

CURRICULUM VITAE

PERSONAL DATA

NAME	Dr. med. Nico Sollmann, Ph.D., B.A.
OFFICE ADDRESS	Department of Diagnostic and Interventional Neuroradiology Klinikum rechts der Isar Technische Universität München Ismaninger Str. 22 81675 München, Germany
WORK EMAIL	nico.sollmann@tum.de

CURRENT POSITION

05/2017 -	Resident Department of Neuroradiology Klinikum rechts der Isar, Technische Universität München, Munich, Germany
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EDUCATION

04/2014 - 04/2017	Medical Life Science and Technology Technische Universität München, Munich, Germany
10/2013 - 02/2017	Philosophy & Classical and Oriental Cultures Ludwig-Maximilians-Universität, Munich, Germany
10/2009 - 12/2013	Medicine Technische Universität München, Munich, Germany Practical Year: Klinikum rechts der Isar, Munich, Germany Klinikum Bogenhausen, Munich, Germany Inselspital, Bern, Switzerland Concord Repatriation General Hospital, Sydney, Australia
10/2006 - 10/2009	Medicine Ludwig-Maximilians-Universität, Munich, Germany

FELLOWSHIPS

09/2016 – 10/2016

Research Trainee

Psychiatry Neuroimaging Laboratory
Brigham and Women's Hospital, Harvard
Medical School, Boston, MA, USA

THESES

12/2017

Doctor of Philosophy (Ph.D.)

“Tractography of language pathways based on navigated transcranial magnetic stimulation in patients with brain tumors”

Department of Diagnostic and Interventional
Neuroradiology

Klinikum rechts der Isar, Technische
Universität München, Munich, Germany

02/2017

Bachelor of Arts (B.A.)

„Human Decision-Making – Between Neuro-
science and Philosophy“

Faculty of Philosophy, Philosophy of Science
and the Study of Religion, Ludwig-Maximilians-
Universität, Munich, Germany

06/2015

Doctor Medicinae (Dr. med.)

„Language Mapping of the Human Brain by
Navigated Transcranial Magnetic Stimulation“

Department of Neurosurgery

Klinikum rechts der Isar, Technische
Universität München, Munich, Germany

HONORS AND AWARDS

10/2018

Best Young Research Award

53rd Annual Meeting of the German Society of
Neuroradiology (DGNR), Frankfurt, Germany

10/2017

Poster Award

9th International Symposium on Navigated
Brain Stimulation, Berlin, Germany (2nd place)

10/2017

Poster Award

52nd Annual Meeting of the German Society of
Neuroradiology (DGNR), Koeln, Germany

10/2017	Marc-Duenzl-Award 52 nd Annual Meeting of the German Society of Neuroradiology (DGNR), Koeln, Germany
08/2017	Cover Art Brain Imaging and Behavior, Volume 11, Number 4, August 2017
12/2016	Cover Art Acta Neurochirurgica, Volume 158, Number 12, December 2016
07/2016	Cover Art Acta Neurochirurgica, Volume 158, Number 7, July 2016
11/2015	Faculty-intern Grant Commission for Clinical Research (KKF), Technische Universität München, Munich, Germany
03/2015	Scholarship 59 th Annual Meeting of the German Society for Clinical Neurophysiology and Functional Imaging (DGKN), Tuebingen, Germany
10/2014	Poster Award 6 th International Symposium on Navigated Brain Stimulation, Berlin, Germany (1 st place)

REVIEWER EXPERIENCE

Ad-hoc reviewer for

Brain Topography
 Experimental Brain Research
 Neuroscience Letters
 Journal of Neuroradiology
 European Journal of Paediatric Neurology
 Brain Imaging and Behavior
 Physical Medicine, Rehabilitation & Disabilities
 Archives of Anatomy and Physiology
 Journal of Neuroscience Methods
 Archives of Medical Research
 Cognitive and Behavioral Neurology
 Journal of Neurological Surgery
 Frontiers in Neurology
 Journal of Pain Research
 Journal of Clinical Neuroscience
 Frontiers in Human Neuroscience
 Frontiers in Neuroscience
 Frontiers in Behavioral Neuroscience

EDITORIAL ACTIVITIES

Associate Editor	Frontiers for Young Minds
Review Editor	Frontiers in Brain Imaging Methods
Review Editor	Frontiers in Neuro-Oncology and Neurosurgical Oncology

