

**1. peer-reviewed Publikationen**

Krupkova O, Sekiguchi M, Klasen J, **Hausmann O**, Ferguson S, Wuertz-Kozak K  
Epigallocatechin 3-gallate suppresses interleukin-1 $\beta$ -induced inflammatory responses in intervertebral disc cells in vitro and reduces radiculopathic pain in rats.  
*European Cells and Materials*, 2014; 28: 372-86

Agayec E, Etter Ch, Bärlocher Ch, **Hausmann O**, et al  
Five years results of lumbar disc prostheses in the SWISSspine registry.  
*European Spine Journal*, 2014; 23: 2114-26

Klawitter M, Hakozaki M, Kobayashi H, Krupkova O, Quero L, Ospelt C, Gay S,  
**Hausmann O**, Liebscher Th, Meier U, Sekiguchi M, Konno S, Boos N, Ferguson St,  
Wuertz K  
Expression and regulation of Toll-like receptors (TLRs) in human intervertebral disc  
cells  
*European Spine Journal*, 2014, 23, 1878-1891

Singeisen H, Hodel D, Schindler C, Frey K, Eichenberger U, **Hausmann O**  
Signifikant kürzerer Anästhesiezeit bei lumbaler Wirbelsäulenchirurgie  
*Der Anästhesist*, 2013, 62: 632-38

Boss O, Tomasi O, Bäurle B, Sgier F, **Hausmann O**  
Lumbar total disc replacement. Correlation of clinical outcome and radiological  
parameters.  
*Acta Neurochirurgica*, 2013, xx

Agayec E, Bärlocher Ch, Sgier F, **Hausmann O**, et al  
Five years results of cervical disc prostheses in the SWISSspine registry.  
*European Spine Journal*, 2013; 22: 1723-1730

Tomasi O, Ghani I, Waldvogel D, **Hausmann O**  
Radicular pain from lumbar canal stenosis in addition to pre-existing phantom limb  
pain: Case report and Review of the medical history.  
*Central European Neurosurgery*, in press

Klawitter M, Quero L, Klasen J, Gloessen AN, Klopprogge B, **Hausmann O**, Boos  
N, Wuertz K  
Curcuma DMSO extracts and curcumin exhibit an anti-inflammatory and anti-  
catabolic effect on human intervertebral disc cells, possibly by influencing TLR2  
expression and JNK activity.  
*J Inflammation Lond*, 2012, 9 29

Graumann U, Ritz MF, **Hausmann O**  
Necessity for re-vascularization after spinal cord injury and the search for potential  
therapeutic options.  
*Current Neurovascular Research*, 2011, 8 334-341

Ritz MF, Graumann U, Gutierrez B, **Hausmann O**

Traumatic spinal cord injury alters angiogenic factors and TGF-beta1 which may affect vascular recovery.

*Current Neurovascular Research*, 2010; 7(4), 301-310

Graumann U, Ritz MF, Gutierrez B, **Hausmann O**

CD133 expressing cells pericytes and relationship to SDF-1 and CXCR4 in spinal cord injury.

*Current Neurovascular Research*, 2010; 7(2), 144-54

Ritz MF, **Hausmann O**

Effect of 17beta-estradiol on functional outcome, release of cytokines, astrocyte reactivity inflammatory spreading after spinal cord injury in male rats.

*Brain Research* 2008; 1203C: 177-188

Egli D, **Hausmann O**, Schmid O, Boos N, Dietz V, Curt A

Lumbar spinal canal stenosis: Assessment of cauda equina affection by electrophysiological recordings.

*J Neurology* 2007; (6): 741-50

**Hausmann O**

Posttraumatic inflammation following spinal cord injury: A review.

*Spinal Cord* 2003 41: 369-78

**Hausmann O**, Böni Th, Pfirrmann Ch, Armin Curt, Min K

Preoperative radiological and electrophysiological evaluation in 100 adolescent idiopathic scoliosis patients.

