, Meissner S, Eyupoglu IY, Parsch H, Schmidt C, Buchfelder M: Dynamics of S100B release into cerebrospinal fluid and serum following acute brain injury. Acta Neurochir Suppl 106:247-50, 2010. (1.788)
10. Kleindienst A, Brabant G, Morgenthaler NG, Parsch H, Buchfelder M: Following brain trauma, copeptin, a stable peptide derived from the AVP precursor, does not reflect osmoregulation but correlates with injury severity. Acta Neurochir Suppl 106:221-4, 2010. (1.788)
9. Okuno K, Taya K, Marmarou CR, Ozisik P, Fazzina G, Kleindienst A, Gulsen S, Marmarou A: The modulation of aquaporin-4 by using PKC-activator (phorbol myristate acetate) and V1a receptor antagonist (SR49059) following middle cerebral artery occlusion/reperfusion in the rat. Acta Neurochir Suppl 102:431-6, 2008. (1.788)
8. Kleindienst A, Buchfelder M: Alteration of hormone and neurotransmitter production in cultured cells by high and low frequency electrical stimulation - Comment. Acta Neurochir 149(1):73, 2007. (1.788)
7. Kleindienst A, Hesse F, Bullock MR, Buchfelder M: The neurotrophic protein S100B: Value as a marker of brain damage and possible therapeutic implications. Prog Brain Res 161:317-25, 2007. (4.191)

6. Kleindienst A, Fazzina G, Dunbar JG, Glisson R, Marmarou A: Protective effect of the V1a receptor antagonist SR49059 on brain edema formation following middle cerebral artery occlusion in the rat. *Acta Neurochir Suppl* 96:303-308, 2006. (1.788)
5. Kleindienst A, Fazzina G, Amorini AM, Dunbar JG, Glisson R, Marmarou A: Modulation of AQP4 expression by the protein kinase C activator phorbol myristate acetate decreases ischemia induced brain edema. *Acta Neurochir Suppl* 96:393-397, 2006. (1.788)
4. Kleindienst A, Dunbar JG, Glisson R, Okuno K, Marmarou A: Effect of dimethyl sulfoxide (DMSO) on the blood-brain-barrier integrity following middle cerebral artery occlusion in the rat. *Acta Neurochir Suppl* 96:258-262, 2006. (1.788)
3. Kleindienst A, Bullock MR: Review: A critical analysis of the role of the neurotrophic protein S100B in acute brain injury. *J Neurotrauma* 23(8):1185-2000, 2006. (3.654)
2. Kleindienst A: [Early antithrombotic prophylaxis with Certoparin in neurosurgery]. *Panta Rei* 6:1-6, 2004. (0.25)
1. Kleindienst A, Mater E, Bronst J, Flack J, Herenz K, Haupt WF, Schön R: Prophylaxis against thromboembolism in neurosurgical intensive care patients. Analysis of safety and efficacy of early certoparin. *Intensivmed* 40:494-498, 2003. (0.343)

#### 4. Article in Books

8. Röckelein V, Buchfelder M, Kleindienst A: Traumatic Brain Injury in the Elderly. Chapter Mar 2017.
7. Kleindienst A, Buchfelder M. Chapter R9: Neurotrauma. In: Therapie-Handbuch. Eds: Berger M, Domschke W, Hohenberger W, Meinertz T, Possing K, Reinhardt P. Elsevier (Urban&Fischer) Munich, 2017.
6. Kleindienst A, Qu Z, Bullock MR, Stadelmann C, Buchfelder M. Chapter 11: Cellular Effects of the Neurotrophic Factor S100B Following Experimental Traumatic Brain Injury. In: Nerve Growth Factor: New Research. Ed: MacIntire GK, 2008. Nova Science Publishers, Inc. ISBN 978-1-60456-992-6, 2008.
5. Kleindienst A: [Prognostic factors and outcome in TBI]. In: Therapieleitfaden Hirnschädigung: Interdisziplinäre Aspekte bei Schädel-Hirn-Trauma und Schlaganfall. Ed: Staller GK. UNI-MED Verlag AG Bremen-London-Boston, pp 32-34, 2007.
4. Kleindienst A, Hamm B, Hildebrandt G: Diagnosis and staging of carpal tunnel syndrome. Comparison of magnetic resonance imaging and intraoperative findings. In: The Year Book of Orthopedics 1997, Eds: Sledge and Poss, Mosby Inc. St. Luis, pp 405-8, 1997.
3. Kleindienst A, Hildebrandt G, Klug N: [Aneurysmal malformations of the vein of Galen. Actual therapeutic concepts]. In: Aktuelle Neuropädiatrie 1994; Ed: Rating D; Ciba-Geigy Verlag Wehr, pp 409-412, 1995.