PROFESSIONAL MEMBERSHIPS

DGNR	German Society of Neuroradiology
DGNC	German Society of Neurosurgery
EANS	European Association of Neurosurgical Societies

FURTHER QUALIFICATIONS

NCAFW Certificate for Intraoperative Neuromonitoring (IOM)

Nexstim Trainer Certificate for Navigated Brain Stimulation (NBS)

PUBLICATIONS

Original Research

- 1.) Picht T*, Krieg SM*, **Sollmann N**, Rösler J, Niraula B, Neuvonen T, Savolainen P, Lioumis P, Mäkelä JP, Deletis V, Meyer B, Vajkoczy P, Ringel F. A comparison of language mapping by preoperative navigated transcranial magnetic stimulation and direct cortical stimulation during awake surgery. *Neurosurgery*. 2013 May;72(5):808-19.
- 2.) **Sollmann N***, Hauck T*, Obermüller T, Hapfelmeier A, Meyer B, Ringel F, Krieg SM. Inter- and intraobserver variability in motor mapping of the hotspot for the abductor policis brevis muscle. *BMC Neurosci*. 2013 Sep 5;14:94.
- 3.) Krieg SM, **Sollmann N**, Hauck T, Ille S, Foerschler A, Meyer B, Ringel F. Functional language shift to the right hemisphere in patients with language-eloquent brain tumors. *PLoS One*. 2013 Sep 17;8(9):e75403.
- 4.) **Sollmann N***, Hauck T*, Hapfelmeier A, Meyer B, Ringel F, Krieg SM. Intra- and interobserver variability of language mapping by navigated transcranial magnetic brain stimulation. *BMC Neurosci*. 2013 Dec 5;14(1):150.
- 5.) Krieg SM*, **Sollmann N***, Hauck T, Ille S, Meyer B, Ringel F. Repeated mapping of cortical language sites by preoperative navigated transcranial magnetic stimulation compared to repeated intraoperative DCS mapping in awake craniotomy. *BMC Neurosci*. 2014 Jan 30;15(1):20.
- 6.) Krieg SM*, Tarapore PE*, Picht T, Tanigawa N, Houde J, **Sollmann N**, Meyer B, Vajkoczy P, Berger MS, Ringel F, Nagarajan S. Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. *Neuroimage*. 2014 Oct 15;100:219-36.
- 7.) **Sollmann N**, Tanigawa N, Ringel F, Zimmer C, Meyer B, Krieg SM. Language and its right-hemispheric distribution in healthy brains: an investigation by repetitive transcranial magnetic stimulation. *Neuroimage*. 2014 Nov 15;102 Pt 2:776-88.
- 8.) **Sollmann N**, Tanigawa N, Tussis L, Hauck T, Ille S, Maurer S, Negwer C, Zimmer C, Ringel F, Meyer B, Krieg SM. Cortical regions involved in semantic processing investigated by repetitive navigated transcranial magnetic stimulation and object naming. *Neuropsychologia*. 2015 Apr;70:185-95.
- 9.) Ille S, **Sollmann N**, Hauck T, Maurer S, Tanigawa N, Obermueller T, Negwer C, Droese D, Zimmer C, Meyer B, Ringel F, Krieg SM. Combined noninvasive language mapping by navigated transcranial magnetic stimulation and functional MRI and its comparison with direct cortical stimulation. *J Neurosurg*. 2015 Jul;123(1):212-25.