*European Spine Journal* 2003; 12: 501-6

**Hausmann O**, Min K, Böni Th, Erni T, Dietz V, Curt A

SSEP analysis in idiopathic scoliosis: the influence of spine deformity and surgical approach.

*European Spine Journal* 2003; 12: 117-123

**Hausmann O**, Hu WH, Keren-Raifman T, Witherow SD, Wang Q, Levay K, Frydel B, Slepak VZ, Bethea JR

Spinal cord injury induces expression of RGS7 in microglia / macrophages in rats.

*European Journal of Neuroscience* 2002; 15: 602-612

Hu WH, **Hausmann O**, Yan MS, Walters WM, Wong PK, Bethea JR

Identification and characterization of a novel Nogo mitochondrial protein (NIMP).

*Journal of Neurochemistry* 2002; 81: 36-45

**Hausmann O**, Fouad K, Wallimann Th, Schwab ME

Protective effects of oral creatine supplementation prior to spinal cord injury in rats.

*Spinal Cord* 2002; 40: 449-456

**Hausmann O**, Min K, Boos N, Ruetsch I, Erni T, Curt A

Transcranial electrical stimulation: Significance of fast versus slow charge delivery for intra-operative monitoring.

*Clinical Neurophysiology* 2002; 113: 1532-35

Roelcke U, **Hausmann O**, Merlo A, Missimer J, Maguire RP, Freitag P, Radü EW, Weinreich R, Gratzl O, Leenders KL

PET imaging drug distribution after intratumoral injection: the case for (124) I-iododeoxyuridine in malignant gliomas. *J Nuclear Medicine* 43: 2002; 1444-51

**Hausmann O**, Kirsch E, Mindermann T, Radü E, Gratzl O

Coagulopathy induced spinal subdural hematomas. Report of three cases and review of the literature.

*Acta Neurochirurgica* 2001; 143: 135-40

**Hausmann O**, Kirsch E, Tolnay M, Gratzl O

Intramedullary spinal cord tumors. A clinical functional outcome and radiological follow-up study.

*Swiss Medical Weekly* 2001; 131: 582-7 (2001)

**Hausmann O**, Kirsch E, Mindermann T, Radü E, Gratzl O

Coagulopathy induced spinal subdural hematomas. Report of three cases and review of the literature.

*Acta Neurochirurgica* 2001; 143: 135-40

Jäger R, Mannsmann U, **Hausmann O**, Partzsch U, Moseley I, Taylor W

MRA versus digital subtraction angiography in acute subarachnoidal haemorrhage: a blinded multi reader study of prospectively recruited patients.

*Neuroradiology* 2000; 42: 313-26

Fulci G, Labuhn M, Maier D, Lachat Y, **Hausmann O**, Hegi ME, Janzer RC, Merlo A, Van Meir E

P53 gene mutation and ink4a-arf-deletion appear to be two mutually exclusive events in human gliomas.

*Oncogene* 2000; 19: 3816-22

Merlo A, **Hausmann O**, Wasner M, Steiner P, Otte A, Jermann E, Freitag P, Reubi JC, Müller-Brand J, Gratzl O, Mäcke H

Loco-regional regulatory peptide receptor targeting with the diffusible somostatin analogue (<sup>90</sup>Y)-DOTA-D-Phe<sup>1</sup>-Tyr<sup>3</sup> octreotide (DOTATOC): a pilot study in human gliomas.

*Clinical Cancer Research* 1999; 5: 1025-33

Sigg DC, Falkenberg JH, **Hausmann O**, Iaizzo PA

Low backpain: Part I: Anatomy, physiology, and pathophysiology. Eisenkraft JB

*Progress in Anesthesiology*. April 2000, Volume XIV, Chapter 8. Dannemiller Memorial Education Foundation, San Antonio, TX

Sigg DC, Falkenberg JH, **Hausmann O**, Iaizzo PA

Low backpain: Part II: Differential diagnoses and patient evaluation. Eisenkraft JB