2. Firsching R, *Kleindienst A*: Cerebellar hematomas. Prognosis and risk of upward transtentorial herniation. In: *Advances in Neurosurgery*, Vol 21; Eds: Lorenz R, Klingner M, Brock M; Springer Verlag Berlin Heidelberg, pp 69-72, 1993.
1. Boegner F, Seyfert S, *Kleindienst A*, Hamm B: [Value of magnetic resonance imaging in the diagnosis of carpal tunnel syndrome]. In: *Läsionen des peripheren Nervensystems*. Eds: Huffmann G, Braune H-J; Einhorn-Presser Verlag, pp 318-320, 1992.

## 5. Patents

1. *Kleindienst A*. Enhancement of neuroregeneration following acute brain injury by a treatment with the neurotrophic factor S100B. *Pending*.

## B. Abstracts

77. Baecker J, Sehm T, Buchfelder M, *Kleindienst A*: The neuroregenerative potential of S100B induces synaptogenesis following experimental brain injury. *J Neurotrauma* 31(5): A49, 2014. (Poster, 11<sup>th</sup> International Neurotrauma Symposium, Mar 19<sup>th</sup> to 22<sup>nd</sup>, 2014 in Budapest, Hungary)
76. Marin Laut FM, Seggelke S, Dodoo-Schittko F, Parsch H, Buchfelder M, *Kleindienst A*: The attenuated renal S100B elimination following neurotrauma suggests a physiological conservation system for neurotrophic proteins. *J Neurotrauma* 31(5): A20, 2014. (Poster, 11<sup>th</sup> International Neurotrauma Symposium, Mar 19<sup>th</sup> to 22<sup>nd</sup>, 2014 in Budapest, Hungary)
75. Leichtl S, Lang C, Parsch H, Buchfelder M, *Kleindienst A*: Following neurotrauma, acute phase S100B does not predict functional outcome but a long-term S100B release suggests a participation in neuroregeneration. *J Neurotrauma* 31(5): A13, 2014. (Poster, 11<sup>th</sup> International Neurotrauma Symposium, Mar 19<sup>th</sup> to 22<sup>nd</sup>, 2014 in Budapest, Hungary)
74. Schwarz M, Sehm T, Khan MN, Buchfelder M, *Kleindienst A*: The role of S100B in inflammatory processes following traumatic brain injuries – Preliminary results. Ed: Steiger HJ; Porstmann Kongresse GmbH, Berlin, 2013. (Oral presentation, 64<sup>th</sup> Annual Meeting German Society of Neurosurgery May 26<sup>th</sup> to 29<sup>th</sup> 2013 in Düsseldorf, Germany)
73. *Kleindienst A*, Schläffer SM, Schwarz MA, Emtmann I, Swozil F, Buchfelder M: The selective vasopressin 2 receptor antagonist Tolvaptan at a moderate dose is effective and safe in treatment of hyponatremia following pituitary surgery. Ed: Steiger HJ; Porstmann Kongresse GmbH, Berlin, 2013. (Oral presentation, 64<sup>th</sup> Annual Meeting German Society of Neurosurgery May 26<sup>th</sup> to 29<sup>th</sup> 2013 in Düsseldorf, Germany)
72. *Kleindienst A*, Seggelke D, Lorenz O, Granda I, Scheufler N, Brandner S, Megele R: S100B is increased in serum and urine following major surgery even without concomitant brain injury. Ed: Steiger HJ; Porstmann Kongresse GmbH, Berlin, 2013. (Oral presentation, 64<sup>th</sup> Annual Meeting German Society of Neurosurgery May 26<sup>th</sup> to 29<sup>th</sup> 2013 in Düsseldorf, Germany)

