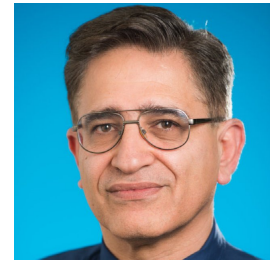


Professor. Shapour Jaberzadeh
Physiotherapy
Email: Shapour.Jaberzadeh@monash.edu



Personal details

Name: Shapour Jaberzadeh

Present position: Professor, Dep. of Physiotherapy, School of Primary Health Care, Faculty of Medicine, Nursing and Health Sciences, Monash University, Peninsula Campus.

Director of Higher Degree by Research Students
Director of Non-invasive Brain Stimulation & Neuroplasticity Laboratory

Contact details: Phone +61 3 9904 4827 E-mail shapour.jaberzadeh@monash.edu

Academic qualifications

1. **Graduate Certificate in Health Professional Education (GCHPE)**, Monash University, Australia. Awarded December 2007
2. **Doctor of Philosophy (PhD)**, University of South Australia, Australia. Awarded May 2002.
3. **Master of Applied Sciences in Physiotherapy (Manipulative therapy)**, University of South Australia, Australia. Awarded May 1998.
4. **Master of Science (Physiotherapy)**, Iran Medical Science University, Tehran, Iran, Awarded July 1992
5. **Bachelor of Applied Sciences in Physiotherapy**, Shiraz Medical Science University, Shiraz, IRAN, Awarded Feb 1985

Grants

Supervisor Development Grant (2015) (\$10,000.00)

Investigators: Dr Shapour Jaberzadeh, Associate Professor Prue Morgan.

Title of project: Design and development of an online interactive tool for professional development of graduate research supervisors

SPHC seeding Grant 2015 (\$5000)

Investigators: Dr Shapour Jaberzadeh, Dr Maryam Zoghi, Associate professor Abbas Kouzani.

Title of project: Design and development of a Head mountable tDCS device

SPHC Travel Grant 2014 (\$1,500.0)

Department of Physiotherapy, Fatima fund 2014 (\$5000.00)

Investigator: Dr Shapour Jaberzadeh,

Strategic Grant Scheme, Project Grant 2015, Faculty of Medicine, Nursing & Health Sciences, (\$50,000.00)

Investigators: Dr Farshad Mansouri, Dr Shapour Jaberzadeh,

NHMRC equipment grant 2013 (\$200,000.00)

Investigators: Associate Professor Terry Haines, Dr Shapour Jaberzadeh, Christian Osadnic

Fatima Fund 2013, Department of Physiotherapy (\$55,000)

Investigator: Dr Shapour Jaberzadeh,

Title of Project: The effects of TMS on corticospinal excitability

SPHC Seeding Grant 2013 (\$5000)

Investigators: Dr Shapour Jaberzadeh, Professor Lorimer Moseley, Dr Maryam Zoghi, Associate professor Abbas Kouzani, Dr Farshad Mansouri.

Title of project: Transcranial direct current stimulation of pain neuromatrix: A novel drug-free technique to increase

sensory and pain threshold

Strategic Grant Scheme, Project Grant 2013, Faculty of Medicine, Nursing & Health Sciences, (\$47, 762)

Investigators: Dr Shapour Jaberzadeh, Professor Paul Fitzgerald, Prue Morgan, Dr Maryam Zoghi

Title of project: Transcranial pulsed current stimulation: an innovative neuromodulatory technique to further boost capacity of our ever-changing brain

Fatima Fund, Department of Physiotherapy, 2012 (\$32,000)

Investigator: Dr Shapour Jaberzadeh,

Title of Project: Upgrade Magstim 200 to Bistim

Collier Charitable 2012 (\$2070)

Investigator: Dr Shapour Jaberzadeh,

Title of Project: SuperLab and StimTracker + Accessories

CRG 2012 (\$18,000)

School of Exercise and Nutrition Sciences, Deakin University

Investigators: Dr Dawson Kidgel, Dr Shapour Jaberzadeh, Professor Rob Daly

Title of project: Transcranial direct current stimulation: A novel method to induce neuroplasticity.

Strategic Grant Scheme, Early Career Development Grant 2008 (\$36000)

Faculty of medicine, nursing and health sciences, Monash University

Investigators: Dr Shapour Jaberzadeh, Professor Jenny Keating, Dr Peter Kent

Title of Project: Comparison of effects of loaded and unloaded exercise on central motor excitability in patients with non specific low back pain

Learning and teaching performance fund 2007 (\$48000)

Faculty of medicine, nursing and health sciences, Monash University

Investigators: Dr. G.T. Brown, Dr Shapour Jaberzadeh, Mr. B. Williams

Dr. Lisa McKenna, Claire Palermo, Ms. Caroline Wright, Dr. Michal Schneider-Kolsky, Dr. Louis Roller, Ms. Lesley Hewitt, Dr. Tangerine-Ann Holt, Dr. Jenny Sim, Ms. Anslie Jackel

Title of Project: The relationship between learning styles and attitudes of health science students enrolled at Monash University

Travel Grant (\$400) Faculty of Health and Biomedical Sciences, University of South Australia, Australia, Oct 2000

Small Grant (\$6750), Faculty of Health and Biomedical Sciences, University of South Australia, Australia Dec 1998.