- 10.) Hauck T, Tanigawa N, Probst M, Wohlschlaeger A, Ille S, **Sollmann N**, Maurer S, Zimmer C, Ringel F, Meyer B, Krieg SM. Stimulation frequency determines the distribution of language positive cortical regions during navigated transcranial magnetic brain stimulation.
BMC Neurosci. 2015 Feb 18;16:5.
- 11.) Ille S, **Sollmann N**, Hauck T, Maurer S, Tanigawa N, Obermueller T, Negwer C, Droese D, Boeckh-Behrens T, Meyer B, Ringel F, Krieg SM. Impairment of preoperative language mapping by lesion location – a fMRI, nTMS and DCS study.
J Neurosurg. 2015 Aug;123(2):314-24.
- 12.) Krieg SM*, **Sollmann N***, Obermueller T, Sabih J, Bulubas L, Negwer C, Moser T, Droese D, Boeckh-Behrens T, Ringel F*, Meyer B*. Changing the clinical course of glioma patients by preoperative motor mapping with navigated transcranial magnetic brain stimulation.
BMC Cancer. 2015 Apr 8;15:231.
- 13.) **Sollmann N**, Ille S, Hauck T, Maurer S, Negwer C, Zimmer C, Ringel F, Meyer B, Krieg SM. The impact of preoperative language mapping by repetitive navigated transcranial magnetic stimulation on the clinical course of brain tumor patients.
BMC Cancer. 2015 Apr 11;15:261.
- 14.) **Sollmann N**, Ille S, Obermueller T, Negwer C, Ringel F, Meyer B, Krieg SM. The impact of repetitive navigated transcranial magnetic stimulation coil positioning and stimulation parameters on human language function.
Eur J Med Res. 2015 Apr 1;20:47.
- 15.) Krieg SM, **Sollmann N**, Tanigawa N, Foerschler A, Meyer B, Ringel F. Cortical distribution of speech and language errors investigated by visual object naming and navigated transcranial magnetic stimulation.
Brain Struct Funct. 2016 May;221(4):2259-86.
- 16.) Hauck T, Tanigawa N, Probst M, Wohlschlaeger A, Ille S, **Sollmann N**, Maurer S, Zimmer C, Ringel F, Meyer B, Krieg SM. Task type affects the location of language-positive cortical regions by repetitive navigated transcranial magnetic stimulation mapping.
PLoS One. 2015 Apr 30;10(4):e0125298.
- 17.) Maurer S, Tanigawa N, **Sollmann N**, Hauck T, Ille S, Boeckh-Behrens T, Meyer B, Krieg SM. Non-invasive mapping of calculation function by repetitive navigated transcranial magnetic stimulation.
Brain Struct Funct. 2016 Nov;221(8):3927-3947.
- 18.) **Sollmann N**, Ille S, Tussis L, Maurer S, Hauck T, Negwer C, Bauer JS, Ringel F, Meyer B, Krieg SM. Correlating subcortical interhemispheric connectivity and cortical hemispheric dominance in brain tumor patients: A repetitive navigated transcranial magnetic stimulation study.
Clin Neurol Neurosurg. 2016 Feb;141:56-64.
- 19.) Tussis L*, **Sollmann N***, Boeckh-Behrens T, Meyer B, Krieg SM. Language function distribution in left-handers: A navigated transcranial magnetic stimulation study.
Neuropsychologia. 2016 Feb;82:65-73.

- 20.) Bulubas L, Sabih J, Wohlschlaeger A, **Sollmann N**, Hauck T, Ille S, Ringel F, Meyer B, Krieg SM. Motor Areas of the Frontal Cortex in Patients with Motor Eloquent Brain Lesions.
J Neurosurg. 2016 Dec;125(6):1431-1442.
- 21.) **Sollmann N***, Negwer C*, Tussis L, Hauck T, Ille S, Maurer S, Giglhuber K, Bauer JS, Ringel F, Meyer B, Krieg SM. Interhemispheric connectivity revealed by diffusion tensor imaging fiber tracking derived from navigated transcranial magnetic stimulation maps as a sign of language function at risk in brain tumor patients.
J Neurosurg. 2017 Jan;126(1):222-233. doi: 10.3171/2016.1.JNS152053.
- 22.) **Sollmann N***, Negwer C*, Ille S, Maurer S, Hauck T, Kirschke JS, Ringel F, Meyer B, Krieg SM. Feasibility of nTMS-based DTI fiber tracking of language pathways in neurosurgical patients using a fractional anisotropy threshold.
J Neurosci Methods. 2016 Apr 6;267:45-54.
- 23.) **Sollmann N**, Kubitscheck A, Maurer S, Ille S, Hauck T, Kirschke JS, Ringel F, Meyer B, Krieg SM. Preoperative language mapping by repetitive navigated transcranial magnetic stimulation and diffusion tensor imaging fiber tracking and their comparison to intraoperative stimulation.
Neuroradiology. 2016 Aug;58(8):807-18.
- 24.) **Sollmann N***, Ille S*, Boeckh-Behrens T, Ringel F, Meyer B, Krieg SM. Mapping of cortical language function by functional magnetic resonance imaging and repetitive navigated transcranial magnetic stimulation in 40 healthy subjects.
Acta Neurochir (Wien). 2016 Jul;158(7):1303-16.
- 25.) Krieg SM*, Sonanini S*, **Sollmann N**, Focke A, Gerstl L, Heinen F. The Complexity Signature: Developing a Tool to Communicate Biopsychosocial Severity of Disease for Children with Chronic Neurological Complexity.
Neuropediatrics. 2016 Aug;47(4):238-44.
- 26.) Negwer C, **Sollmann N**, Ille S, Hauck T, Maurer S, Kirschke JS, Ringel F, Meyer B, Krieg SM. Language pathway tracking: comparing nTMS-based DTI fiber tracking with a cubic ROIs-based protocol.
J Neurosurg. 2017 Mar;126(3):1006-1014. doi: 10.3171/2016.2.JNS152382.
- 27.) Negwer C, Ille S, Hauck T, **Sollmann N**, Maurer S, Kirschke JS, Ringel F, Meyer B, Krieg SM. Visualization of subcortical language pathways by diffusion tensor imaging fiber tracking based on rTMS language mapping.
Brain Imaging Behav. 2017 Jun;11(3):899-914. doi: 10.1007/s11682-016-9563-0.
- 28.) **Sollmann N**, Ille S, Negwer C, Boeckh-Behrens T, Ringel F, Meyer B, Krieg SM. Cortical time course of object naming investigated by repetitive navigated transcranial magnetic stimulation.
Brain Imaging Behav. 2016 Jul 22. [Epub ahead of print]
- 29.) **Sollmann N***, Trepte-Freisleder F*, Albers L, Jung NH, Mall V, Meyer B, Heinen F, Krieg SM*, Landgraf MN*. Magnetic stimulation of the upper trapezius muscles in patients with migraine - A pilot study.
Eur J Paediatr Neurol. 2016 Nov;20(6):888-897.