71. Megele R, Fischer von Weikersthal L, Fahrig A, Huber F, Engelbrecht V, *Kleindienst A*: Local treatment with ozone/oxygen in recurrent glioblastoma results in tumor control at 6 months – A case report. (Poster, Brain Tumor Meeting 2013, May 23<sup>rd</sup> to 24<sup>th</sup>, 2013 in Berlin, Germany)
70. Brandner S, Thaler C, Eyupoglu I, Buchfelder M, *Kleindienst A*: Comparison of ventricular and lumbar CSF S100B concentrations in neurosurgical patients. In: Book of Abstracts. Ed: Meixensberger J; Porstmann Kongresse GmbH, Berlin, p204, 2012. (Poster, 63<sup>rd</sup> Annual Meeting German Society of Neurosurgery Jun 13<sup>th</sup> to 16<sup>th</sup> 2012 in Leipzig, Germany)
69. Brandner S, Buchfelder M, *Kleindienst A*: Ventricular and lumbar CSF S100B levels differ significantly in hydrocephalus malresorptivus and occlusus. (Oral Presentation, 6<sup>th</sup> International Conference on Biochemical Markers for Brain Damage, May 9<sup>th</sup> to 11<sup>th</sup> 2011 in Lund, Sweden)
68. Schwarz M, Dörfler A, Engelhorn T, Buchfelder M, *Kleindienst A*: Effect of S100B on tumor-induced brain edema in a mouse model – preliminary results. (Poster, Neuro Week 2010, Sep 21<sup>st</sup> – 25<sup>th</sup> 2010 in Mannheim, Germany)
67. Marin-Laut M, *Kleindienst A*, Megele R: Relevant anatomical variations of the origin of the thenar muscles for the operation of carpal tunnel. (Poster, Neuro Week 2010, Sep 21<sup>st</sup> – 25<sup>th</sup> 2010 in Mannheim, Germany)
66. *Kleindienst A*, Brabant G, Morgenthaler NG, Emtmann I, Scheufler N, Buchfelder M: Release of the atrial natriuretic peptide reflects the neuroendocrine stress response following brain injury and may serve as a biomarker for outcome prediction. (Oral Presentation, 14<sup>th</sup> International Conference on Intracranial Pressure and Brain Monitoring, Sep 12<sup>th</sup> to 16<sup>th</sup> 2010 in Tübingen, Germany)
65. Schmidt C, Emtmann I, Xu Y, Parsch H, Buchfelder M, *Kleindienst A*: Assessment of the S100B brain-blood-passage following acute brain injury. (Oral Presentation, 8<sup>th</sup> World Congress on Brain Injury, Mar 10<sup>th</sup> to 14<sup>th</sup> 2010 in Washington DC, USA)
64. *Kleindienst A*, Brabant G, Morgenthaler NG, Emtmann I, Scheufler N, Buchfelder M: Release of the atrial natriuretic peptide reflects the neuroendocrine stress response following brain trauma. (Poster, 54<sup>th</sup> Annual Meeting German Society of Endocrinology Mar 3<sup>rd</sup> to 6<sup>th</sup> 2010 in Leipzig, Germany)
63. Schmidt C, Xu Y, Emtmann I, Parsch H, Buchfelder M, *Kleindienst A*: S100B in serum and cerebrospinal fluid does not correlate with outcome following acute brain injury. (Poster, International & National Neurotrauma Society Symposium, Sep 7<sup>th</sup> to 12<sup>th</sup> 2009 in Santa Barbara, CA, USA)
62. Schlaffer S, Tam H, Sharma N, Verbalis JG, Buchfelder M, *Kleindienst A*: Cerebral salt wasting following subarachnoid hemorrhage: A rat model. (Poster, XXIV<sup>th</sup> International Symposium on Cerebral Blood Flow, Metabolism and Function, Jun 29<sup>th</sup> to Jul 3<sup>rd</sup> 2009 in Chicago, USA)
61. *Kleindienst A*, Qu Z, Stadelmann C, Hesse F, Buchfelder M: Effect of S100B on cellular injury and glial activation. (Poster, XXIV<sup>th</sup> International Symposium on Cerebral Blood Flow, Metabolism and Function, Jun 29<sup>th</sup> to Jul 3<sup>rd</sup> 2009 in Chicago, USA)
60. Kreutzer J, *Kleindienst A*, Akutsu H, Bidlingmaier M, Schöfl C, Buchfelder M: A prospective longitudinal study on pituitary function in the acute, subacute and chronic phase after traumatic brain injury or subarachnoid hemorrhage. In: Book of Abstracts.