*Progress in Anesthesiology*. May 2000, Volume XIV, Chapter 10. Dannemiller Memorial Education Foundation, San Antonio, TX

Sigg DC, Falkenberg JH, **Hausmann O**, Iaizzo PA

Low backpain: Part III: Treatment approaches. Eisenkraft JB

*Progress in Anesthesiology*. June 2000, Volume XIV, Chapter 12. Dannemiller Memorial Education Foundation, San Antonio, TX

Roelcke U, von Ammon K, **Hausmann O**, Kaech D, Vanloffeld W, Landolt H, Radü E, Leenders K

Comparison of irradiated and non-irradiated low grades gliomas after surgery: A follow up study with PET, 11C-methionine and 18F-FDG.

*Journal of Neurology Neurosurgery Psychiatry* 1999; 66: 644-7

Brühlmeier M, Roelcke U, Amsler B, von Ammon K, **Hausmann O**, Radü E, Leenders K

Effect of radiotherapy on brain glucose metabolism in patients operated on for low-grade astrocytoma.

*Journal of Neurology Neurosurgery Psychiatry* 1999; 66: 648-53

Otte A, Roelcke U, von Ammon K, **Hausmann O**, Maguire R, Missimer J, Müller-Brand J, Radü E, Leenders K

Crossed cerebellar diaschisis and brain tumor biochemistry studied with positron emission tomography, 18F-fluorodeoxyglucose and 11C-methionine.

Roelcke U, Radü E, **Hausmann O**, Vontobel P, Maguire R, Leenders K

Tracer transport and metabolism in a patient with juvenile pilocytic astrocytoma. A PET study.

*Journal of Neuro-Oncology* 1998; 36: 279-83

**Hausmann O**, Kirsch E, Lyrer P, Keller U, Steck A

Bilaterale Glomustumoren mit Blutdruckregulationsstörung durch Barorezeptordysfunktion.

*Deutsche Medizinische Wochenschrift* 1997; 122: 253-8

**Hausmann O**, Welge-Lüssen Hausmann A, Probst R, Gratzl O

The cavernous angioma. A rare occurrence in the cerebellopontine angle. Case-report.

*Journal of Clinical Neuroscience* 1997; 4 (1): 66-9

Merlo A, Jermann E, **Hausmann O**, Chiquet-Ehrismann R, Probst A, Landolt H, Maecke H, Müller-Brand J, Gratzl O

Biodistribution of 111In-labelled SCN-bz-DTPA-BC-2 MAb following loco-regional injection into glioblastomas.

*International Journal of Cancer* 1997; 71: 810-6

Kirsch E, **Hausmann O**, Kaim A, O.Grätzl, Radü E, Steinbrich W

Magnetic resonance imaging of vertebrobasilar ectasia in trigeminal neuralgia.

*Acta Neurochirurgica* 1996; 138: 1295-9

**Hausmann O**, Moseley I

Idiopathic dural herniation of the thoracic spinal cord.

*Neuroradiology* 1996; 38: 503-10

Roelcke U, Radü E, von Ammon K, **Hausmann O**, Maguire R, Leenders K

Alterations of blood-brain barrier in human brain tumors: comparison of (18)fluorodeoxyglucose, (11C)methionine and rubidium-82 using PET.

*Journal of Neurological Science* 1995; 132: 20-7

## 2. andere Publikationen

### **Hausmann O**

Bewegungserhaltende OP bei Bandscheibenprothesen.  
*Leading Opinions Orthopädie & Rheumatologie*, 10/2015, 14-17

### Mutter U, **Hausmann O**

Der enge Spinalkanal der Lendenwirbelsäule, Symptome und Behandlungsstrategien  
*Der Luzerner Arzt*, 93/2013, 66-69

Merlo A, Bernays R, **Hausmann O**, Landolt H, Reinert M, Schaller K  
Nutzen der Zentralisierung hochspezialisierter Leistungen in Frage gestellt.  
*Schweizerische Ärztezeitung, Tribüne* 93; 2012; 1138-40