- 30.) Ille S, **Sollmann N**, Butenschoen VM, Meyer B, Ringel F, Krieg SM. Resection of highly language-eloquent brain lesions based purely on rTMS language mapping without awake surgery.
Acta Neurochir (Wien). 2016 Dec;158(12):2265-2275.
- 31.) **Sollmann N***, Goblirsch-Kolb MF*, Ille S, Butenschoen VM, Boeckh-Behrens T, Meyer B, Ringel F, Krieg SM. Comparison between electric-field-navigated and line-navigated TMS for cortical motor mapping in patients with brain tumors.
Acta Neurochir (Wien). 2016 Dec;158(12):2277-2289.
- 32.) Ille S, Kulchytska N, **Sollmann N**, Wittig R, Beurskens E, Butenschoen VM, Ringel F, Vajkoczy P, Meyer B, Picht T*, Krieg SM*. Hemispheric language dominance measured by repetitive navigated transcranial magnetic stimulation and postoperative course of language function in brain tumor patients.
Neuropsychologia. 2016 Oct;91:50-60.
- 33.) **Sollmann N**, Hauck T, Tussis L, Ille S, Maurer S, Boeckh-Behrens T, Ringel F, Meyer B, Krieg SM. Results on the spatial resolution of repetitive transcranial magnetic stimulation for cortical language mapping during object naming in healthy subjects.
BMC Neurosci. 2016 Oct 24;17(1):67.
- 34.) **Sollmann N**, Tanigawa N, Bulubas L, Sabih J, Zimmer C, Ringel F, Meyer B, Krieg SM. Clinical Factors Underlying the Inter-individual Variability of the Resting Motor Threshold in Navigated Transcranial Magnetic Stimulation Motor Mapping.
Brain Topogr. 2017 Jan;30(1):98-121. doi: 10.1007/s10548-016-0536-9.
- 35.) **Sollmann N**, Bulubas L, Tanigawa N, Zimmer C, Meyer B, Krieg SM. The variability of motor evoked potential latencies in neurosurgical motor mapping by preoperative navigated transcranial magnetic stimulation.
BMC Neurosci. 2017 Jan 3;18(1):5. doi: 10.1186/s12868-016-0321-4.
- 36.) Krieg SM*, Picht T*, **Sollmann N**, Bährend I, Ringel F, Nagarajan SS, Meyer B, Tarapore PE. Resection of Motor Eloquent Metastases Aided by Preoperative nTMS-Based Motor Maps-Comparison of Two Observational Cohorts.
Front Oncol. 2016 Dec 21;6:261. doi: 10.3389/fonc.2016.00261.
- 37.) Conway N, Wildschutz N, Moser T, Bulubas L, **Sollmann N**, Tanigawa N, Meyer B, Krieg SM. Cortical plasticity of motor-eloquent areas measured by navigated transcranial magnetic stimulation in patients with glioma.
J Neurosurg. 2017 Nov;127(5):981-991. doi: 10.3171/2016.9.JNS161595.
- 38.) Maurer S, Giglhuber K, **Sollmann N**, Kelm A, Ille S, Hauck T, Tanigawa N, Ringel F, Boeckh-Behrens T, Meyer B, Krieg SM. Non-invasive Mapping of Face Processing by Navigated Transcranial Magnetic Stimulation.
Front Hum Neurosci. 2017 Jan 23;11:4. doi: 10.3389/fnhum.2017.00004.
- 39.) Tussis L*, **Sollmann N***, Boeckh-Behrens T, Meyer B, Krieg SM. Identifying cortical first and second language sites via navigated transcranial magnetic stimulation of the left hemisphere in bilinguals.
Brain Lang. 2017 May;168:106-116. doi: 10.1016/j.bandl.2017.01.011.