- Ed: Wassmann H; Porstmann Kongresse GmbH, Berlin, p13, 2009. (Oral presentation, 60<sup>st</sup> Annual Meeting of the German Society of Neurosurgery, May 24<sup>th</sup> to 27<sup>th</sup> 2009 in Münster, Germany)
59. Schlaffer S, Tam H, Verbalis J, Buchfelder M, *Kleindienst A*: Rat subarachnoid hemorrhage model: Pathophysiological mechanism of cerebral salt wasting. In: Book of Abstracts. Ed: Wassmann H; Porstmann Kongresse GmbH, Berlin, p144, 2009. (Poster, 60<sup>st</sup> Annual Meeting of the German Society of Neurosurgery, May 24<sup>th</sup> to 27<sup>th</sup> 2009 in Münster, Germany)
58. *Kleindienst A*, Grünbeck F, Emtmann I, Eck K, Buchfelder M: The neurotrophic protein S100B enhances hippocampal neurogenesis following an unilateral parietal lesion in mice. In: Book of Abstracts. Ed: Wassmann H; Porstmann Kongresse GmbH, Berlin, p159, 2009. (Poster, 60<sup>st</sup> Annual Meeting of the German Society of Neurosurgery, May 24<sup>th</sup> to 27<sup>th</sup> 2009 in Münster, Germany)
57. *Kleindienst A*, Dunbar J, Glisson R, Marmarou A, Buchfelder M: The selective vasopressin 1a receptor antagonist SR49059 attenuates cytotoxic brain edema formation by AQP4 modulation. In: Book of Abstracts. Ed: Wassmann H; Porstmann Kongresse GmbH, Berlin, p187, 2009. (Poster, 60<sup>st</sup> Annual Meeting of the German Society of Neurosurgery, May 24<sup>th</sup> to 27<sup>th</sup> 2009 in Münster, Germany)
56. Marin-Laut F, Megele R, Engelbrecht V, *Kleindienst A*: Diagnosis and treatment of a primary brainstem mass lesion due to Erdheim-Chester disease. In: Book of Abstracts. Ed: Wassmann H; Porstmann Kongresse GmbH, Berlin, p159, 2009. (Poster, 60<sup>st</sup> Annual Meeting of the German Society of Neurosurgery, May 24<sup>th</sup> to 27<sup>th</sup> 2009 in Münster, Germany)
55. Kreutzer J, *Kleindienst A*, Akutsu H, Bidlingmeier M, Schöfl C, Buchfelder M: Pituitary deficiency 3 and 6 months after traumatic brain injury or subarachnoid hemorrhage – A prospective longitudinal study on pituitary function using different methods of dynamic neuroendocrine evaluation. *Exp Clin Endocrinol Diabetes* 116:572, 2008. (Poster, 12<sup>th</sup> Annual Meeting Section Neuroendocrinology, German Society of Endocrinology, Oct 24<sup>th</sup> 2008 in Bamberg, Germany)
54. *Kleindienst A*, Schlaffer SM, Tam H, Verbalis JG, Buchfelder M: A rat model of cerebral salt wasting. *Exp Clin Endocrinol Diabetes* 116:563, 2008. (Poster, 12<sup>th</sup> Annual Meeting Section Neuroendocrinology, German Society of Endocrinology, Oct 24<sup>th</sup> 2008 in Bamberg, Germany)
53. Gruenbeck F, Emtmann I, Buslei R, Eck K, Koeferl K, Buchfelder M, *Kleindienst A*: The neurotrophic protein S100B enhances hippocampal progenitor cell proliferation in a dose dependent manner. *J Neurotrauma* (Poster, 26<sup>th</sup> National Neurotrauma Society Symposium, Jul 27<sup>th</sup> to 30<sup>th</sup> 2008 in Orlando, USA)
52. *Kleindienst A*, Gruenbeck F, Emtmann I, Buslei R, Koeferl K, Eck K, Buchfelder M: S100B enhances hippocampal progenitor cell proliferation and survival following an unilateral parietal brain lesion. *J Neurotrauma* (Poster, 26<sup>th</sup> National Neurotrauma Society Symposium, Jul 27<sup>th</sup> to 30<sup>th</sup> 2008 in Orlando, USA)
51. Meissner S, Eyüpoglu I, Parsch H, Megele R, Buchfelder M, *Kleindienst A*: Dynamics of S100B Release into Cerebrospinal Fluid and Serum Following Acute Brain Injury. (Poster, 14<sup>th</sup> International Symposium on Brain Edema and Brain Tissue Injury, Jun 11<sup>th</sup> to 14<sup>th</sup> 2008 in Warsaw, Polen)
50. *Kleindienst A*, Brabant G, Morgenthaler NG, Buchfelder M: Following Brain Trauma, Copeptin, a Stable Peptide Derived from, Does Not Reflect Osmoregulation but