Investigators: Dr Andrea Warden-Flood, Dr Sheila Scutter and Shapour Jaberzadeh.

Title of Project: Reliability of a method to determine evoked muscle responses, muscle stiffness and pain onset in the upper limb during neurodynamic testing in subjects with and without carpal tunnel syndrome.

Learned Societies

Employment

Professor

Physiotherapy

MONASH UNIVERSITY

28 Nov 2005 → present

Research outputs

Transcranial direct current stimulation over dorsolateral prefrontal cortex improves postural stability in non-specific chronic low back pain patients with high fear of pain: A randomized sham-controlled trial

Ehsani, F., Masoudi, M., Hedayati, R. & Jaberzadeh, S., Sept 2023, In: European Journal of Neuroscience. 58, 5, p. 3315-3329 15 p.

Concurrent multi-session anodal trans-cranial direct current stimulation enhances pelvic floor muscle training effectiveness for female patients with multiple sclerosis suffering from urinary incontinence and pelvic floor dysfunction: a randomized clinical trial study

Ramezani, M., Ehsani, F., Delkhosh, C. T., Masoudian, N. & Jaberzadeh, S., Aug 2023, In: International Urogynecology Journal. 34, 8, p. 1771-1779 9 p.

Mental fatigue does not affect static balance under both single and dual task conditions in young adults

Salihu, A. T., Usman, J. S., Hill, K. D., Zoghi, M. & Jaberzadeh, S., Jul 2023, In: Experimental Brain Research. 241, 7, p. 1769–1784 16 p.

The Effect of Uni-Hemispheric Dual-Site Anodal tDCS on Brain Metabolic Changes in Stroke Patients: A Randomized Clinical Trial

Azarnia, S., Ezzati, K., Saberi, A., Naghdi, S., Abdollahi, I. & Jaberzadeh, S., Jul 2023, In: Brain Sciences. 13, 7, 10 p., 1100.

Priming Effects of Anodal Transcranial Direct Current Stimulation on the Effects of Conventional Physiotherapy on Balance and Muscle Performance in Athletes With Anterior Cruciate Ligament Injury

Tohidirad, Z., Ehsani, F., Bagheri, R. & Jaberzadeh, S., 1 Mar 2023, In: Journal of Sport Rehabilitation. 32, 3, p. 315-324 10 p.

Mental Fatigue Impairs Postural Stability in Older Adults

Nikooahar Salehi, E., Jaydari Fard, S. & Jaberzadeh, S., 2023, In: Research Quarterly for Exercise and Sport. 94, 2, p. 401-408 8 p.

The effect of omega-3 fatty acid supplementation on seizure frequency in individuals with epilepsy: a systematic review and meta-analysis

Sohouli, M. H., Razmpoosh, E., Zarrati, M. & Jaberzadeh, S., 2 Nov 2022, In: Nutritional Neuroscience. 25, 11, p. 2421-2430 10 p.

Digitalized transcranial electrical stimulation: A consensus statement

Brunoni, A. R., Ekhtiari, H., Antal, A., Auvichayapat, P., Baeken, C., Benseñor, I. M., Bikson, M., Boggio, P., Borroni, B., Brighina, F., Brunelin, J., Carvalho, S., Caumo, W., Ciechanski, P., Charvet, L., Clark, V. P., Cohen Kadosh, R., Cotelli, M., Datta, A., Deng, Z. D., & 54 others De Raedt, R., De Ridder, D., Fitzgerald, P. B., Floel, A., Frohlich, F., George, M. S., Ghobadi-Azbari, P., Goerigk, S., Hamilton, R. H., Jaberzadeh, S. J., Hoy, K., Kidgell, D. J., Zonoozi, A. K., Kirton, A., Laureys, S., Lavidor, M., Lee, K., Leite, J., Lisanby, S. H., Loo, C., Martin, D. M., Miniussi, C., Mondino, M., Monte-Silva, K., Morales-Quezada, L., Nitsche, M. A., Okano, A. H., Oliveira, C. S., Onarheim, B., Pacheco-Barrios, K., Padberg, F., Nakamura-Palacios, E. M., Palm, U., Paulus, W., Plewnia, C., Priori, A., Rajji, T. K., Razza, L. B., Rehn, E. M., Ruffini, G., Schellhorn, K., Zare-Bidoky, M., Simis, M., Skorupinski, P., Suen, P., Thibaut, A., Valiengo, L. C. L., Vanderhasselt, M. A., Vanneste, S., Venkatasubramanian, G., Violante, I. R., Wexler, A., Woods, A. J. & Fregni, F., Nov 2022, In: Clinical Neurophysiology. 143, p. 154-165 12 p.