### **Hausmann O, Reisch R**

Endoskopische und minimalinvasive kraniale Neurochirurgie  
*Der Luzerner Arzt*, 87/2011, 30-23

### **Hausmann O**

Bewegungserhaltende OP bei Bandscheibenprothesen.  
*Leading Opinion Neurologie & Psychiatrie*, 4/2011, 10-11

### **Hausmann O**

Bewegungserhaltende Wirbelsäulenoperationen der Lendenwirbelsäule mit Bandscheibenprothesen.  
*Leading Opinion Neurologie & Psychiatrie*, 4/2010, 46-47

### Demartins N, **Hausmann O**

Interview: „Entscheidend sind Netzwerke“  
*Swiss Knife*, 2010, 7-8

### **Hausmann O**

HWS Degeneration: Differenzierte Abklärung-massgeschneiderte Operation.  
*Der Luzerner Arzt*, 2009, 70-83

### **Hausmann O**

Die zervikale interkorporelle Fusion.  
*Leading Opinions Orthopädie*, 2009, 10-11

### **Hausmann O, Brodbeck S.**

Verlaufs- und Ergebniserfassung des standartisierten Nachbehandlungspfads nach lumbalen Bandscheibenoperationen.  
*Der Luzerner Arzt*, 2009, 40-44

### **Hausmann O**

Navigationsgestützte lumbale Bandscheibenprothetik.  
*Der Luzerner Arzt*, 2007, 26-28

### **Hausmann O**

Aufklärung und Qualitätsmanagement in der Neurochirurgie.  
*Praxis, Schweizerische Rundschau für Medizin*, 2004, 46, 1918-20

**Hausmann O**, Senn P  
Diskushernie und Sporttauchen.  
*Taucher Revue*, 2004, 117, 46-48  
**Hausmann O**, Rem J, Gratzl O  
Erfahrungen mit dem Aufklärungsprotokoll bei lumbalen Bandscheibenoperationen.  
*Schweizerische Ärztezeitung* 2000, 81; 1857-60

### **3. Abstract Publikationen**

SINGEISEN H, HODEL D; HAUSMANN O  
A comparison of spinal and general anesthesia for lumbar spine surgery.  
*J Neurological Surgery A* 2012; 73

Boss HH

HAUSMANN O, RITZ M.-F., GRAUMANN U  
Angiogenic response following acute spinal cord injury.  
*Spine* 2011

HAUSMANN O, M.F. RITZ, GUTIERREZ B, GRAUMANN U  
CD133 expressing pericytes in the rat spinal cord react to spinal cord compression.  
*European Spine Journal*, 2010 19: 1401

GRAUMANN U, RITZ M.-F., GUTIERREZ B, HAUSMANN O  
Multipotential Mural Cells in the Rat Spinal Cord React to Spinal Cord Compression Injury.  
*Acta Neurochirurgica*, 2010, Vol 152 (4), April 2010 I

HAUSMANN O, RITZ MF, GUTIERREZ B, GRAUMANN U  
Tissue-intrinsic support or hamper of vasculo-angiogenic processes in the traumatized rat spinal cord.  
*Eur Spine J* 2009; 18 (Suppl 4): S469-70

Graumann U, Ritz MF, Hausmann O  
Development of in vitromodel systems to study vasculogenic properties of endothelial progenitor cells.  
*Regenerative Medicine*, 2009

RITZ M.-F., GRATZL O., HAUSMANN O  
17 $\beta$ -estradiol improves functional outcome and modulates cytokine expression following acute spinal cord injury.  
*Journal of Neurotrauma*, 2006, 23 (5), p.777.