- Correlates with Injury Severity. (Oral Presentation, 14<sup>th</sup> International Symposium on Brain Edema and Brain Tissue Injury, Jun 11<sup>th</sup> to 14<sup>th</sup> 2008 in Warsaw, Polen)
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22. Kleindienst A, Harvey HB, Rice AC, Hamm RJ, Gaab MR, Bullock MR: Hippocampal stem cell proliferation is essential for cognitive recovery after fluid percussion injury. In: 54. Jahrestagung der Deutschen Gesellschaft für Neurochirurgie 2003. Ed: Steudel WI; Shaker Verlag, Aachen, p 79, 2003. ISBN 3-8322-1404-6. (Oral presentation, 53<sup>th</sup> Annual Meeting of the German Society of Neurosurgery, May 25<sup>th</sup> to 28<sup>th</sup> 2003 in Saarbrücken, Germany)
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14. Kleindienst A, Vahl J, Ketter G, Haupt WF, Hildebrandt G: [Organ donation in Germany. Analysis of resources and press reports]. Intensivmed 34,Suppl:9, 1997. (Oral presentation, 4<sup>th</sup> German Interdisciplinary Congress of Intensive Care Medicine (DIVI), Nov 26<sup>th</sup> to 29<sup>th</sup> 1997 in Hamburg, Germany)
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7. Kleindienst A, Hildebrandt G, Klug N: [Malformations of the vein of Galen. Review of the literature and results of neurosurgical therapy in five patients]. Monatsschr Kinderheilkd 142:768, 1994. (Poster, 20<sup>th</sup> Annual Meeting of the Society of Neuropediatrics, Oct 14<sup>th</sup> to 16<sup>th</sup> 1994 in Heidelberg, Germany)
6. Kleindienst A, Müller-Hübenthal J, Hildebrandt G, Baldamus C: [Development of organisational structures in intensive care medicine to improve organ donation]. Intensivmed 30(7):380, Oct 1993. (Oral presentation, 2<sup>nd</sup> German Interdisciplinary Congress of Intensive Care Medicine (DIVI), Nov 24<sup>th</sup> to 28<sup>th</sup> 1993 in Hamburg, Germany)
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3. Hamm B, Kleindienst A, Bögner F, Seyfert S, Wolf K-J: Carpal tunnel syndrome. Diagnosis with MR-imaging. Suppl Europ Radiol 1:76, 1991. (Oral presentation, European Congress of Radiology, Sep 15<sup>th</sup> to 20<sup>th</sup> 1991 in Vienna, Austria)
2. Hamm B, Kleindienst A, Wolf K-J: Carpal tunnel syndrome. MR-imaging. Suppl Radiol 177(P):265, Nov 1990. (Oral presentation, 76<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Nov 25<sup>th</sup> to 30<sup>th</sup> 1990 in Chicago, IL)
1. Kleindienst A, Hamm B, Wolf K-J: [MR-diagnosis of carpal tunnel syndrome]. Zentralblatt Radiologie 141:397, 1990. (Poster, 71<sup>th</sup> German Congress of Radiology, May 25<sup>th</sup> to 26<sup>th</sup> 1990 in Karlsruhe, Germany)

