

MagVenture Publications list

Taylor, Stephan F., et al.

A naturalistic, multi-site study of repetitive transcranial magnetic stimulation therapy for depression

Journal of Affective Disorders 208 (2017): 284-290.

Sgherri, G., et al.

Rationale of an Integrated Robotic Approach for Upper Limb Functional Rehabilitation

Converging Clinical and Engineering Research on Neurorehabilitation II. Springer International Publishing, 2017. 519-523.

Møllerlækken, Ole Jacob, Helen Stavang, and Kjell Hansson Mild.

Staff exposure to pulsed magnetic fields during depression treatment with transcranial magnetic stimulation.

International journal of occupational safety and ergonomics (2016): 1-4.

Fricke, C., T. Woost, and J. Claßen.

EP 65. Non-invasive brain stimulation for the treatment of Parkinson's disease—A pilot study.

Clinical Neurophysiology 127.9 (2016): e265-e266.

Remanan, Rahul, Janki Panchal, and Dale Lange. "

Role of Neuronavigation for Training and Improvement of Accuracy During Transcranial Magnetic Stimulation (P6. 262).

Neurology 86.16 Supplement (2016): P6-262.

Parthoens, Joke, et al.

Performance Characterization of an Actively Cooled Repetitive Transcranial Magnetic Stimulation Coil for the Rat.

Neuromodulation: Technology at the Neural Interface (2016).

Kimiskidis, Vasilios K., et al.

TMS combined with EEG in Genetic Generalized Epilepsy: A phase II diagnostic accuracy study.

Clinical Neurophysiology (2016).

Choi, Cheol-Min, et al.

Effects of Repetitive Transcranial Magnetic Stimulation Over Trunk Motor Spot on Balance Function in Stroke Patients.

Annals of Rehabilitation Medicine 40.5 (2016): 826-834.

Wang, Pan, et al.

Cortical function in Alzheimer's disease and frontotemporal dementia

Translational Neuroscience 7.1 (2016): 116-125.

Schulze, Laura, et al.

Effect of antipsychotic pharmacotherapy on clinical outcomes of intermittent theta-burst stimulation for refractory depression.

Journal of Psychopharmacology (2016): 0269881116675516.

Zardouz, Shawn, Lei Shi, and Albert Leung.

A feasible repetitive transcranial magnetic stimulation clinical protocol in migraine prevention.
SAGE Open Medical Case Reports 4 (2016): 2050313X16675257.

Rogasch, Nigel C., et al.

Analysing concurrent transcranial magnetic stimulation and electroencephalographic data: A review and introduction to the open-source TESA software
NeuroImage (2016).

Martinez-Cancino, D. P., et al.

Effects of high frequency rTMS on sleep deprivation: A pilot study
Engineering in Medicine and Biology Society (EMBC), 2016 IEEE 38th Annual International Conference of the. IEEE, 2016.

Lamola, Giuseppe, et al.

Neurophysiological Characterization of Subacute Stroke Patients: A Longitudinal Study
Frontiers in Human Neuroscience 10 (2016): 574.

Donse, Lana, et al.

Sleep disturbances in obsessive-compulsive disorder: Association with response to repetitive transcranial magnetic stimulation (rTMS)
my. thesisnl (2016): 95.

Wang, Hui, et al.

Factor Analysis of Low-Frequency Repetitive Transcranial Magnetic Stimulation to the Temporoparietal Junction for Tinnitus
Neural Plasticity 2016 (2016).

Remanan, Rahul, et al.

Assessment of corticospinal tract dysfunction and disease severity in amyotrophic lateral sclerosis
arXiv preprint arXiv:1609.08980 (2016).

Bungert, Andreas, et al.

Where does TMS Stimulate the Motor Cortex? Combining Electrophysiological Measurements and Realistic Field Estimates to Reveal the Affected Cortex Position
Cerebral Cortex (2016).

Philpott, April L., et al.

Cortical inhibitory deficits in Huntington's disease are not influenced by gender
Psychiatry Research: Neuroimaging 257 (2016): 1-4.

Kuhn, Y-A., et al.

Adopting an external focus of attention alters intracortical inhibition within the primary motor cortex
Acta Physiologica (2016).

Runnalls, Keith D., Greg Anson, and Winston D. Byblow.

Posture interacts with arm weight support to modulate corticomotor excitability to the upper limb
Experimental Brain Research (2016): 1-11.

Riedel, Philipp, et al.

Witnessing loss of consciousness during TMS–Syncope in contrast to seizure

Clinical Neurophysiology Practice 1 (2016): 58-61.

Struik, Femke.

BOLD Activation in the Oculomotor Network After Perturbation of the Parietal Eye Fields: Implications for Parkinson’s Disease.

Nijmegen CNS | VOL 11 | ISSUE 2 (2016)

Fried, Peter J., et al.

Humans with Type-2 Diabetes Show Abnormal Long-Term Potentiation-Like Cortical Plasticity Associated with Verbal Learning Deficits

Journal of Alzheimer’s Disease Preprint (2016): 1-12.