#### **4. Eingeladene Vorträge**

The dilemma of decompression in cervical myelopathy  
Neurospine, Berne, 17. März 2011

Indication and Results of Dynamic Interspinous Stabilisation.  
Swiss Federation of Neuroscience Meeting, Basel, Juni 2010

Zervikale Myelopathie  
SUVA-Tagung 2010, Luzern

#### **5. Vorträge / Posterpräsentationen**

EANS; Bratislava  
-Helen: Poster  
- Boss

- Oral Presentation**

WUERTZ K, KRUPKOVA O, SEKIGUCHI M, BOOS N, HAUSMANN O, KONNO S, FERGUSON S  
Epigallocatechin 3-gallate als Therapeutikum zur Unterdrückung entzündlicher, schmerzhafter Prozesse der Bandscheibe  
Wirbelsäulenchirurgie  
Deutscher Wirbelsäulenkongress, 11.-13. 12.2014, Leipzig

HAUSMANN O, SINGEISEN H, HODEL D  
Prozessanalyse der Spinalanästhesie und der Intubationsnarkose in lumbaler Wirbelsäulenchirurgie  
Deutscher Wirbelsäulenkongress, 11.-13. 12.2014, Leipzig

Boss, Bärle HAUSMANN O  
Freedom  
AO Xian 2014

SINGEISEN H, HODEL D; HAUSMANN O  
A comparison of spinal and general anesthesia for lumbar spine surgery.  
Joint Meeting of Swiss and British Neurosurgical Societies, Lugano, June 2012

HAUSMANN O, RITZ M.-F., GRAUMANN U  
Angiogenic response following acute spinal cord injury.  
Global AO Spine meeting Barcelona , March 2011

GRAUMANN U, RITZ M.-F., GUTIERREZ B, JANNER T, HAUSMANN O

Zeitabhängige Regulation der Angiogenen Reaktion nach Traumatischer Rückenmarksverletzung in der Ratte  
5. Deutscher Wirbelsäulenkongress, Bremen, Dezember 2010

HAUSMANN O, SGIER F  
Patient satisfaction and social performance after lumbar total disc replacement as a single level or as a hybrid procedure.  
Swiss-Japanes Symposium on Disc-Spine Research,Zurich, September 2010

HAUSMANN O, RITZ M.-F., GUTIERREZ B, GRAUMANN U  
CD133 expressing pericytes in the rat spinal cordreact to spinal cord compression injury.  
Biospine, Amsterdam, September 2010

GRAUMANN U, RITZ M.-F., GUTIERREZ B, HAUSMANN O  
Multipotential Mural Cells in the Rat Spinal Cord React to Spinal Cord Compression Injury.  
The European Association of Neurosurgical Societies (EANS), Annual Meeting, Groningen, Netherlands, March 2010

HAUSMANN O, RITZ M.-F., GUTIERREZ B, GRAUMANN U  
Tissue-Intrinsic Support or Hamper of Vasculo-angiogenic Processes in the Traumatized Rat Spinal Cord.  
EUROSPINE 2009, Annual Meeting of the Spine Society of Europe, Warsaw, Poland, October 2009

HAUSMANN O  
Klinische Erfahrungen mit lumbalen Bandscheibenprothesen.  
Medtronic user meeting. Hamburg 27.4.2009

HAUSMANN O., SCHMID L  
Pro und Kontra, die Lumbago kann warten.  
Zentralschweizer Internistentagung 2008 Engelberg 25.11.2008

HAUSMANN O  
Radiological Assessment of lumbar Spine in Diam Patients.  
Medtronic user meeting. Nizza, 17.9.2008

HAUSMAN O  
Hybrid solutions: Whats are the options?  
Medtronic user Meeting. Payerne, 5.3.2008

HAUSMANN O  
Hybrid Procedures. Is it becoming a new Standard for Total Disc Replacement?  
Medtronic User Meeting, Lissabon, 12.1.2007

RITZ M.-F., AND HAUSMANN O  
Neuroprotective effects of 17b-estradiol in a rat model of spinal cord injury.  
4<sup>th</sup> International Meeting "Steroids and Nervous System", February 17-21, 2007, Torino, Italy.

HAUSMANN O., SGIER F

Bi-segmental lumbar osteochondrosis a combined treatment with ALIF and disc-prosthesis.