### C. Lectures and Seminars

48. *Kleindienst A*: Organisation Congress "Süddeutscher Neurochirurgen Tag", 2017 in AmbergGermany.
47. *Kleindienst A*: [Chronic pain, pain memory and recent advances in spinal cord stimulation]. Patient workshop Selbsthilfegruppe Syringomyelie, 2017 in Marktdredwitz, Germany.
46. *Kleindienst A*: [Surgical treatment of Syringomyelia]. Patient workshop, 2016 in Amberg, Germany.
45. *Kleindienst A*: [New developments in neuroregeneration and -rehabilitation]. Symposium Schädelhirn-Patienten in Not, 2016 in Amberg, Germany.
44. *Kleindienst A*: [Workshop on Craniotomy]. Trauma Surgery Grand Rounds, Klinikum Weiden, Mar 4<sup>th</sup> 2014 in Weiden, Germany.
43. *Kleindienst A*: [Headache and Subarachnoid hemorrhage]. Patient workshop, 2014 in Amberg, Germany.
42. *Kleindienst A*: [Recent Developments in Acute Neurorehabilitation]. Seminar Series, Physical Therapy, Klinikum Amberg, Feb 17<sup>th</sup>, 2014 in Amberg, Germany.
41. *Kleindienst A*: [How to treat a patient with a ventriculo-peritoneal shunt undergoing abdominal surgery]. General Surgery Grand Rounds, Klinikum Amberg, Aug 26<sup>th</sup> 2013 in Amberg, Germany.
40. *Kleindienst A*: [Recent Developments in Neurosurgical Intensive Care]. Neurosurgery Symposium, Klinikum Dessau, Jun 15<sup>th</sup> 2013 in Dessau, Germany.
39. *Kleindienst A*: [Results of the Surgical Trial of Intracerebral hemorrhage (STICH) II]. Seminar Series Dept. of Anesthesiology, Klinikum Amberg, Univ. of Erlangen-Nürnberg, Apr 18<sup>h</sup> 2012 in Amberg, Germany.
38. *Kleindienst A*: [The History of Psychosurgery]. Seminar Series Dept. of Neurosurgery, Univ. of Erlangen-Nürnberg, Apr 12<sup>th</sup> 2012 in Erlangen, Germany.
37. *Kleindienst A*: Brain Edema / AQP4. Lettura Magistrale, Università degli Studi di Messina, Facoltà di Medicina e Chirurgia du di Neuroscienze, Scienze Psichiatriche e Anestesiologiche, Mar 12<sup>th</sup> 2012 in Messina, Sicily, Italy.
36. *Kleindienst A*: [Acute brain trauma and systemic organ damage: Neuroendocrinology]. 29<sup>th</sup> Annual Meeting of the German Society of Neurointensive and Emergency Medicine ANIM, Jan 19<sup>th</sup> 2012 in Berlin, Germany.
35. *Kleindienst A*: [With the head through the wall – Traumatic brain injury – from a Neurosurgeon's perspective]. 16<sup>th</sup> Erlanger Emergency Meeting, Nov 26<sup>th</sup> 2011 in Erlangen, Germany.
34. *Kleindienst A*: [Pathophysiological aspects of acute brain injury – Specific role of cerebral aquaporins]. Bavarian Academy for Education in Neurosurgery, Nov 16<sup>th</sup> 2011 in Erlangen, Germany.
33. *Kleindienst A*: Prognostic biomarker in acute brain damage: Update and perspectives. 6<sup>th</sup> International Conference on Biochemical Markers for Brain Damage, May 9<sup>th</sup> to 11<sup>th</sup> 2011 in Lund, Sweden