Abulhasan, Jawad F., et al.

Peripheral Electrical and Magnetic Stimulation to Augment Resistance Training

Journal of Functional Morphology and Kinesiology 1.3 (2016): 328-342.

Guo, Zhiwei, et al.

Ipsilesional High Frequency Repetitive Transcranial Magnetic Stimulation Add-On Therapy Improved Diffusion Parameters of Stroke Patients with Motor Dysfunction: A Preliminary DTI Study

Neural Plasticity (2016).

Beaulé, Vincent, et al.

Modulation of physiological mirror activity with transcranial direct current stimulation over dorsal premotor cortex

European Journal of Neuroscience 44.9 (2016): 2730-2734.

Meille, Vincent, et al.

Effects of Transcranial Magnetic Stimulation on the Hypothalamic-Pituitary Axis in Depression: Results of a Pilot Study

The Journal of Neuropsychiatry and Clinical Neurosciences (2016): appi-neuropsych.

Cirillo, John, and Winston D. Byblow.

Threshold tracking primary motor cortex inhibition: the influence of current direction

European Journal of Neuroscience 44.8 (2016): 2614-2621.

Sasaki, Nobuyuki, et al.

High-frequency rTMS on leg motor area in the early phase of stroke

Acta Neurologica Belgica (2016): 1-6.

Iscan, Zafer, et al.

Pre-stimulus Alpha Oscillations and Inter-subject Variability of Motor Evoked Potentials in Single-and Paired-Pulse TMS Paradigms

Frontiers in Human Neuroscience 10 (2016)

Cash, Robin FH, et al.

Characterization of Glutamatergic and GABAA-Mediated Neurotransmission in Motor and Dorsolateral Prefrontal Cortex Using Paired-Pulse TMS–EEG

Neuropsychopharmacology (2016).

Brückner, Sabrina, and Thomas Kammer.

Modulation of Visual Cortex Excitability by Continuous Theta Burst Stimulation Depends on Coil Type

PloS one 11.7 (2016): e0159743.

Kim, Jungyun, et al. "

Effects of high-frequency repetitive transcranial magnetic stimulation (rTMS) on spontaneously hypertensive rats, an animal model of attention-deficit/hyperactivity disorder

International Journal of Developmental Neuroscience 53 (2016): 83-89.

Zajkowski, Wojciech K., Robert C. Wilson, and Malgorzata Kossut

A causal role for right frontopolar cortex in directed, but not random, exploration

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Du, J., et al.

Effects of repetitive transcranial magnetic stimulation on motor recovery and motor cortex excitability in patients with stroke: a randomized controlled trial

European Journal of Neurology 23.11 (2016): 1666-1672.

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Motor cortical plasticity in extrinsic hand muscles is determined by the resting thresholds of overlapping representations

Neuroscience 333 (2016): 132-139.

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Im, Hyungjun, et al.

Virtual Reality-Guided Motor Imagery Increases Corticomotor Excitability in Healthy Volunteers and Stroke Patients

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Brambilla, L., et al.

Early effect of dalfampridine in patients with MS: A multi-instrumental approach to better investigate responsiveness

Journal of the Neurological Sciences 368 (2016): 402-407.

Davis, Simon W., et al.

Causal Relationships Underlying Episodic Memory Network Dynamics in Older Adults

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Numerical Analyses of Transcranial Magnetic Stimulation Based on Individual Brain Models by Using a Scalar-Potential Finite-Difference Method

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Behrendt, Frank, et al.

Motor-Evoked Potentials in the Lower Back Are Modulated by Visual Perception of Lifted Weight

PloS one 11.6 (2016): e0157811.

Engel, Alice, and Sarah Kayser.

An overview on clinical aspects in magnetic seizure therapy

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Hwang, Pyoungsik, et al.

Transcranial Motor Evoked Potentials of Lower Limbs Can Prognosticate Ambulation in Hemiplegic Stroke Patients

Annals of Rehabilitation Medicine 40.3 (2016): 383-391.

Tang, Alexander D., et al.

Construction and Evaluation of Rodent-Specific rTMS Coils

Frontiers in Neural Circuits 10 (2016).

Kreuzer, Peter M., et al.

A proof-of-concept study on the combination of repetitive transcranial magnetic stimulation and relaxation techniques in chronic tinnitus

Journal of Neural Transmission 123.10 (2016): 1147-1157.

Fedele, Tommaso, et al.

Long-range temporal correlations in the amplitude of alpha oscillations predict and reflect strength of intracortical facilitation: combined TMS and EEG study

Neuroscience 331 (2016): 109-119.

Momosaki, Ryo, et al.

Influence of repetitive peripheral magnetic stimulation on neural plasticity in the motor cortex related to swallowing

International journal of rehabilitation research (2016).

Oberman, Lindsay M., et al.

Abnormal Mechanisms of Plasticity and Metaplasticity in Autism Spectrum Disorders and Fragile X Syndrome

Journal of child and adolescent psychopharmacology (2016).

Caumo, Wolnei, et al.