- 40.) Moser T, Bulubas L, Sabih J, Conway N, Wildschutz N, **Sollmann N**, Meyer B, Ringel F, Krieg SM. Resection of Navigated Transcranial Magnetic Stimulation-Positive Prerolandic Motor Areas Causes Permanent Impairment of Motor Function. *Neurosurgery*. 2017 Jul 1;81(1):99-110. doi: 10.1093/neuros/nyw169.
- 41.) **Sollmann N**, Wildschuetz N, Kelm A, Conway N, Moser T, Bulubas L, Kirschke JS, Meyer B, Krieg SM. Associations between clinical outcome and navigated transcranial magnetic stimulation characteristics in patients with motor-eloquent brain lesions: a combined navigated transcranial magnetic stimulation-diffusion tensor imaging fiber tracking approach. *J Neurosurg*. 2018 Mar;128(3):800-810. doi: 10.3171/2016.11.JNS162322.
- 42.) **Sollmann N**, Meyer B, Krieg SM. Implementing Functional Preoperative Mapping in the Clinical Routine of a Neurosurgical Department: Technical Note. *World Neurosurg*. 2017 Jul;103:94-105. doi: 10.1016/j.wneu.2017.03.114.
- 43.) Kelm A, **Sollmann N**, Ille S, Meyer B, Ringel F, Krieg SM. Resection of Gliomas with and without Neuropsychological Support during Awake Craniotomy-Effects on Surgery and Clinical Outcome. *Front Oncol*. 2017 Aug 18;7:176. doi: 10.3389/fonc.2017.00176.
- 44.) Bulubas L, **Sollmann N**, Tanigawa N, Zimmer C, Meyer B, Krieg SM. Reorganization of Motor Representations in Patients with Brain Lesions: A Navigated Transcranial Magnetic Stimulation Study. *Brain Topogr*. 2018 Mar;31(2):288-299. doi: 10.1007/s10548-017-0589-4.
- 45.) **Sollmann N***, Echlin PS*, Schultz V, Viher PV, Lyall AE, Tripodis Y, Kaufmann D, Hartl E, Kinzel P, Forwell LA, Johnson AM, Skopelja EN, Lepage C, Bouix S, Pasternak O, Lin AP, Shenton ME*, Koerte IK*. Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. *Neuroimage Clin*. 2017 Nov 21;17:642-649. doi: 10.1016/j.nicl.2017.11.020.
- 46.) Negwer C, Beurskens E, **Sollmann N**, Maurer S, Ille S, Giglhuber K, Kirschke JS, Ringel F, Meyer B, Krieg SM. Loss of subcortical language pathways correlates with surgery-related aphasia in brain tumor patients: an investigation via rTMS-based DTI fiber tracking. *World Neurosurg*. 2018 Mar;111:e806-e818. doi: 10.1016/j.wneu.2017.12.163.
- 47.) **Sollmann N***, Weidlich D*, Cervantes B, Klupp E, Ganter C, Kooijman H, Rummeny EJ, Zimmer C, Kirschke JS, Karampinos DC. High Isotropic Resolution T2 Mapping of the Lumbosacral Plexus with T2-Prepared 3D Turbo Spin Echo. *Clin Neuroradiol*. 2018 Jan 10. doi: 10.1007/s00062-017-0658-9. [Epub ahead of print]
- 48.) **Sollmann N**, Morandell C, Albers L, Behr M, Preuss A, Dinkel A, Meyer B, Krieg SM. Association of decision-making in spinal surgery with specialty and emotional involvement-the Indications in Spinal Surgery (INDIANA) survey. *Acta Neurochir (Wien)*. 2018 Mar;160(3):425-438. doi: 10.1007/s00701-017-3459-7.