32. Kleindienst A: [Brain death and organ procurement in Germany]. Soroptimist International Apr 19<sup>th</sup>, 2010 in Amberg, Germany
31. Kleindienst A: Biomarker of brain injury and their brain-CSF-blood-passage. Neurosurgery Grand Rounds VCU Medical Center Mar 18<sup>th</sup> 2010 in Richmond VA, USA
30. Kleindienst A: Significance of serum and CSF measurements of the neurotrophic protein S100B following acute brain injury. TBI Seminar Series VCU Mar 17<sup>th</sup> 2010 in Richmond VA, USA
29. Kleindienst A: [Diagnosis and treatment of craniopharyngeomas]. 53<sup>rd</sup> Meeting of the German Society of Endocrinology Mar 3<sup>rd</sup> to 6<sup>th</sup> 2010 in Leipzig, Germany.
28. Kleindienst A: [Relevance of Copeptin for alterations of ADH release]. 53<sup>rd</sup> Meeting of the German Society of Endocrinology Mar 3<sup>rd</sup> to 6<sup>th</sup> 2010 in Leipzig, Germany.
27. Kleindienst A: Modulation of brain AQP4 waterchannels for treatment of brain edema. XIII Congress of the Brazilian Academy of Neurosurgery Jun 9<sup>th</sup> to 13<sup>st</sup> 2009 in Curitiba, Brazil.
26. Kleindienst A: Neurogenesis and regeneration following acute brain damage. XIII Congress of the Brazilian Academy of Neurosurgery Jun 9<sup>th</sup> to 13<sup>st</sup> 2009 in Curitiba, Brazil.
25. Kleindienst A: Anticoagulation and thromboembolic prophylaxis in Neurosurgery. Braganca University Jun 16<sup>th</sup> 2009 in Sao Paulo, Brazil.
24. Kleindienst A: Modulation of brain AQP4 waterchannels for treatment of brain edema in stroke. Hospital do Servidor Jun 17<sup>th</sup> 2009 in Sao Paulo, Brazil.
23. Kleindienst A: Pathophysiology of vasospasm and cerebral salt wasting following subarachnoid hemorrhage. Opening of Stroke Unit, Santa Paula Hospital, Jun 18<sup>th</sup> 2009 in Sao Paulo, Brazil.
22. Kleindienst A: [Guidelines in diagnosis and treatment of normal pressure hydrocephalus]. Bavarian Academy for Education in Neurology, Mar 28<sup>th</sup> 2009 in Erlangen, Germany.
21. Kleindienst A: Biomarker in Traumatic Brain Injury: Update and Perspectives. 13th Annual Meeting Euroacademia Multidisciplinaria Neurotraumatologica, May 23<sup>rd</sup> 2008 in Heidelberg, Germany.
20. Kleindienst A: [Neurovascular Decompression in Trigeminal Neuropathy]. Seminar Series "Pain Management", Bavarian Academy for Education of Physicians. Jan 22<sup>nd</sup> 2008 in Illschwang, Germany.
19. Kleindienst A: [Surgical Trial of Lobar Intracerebral Hemorrhage STICH II]. Bavarian Academy for Education in Neurology. Jan 16<sup>th</sup> 2008 in Weiden, Germany.
18. Kleindienst A: [Modern management of thrombosis: Thromboembolic prophylaxis in Neurosurgery]. 24<sup>th</sup> Meeting Neurological Intensive Care and Emergency Medicine. Jan 19<sup>th</sup> 2007 in Chemnitz, Germany.
17. Kleindienst A: Perspectives in Neurotraumatology. 4<sup>th</sup> Expert Meeting Pituitary Insufficiency after Traumatic Brain Injury and Subarachnoid Hemorrhage. Dec 1<sup>st</sup> to 2<sup>nd</sup> 2006 in Hamburg, Germany.