Motor Cortex Excitability and BDNF Levels in Chronic Musculoskeletal Pain According to Structural Pathology

Frontiers in Human Neuroscience 10 (2016).

Vennewald, Nadja, et al.

Emotional processing and rTMS: does inhibitory theta burst stimulation affect the human startle reflex?

Journal of Neural Transmission (2016): 1-11.

Harquel, Sylvain, et al.

Mapping dynamical properties of cortical microcircuits using robotized TMS and EEG: Towards functional cytoarchitectonics

NeuroImage 135 (2016): 115-124.

Schulze, Laura, et al.

Cognitive safety of dorsomedial prefrontal repetitive transcranial magnetic stimulation in major depression

European Neuropsychopharmacology (2016).

Royter, Vladislav, and Alireza Gharabaghi.

Brain state-dependent closed-loop modulation of paired associative stimulation controlled by sensorimotor desynchronization

Frontiers in cellular neuroscience 10 (2016).

Demeter, Elise, et al.

Short theta burst stimulation to left frontal cortex prior to encoding enhances subsequent recognition memory

Cognitive, Affective, & Behavioral Neuroscience (2016): 1-12.

Chang, Won Hyuk, et al.

Optimal number of pulses as outcome measures of neuronavigated transcranial magnetic stimulation

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IWATSUKI, Koichi, et al.

A Pilot Clinical Study of Olfactory Mucosa Autograft for Chronic Complete Spinal Cord Injury

Neurologia medico-chirurgica 0 (2016).

Ayache, S. S., et al.

Analgesic effects of navigated motor cortex rTMS in patients with chronic neuropathic pain

European Journal of Pain (2016).

Cakar, Engin, et al.

The relationships of motor-evoked potentials to hand dexterity, motor function, and spasticity in chronic stroke patients: a transcranial magnetic stimulation study

Acta Neurologica Belgica (2016): 1-7.

Cha, Yoon-Hee, Diamond Urbano, and Nicole Pariseau.

Randomized single blind sham controlled trial of adjunctive home-based tDCS after rTMS for Mal de Debarquement Syndrome: safety, efficacy, and participant satisfaction assessment

Brain stimulation (2016).

Almeida, Alexandre Cardozo, et al.

Spectral F Test for Detecting EEG Event Related Synchronization/Desynchronization Caused by Transcranial Magnetic Stimulation

XIV Mediterranean Conference on Medical and Biological Engineering and Computing 2016. Springer International Publishing, 2016.

Uglen, M., et al.

Non-invasive cortical modulation of experimental pain in migraine

Clinical Neurophysiology 127.6 (2016): 2362-2369.

Farzan, Faranak, et al.

Enhancing the Temporal Complexity of Distributed Brain Networks with Patterned Cerebellar Stimulation

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Niimi, Masachika, et al.

Role of Brain-Derived Neurotrophic Factor in Beneficial Effects of Repetitive Transcranial Magnetic Stimulation for Upper Limb Hemiparesis after Stroke.

PloS one 11.3 (2016): e0152241.

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Functional co-activation within the prefrontal cortex supports the maintenance of behavioural performance in fear-relevant situations before an iTBS modulated virtual reality challenge in participants with spider phobia

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Fitzgerald, Paul B., et al.

A negative double-blind controlled trial of sequential bilateral rTMS in the treatment of bipolar depression

Journal of affective disorders 198 (2016): 158-162.

Sun, Yinming, et al.

Indicators for remission of suicidal ideation following magnetic seizure therapy in patients with treatment-resistant depression

JAMA psychiatry 73.4 (2016): 337-345.

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The Hand Motor Hotspot is not Always Located in the Hand Knob: A Neuronavigated Transcranial Magnetic Stimulation Study

Brain topography (2016): 1-8.

Ragni, Marco, et al.

Uncertain relational reasoning in the parietal cortex

Brain and cognition 104 (2016): 72-81.

Vaseghi, Bita, Maryam Zoghi, and Shapour Jaberzadeh.

Unihemispheric concurrent dual-site cathodal transcranial direct current stimulation: the effects on corticospinal excitability

European Journal of Neuroscience 43.9 (2016): 1161-1172.

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Repetitive Transcranial Magnetic Stimulation Educes Frequency-Specific Causal Relationships in the Motor Network

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Performance Characterization of an Actively Cooled Repetitive Transcranial Magnetic Stimulation Coil for the Rat

Neuromodulation: Technology at the Neural Interface (2016).

Vinit, Stéphane, et al.

Reorganization of Respiratory Descending Pathways following Cervical Spinal Partial Section Investigated by Transcranial Magnetic Stimulation in the Rat

PloS one 11.2 (2016): e0148180.

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Space, time, and numbers in the right posterior parietal cortex: Differences between response code associations and congruency effects

NeuroImage 129 (2016): 72-79.

Pommier, B., et al.

Robot-guided neuronavigated rTMS as an alternative therapy for central (neuropathic) pain: Clinical experience and long-term follow-up

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Magnetic resonance therapy improves clinical phenotype and EEG alpha power in posttraumatic stress disorder

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