- 49.) **Sollmann N**, Laub T, Kelm A, Albers L, Kirschke JS, Combs SE, Meyer B, Krieg SM. Predicting brain tumor regrowth in relation to motor areas by functional brain mapping. *Neurooncol Pract*. 2018 May;5(2): 82–95. doi: 10.1093/nop/npx021.
- 50.) **Sollmann N**, Kelm A, Ille S, Schröder A, Zimmer C, Ringel F, Meyer B, Krieg SM. Setup presentation and clinical outcome analysis of treating highly language-eloquent gliomas via preoperative navigated transcranial magnetic stimulation and tractography. *Neurosurg Focus*. 2018 Jun;44(6):E2. doi: 10.3171/2018.3.FOCUS1838.
- 51.) Butenschön VM, Ille S, **Sollmann N**, Meyer B, Krieg SM. Cost-effectiveness of preoperative motor mapping with navigated transcranial magnetic brain stimulation in patients with high-grade glioma. *Neurosurg Focus*. 2018 Jun;44(6):E18. doi: 10.3171/2018.3.FOCUS1830.
- 52.) Klupp E, Cervantes B, **Sollmann N**, Treibel F, Weidlich D, Baum T, Rummeny EJ, Zimmer C, Kirschke JS, Karampinos DC. Improved Brachial Plexus Visualization Using an Adiabatic iMSDE-Prepared STIR 3D TSE. *Clin Neuroradiol*. 2018 Jul 23. doi: 10.1007/s00062-018-0706-0. [Epub ahead of print]
- 53.) Anitha D, Mei K, Dieckmeyer M, Kopp FK, **Sollmann N**, Zimmer C, Kirschke JS, Noel PB, Baum T, Subburaj K. MDCT-based Finite Element Analysis of Vertebral Fracture Risk: What Dose is Needed? *Clin Neuroradiol*. 2018 Aug 21. doi: 10.1007/s00062-018-0722-0. [Epub ahead of print]
- 54.) **Sollmann N***, Mei K*, Schwaiger BJ, Gersing AS, Kopp FK, Bippus R, Maegerlein C, Zimmer C, Rummeny EJ, Kirschke JS, Noel PB, Baum T. Effects of virtual tube current reduction and sparse sampling on MDCT-based femoral BMD measurements. *Osteoporos Int*. 2018 Aug 24. doi: 10.1007/s00198-018-4675-6. [Epub ahead of print]
- 55.) Panchal H*, **Sollmann N***, Pasternak O, Alosco ML, Kinzel P, Kaufmann D, Hartl E, Forwell LA, Johnson AM, Skopelja EN, Shenton ME, Koerte IK*, Echlin PS*, Lin AP*. Neuro-Metabolite Changes in a Single Season of University Ice Hockey Using Magnetic Resonance Spectroscopy. *Front Neurol*. 2018 Aug 20;9:616. doi: 10.3389/fneur.2018.00616.

Case Reports

- 56.) **Sollmann N**, Picht T, Mäkelä JP, Meyer B, Ringel F, Krieg SM. Navigated transcranial magnetic stimulation for preoperative language mapping in a patient with a left frontoopercular glioblastoma.
J Neurosurg. 2013 Jan;118(1):175-9.
- 57.) **Sollmann N**, Giglhuber K, Tussis L, Meyer B, Ringel F, Krieg SM. nTMS-based DTI fiber tracking for language pathways correlates with language function and aphasia – A case report.
Clin Neurol Neurosurg. 2015 Sep;136:25-8.

Review Articles

- 58.) Landgraf MN, König H, Hannibal I, Langhagen T, Bonfert MV, Klose B, Rahmsdorf B, Giese RM, Straube A, von Kries R, Albers L, Ebinger F, Ertl-Wagner B, Kammer B, Koerte I, **Sollmann N**, Krieg S, Heinen F. [Migraine in children and adolescents-brain and muscle? : Another example of why children are not small adults].
Nervenarzt. 2017 Dec;88(12):1402-1410. doi: 10.1007/s00115-017-0428-6.

Book Chapters

- 59.) **Sollmann N**, Meyer B, Krieg SM. Integration of functional data in the clinical workflow. In: Krieg SM (Ed.): Navigated Transcranial Magnetic Stimulation in Neurosurgery. Springer. 1st ed. 2017.