Society of Neurosurgery, Montreux, October 3-4, 2006

RITZ M.-F., GRATZL O., HAUSMANN O

17beta-estradiol improves functional outcome and modulates cytokine expression following acute spinal cord injury in rats.

Society of Neurosurgery, Montreux, October 3-4, 2006

HAUSMANN O., RITZ M.-F., BUMANN K., GRATZL O

Neuroprotective effects of 17b-estradiol following spinal cord injury.

Forschungstag Departement Anaesthesia und Operative Medizin, Basel, August 19, 2005

- **Posters**

Boss HH, 12/11

WEHRSTEDT A, SGIER F, HAUSMANN O

Patient satisfaction and social performance one year after lumbar total disc replacement.

The European Association of Neurosurgical Societies (EANS), Annual Meeting, Groningen, Netherlands, March 2010

RITZ M-F, GRAUMANN U, GUTIERREZ B, HAUSMANN O

Mural stem cells in the rat spinal cord react to spinal cord compression.

Annual meeting of the Swiss Society for Neuroscience, EPFL, Lausanne, March 2010

GRAUMANN U, JANNER T, RITZ M-F, HAUSMANN O

Development of *in vitro* model systems to study the vasculo-angiogenic properties of endothelial progenitor cells

World Conference on Regenerative Medicine, Leipzig, October 2009

HAUSMANN O; SGIER F

Patient satisfaction and social performance one year after lumbar total disc replacement.

9<sup>th</sup> Spinal Arthroplasty Meeting, London, April 27<sup>th</sup> 2009

RITZ M.-F, GUTIERREZ B, HAUSMANN O, GRAUMANN U

Temporal expression of markers for revascularization in the injured rat spinal cord.

8<sup>th</sup> annual meeting of the German Neuroscience Society, Göttingen, March 25-29, 2009

GRAUMANN U, RITZ M.-F, GUTIERREZ B, HAUSMANN O

Temporal expression of vasculo-angiogenic markers in the injured rat spinal cord.

Swiss Society for Neuroscience Meeting, Fribourg, March 14, 2009

GRAUMANN U., JAMETTI T., RITZ M.-F., HAUSMANN O

Development of *In Vitro* Model Systems to Study Vasculo-Angiogenic Properties of

Endothelial Progenitor Cells.

5<sup>th</sup> Annual meeting from the Swiss Stem Cells Network, Geneva, February 6, 2009

HAUSMANN O., SGIER F

Hybrid procedures with navigated Maverick TM total disc replacement and ALIF in multisegmental osteochondrosis.

8<sup>th</sup> Spinal Arthroplasty Society, Miami Mai 2008

RITZ M.-F., AND HAUSMANN O

Neuroprotective effects of 17b-estradiol after spinal cord injury in male rats.  
Spineweek congress, Geneva 26-31 May 2008

HAUSMANN O., SGIER F

Hybrid procedures with navigated Maverick TM total disc replacement and ALIF in multisegmental osteochondrosis.

Spine Research Forum, Kyoto 12.1.2008

RITZ M.-F., AND HAUSMANN O

Neuroprotective effects of 17 $\beta$ -estradiol in a rat model of spinal cord injury.  
Annual Meeting of the Swiss Society for Neuroscience, Bern, March 10, 2007

RITZ M.-F., GRATZL O., HAUSMANN O

17 $\beta$ -estradiol improves functional outcome and modulates cytokine expression following acute spinal cord injury

8<sup>th</sup> International Neurotrauma Symposium, Traumatic brain injury and spinal cord injury, Rotterdam, The Netherlands, May 21-25, 2006

RITZ M.-F., GRATZL O., HAUSMANN O

17 $\beta$ -estradiol improves functional outcome and modulates cytokine expression following acute spinal cord injury.

Annual Neurex Meeting, Basel, March 29, 2006

RITZ M.-F., GRATZL O., HAUSMANN O

17 $\beta$ -estradiol improves functional outcome following spinal cord injury in rats.

Annual Meeting of the Swiss Society for Neuroscience, Basel, January 28, 2006