16. *Kleindienst A*: Assessment of the efficacy and safety of early antithrombotic prophylaxis with Certoparin in Neurosurgical intensive care patients. XXVI Congresso Brasileiro de Neurocirurgia and Joint Meeting of the Brazilian and German Society of Neurosurgery, Sep 14<sup>th</sup> to 19<sup>th</sup> 2006 in Florianopolis, Brazil.
15. *Kleindienst A*: [Role of neurotrophic factors in brain damage: Results the release of S100B from damage or repair mechanisms?]. Seminar Series, Dept. of Neurosurgery and Neurology, University Würzburg. Apr 26<sup>th</sup> 2006 in Würzburg, Germany.
14. *Kleindienst A*: The role of neurotropic factors in regeneration following traumatic brain injury. 3<sup>rd</sup> Expert Meeting Pituitary Insufficiency after Traumatic Brain Injury and Subarachnoid Hemorrhage. Nov 18<sup>th</sup> to 19<sup>th</sup> 2005 in Cologne, Germany.
13. *Kleindienst A*: Role of the astrocytic factor S100B on neuroregeneration following traumatic brain injury. Seminar Series, Dept. of Neurology, University Göttingen, Oct 7<sup>th</sup> 2005 in Göttingen, Germany.
12. *Kleindienst A*: [Effect of the neurotrophic protein S100B on recovery after traumatic brain injury]. Seminar Series, Dept. of Neurosurgery, Kantonsspital St. Gallen, Jun 22<sup>nd</sup> 2005 in St. Gallen, Switzerland.
11. *Kleindienst A*: Effect of the neurotrophic protein S100B on recovery after experimental traumatic brain injury. Neuroscience Spring Seminars, Medical College of Virginia, Virginia Commonwealth University, Mar 26<sup>th</sup> 2003 in Richmond, VA, USA.
10. *Kleindienst A*: [The effect of the neurotrophic protein S100B on neuronal stem cell proliferation and cognitive function after fluid percussion injury.] Course of lectures no. 07231/-86 "Pathophysiology of diseases of the central nervous system" and DFG graduate lecture "Neurotraumatology and neuropsychological rehabilitation", University Munich, Grosshadern, Jun 2<sup>nd</sup> 2003 in Munich, Germany.
9. *Kleindienst A*: Early antithrombotic prophylaxis in Neurosurgery does not increase the incidence of bleeding complications. Neurosurgery Grand Rounds, Division of Neurosurgery, Medical College of Virginia, Virginia Commonwealth University, Oct 17<sup>th</sup> 2002 in Richmond, VA, USA.
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