Effect of Dietary-Based Lifestyle Modification Approaches on Anthropometric Indices and Dietary Intake Parameters in Women with Breast Cancer: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Raji Lahiji, M., Vafa, S., de Souza, R. J., Zarrati, M., Sajadian, A., Razmpoosh, E. & Jaberzadeh, S., 2 Oct 2022, In: Advances in Nutrition. 13, 5, p. 1974-1988 15 p.

Feasibility of the A-STEP for the assessment of exercise capacity in people with cystic fibrosis

Wilson, L. M., Potter, A., Maher, C., Ellis, M. J., Lane, R. L., Wilson, J. W., Keating, D. T., Jaberzadeh, S. & Button, B. M., Oct 2022, In: Pediatric Pulmonology. 57, 10, p. 2524-2532 9 p.

The effects of concurrent bilateral anodal tDCS of primary motor cortex and cerebellum on corticospinal excitability: a randomized, double-blind sham-controlled study

Behrangrad, S., Zoghi, M., Kidgell, D., Mansouri, F. & Jaberzadeh, S., Sept 2022, In: Brain Structure and Function. 227, 7, p. 2395-2408 14 p.

Comparison of transcallosal inhibition between hemispheres and its relationship with motor behavior in patients with severe upper extremity impairment after subacute stroke

Salehi Dehno, N., Kamali, F., Shariat, A. & Jaberzadeh, S., Jun 2022, In: Journal of Stroke and Cerebrovascular Diseases. 31, 6, 9 p., 106469.

Priming of postural training with cerebellar anodal transcranial direct current stimulation for its effects on postural balance and fear of falling in patients with multiple sclerosis: A randomized, double-blind, sham-controlled study

Ehsani, F., Ahmadi, M., Masoudian, N. & Jaberzadeh, S., May 2022, In: Journal of Clinical Neuroscience. 99, p. 294-301 8 p.

Effects of static stretching and strengthening exercises on flexion relaxation ratio in patients with LBP: A randomized clinical trial

Shamsi, M. B., Ahmadi, A., Mirzaei, M. & Jaberzadeh, S., Apr 2022, In: Journal of Bodywork and Movement Therapies. 30, p. 196-202 7 p.

The Effects of Monophasic Anodal Transcranial Pulsed Current Stimulation on Corticospinal Excitability and Motor Performance in Healthy Young Adults: A Randomized Double-Blinded Sham-Controlled Study

Dissanayaka, T., Zoghi, M., Farrell, M., Egan, G. & Jaberzadeh, S., Apr 2022, In: Brain Connectivity. 12, 3, p. 260-274 15 p.

Effect of cognitive task complexity on dual task postural stability: a systematic review and meta-analysis

Salihu, A. T., Hill, K. D. & Jaberzadeh, S., Mar 2022, In: Experimental Brain Research. 240, 3, p. 703-731 29 p.

The effects of concurrent M1 anodal tDCS and physical therapy interventions on function of ankle muscles in patients with stroke: a randomized, double-blinded sham-controlled trial study

Ehsani, F., Mortezaejad, M., Yosephi, M. H., Daniali, S. & Jaberzadeh, S., Mar 2022, In: Neurological Sciences. 43, 3, p. 1893-1901 9 p.

Neural mechanisms underlying state mental fatigue: a systematic review and activation likelihood estimation meta-analysis

Salihu, A. T., Hill, K. D. & Jaberzadeh, S., 2022, In: Reviews in the Neurosciences. 33, 8, p. 889-917 29 p.

The Effects of Synbiotic Supplementation on Serum Anti-Inflammatory Factors in the Survivors of Breast Cancer with Lymphedema following a Low Calorie Diet: A Randomized, Double-Blind, Clinical Trial

Saneei Totmaj, A., Haghighat, S., Jaberzadeh, S., Navaei, M., Vafa, S., Janani, L., Emamat, H., Salehi, Z., Izad, M. & Zarrati, M., 2022, In: Nutrition and Cancer. 74, 3, p. 869-881 13 p.

Transcranial Direct Current Stimulation Reduces the Negative Impact of Mental Fatigue on Swimming Performance

Nikooahar Salehi, E., Jaydari Fard, S., Jaberzadeh, S. & Zoghi, M., 2022, In: Journal of Motor Behavior. 54, 3, p. 327-336 10 p.

Development of the A-STEP: A new incremental maximal exercise capacity step test in cystic fibrosis

Wilson, L. M., Ellis, M. J., Lane, R. L., Wilson, J. W., Keating, D. T., Jaberzadeh, S. & Button, B. M., Dec 2021, In: Pediatric Pulmonology. 56, 12, p. 3777-3784 8 p.

The Effect of a Single Session of Non-Invasive Brain Stimulation on Balance in Healthy Individuals: A Systematic Review and Best Evidence Synthesis

Behrangrad, S., Zoghi, M., Kidgell, D. J. & Jaberzadeh, S., 21 Nov 2021, In: Brain Connectivity. 11, 9, p. 695-716 22 p.

Psychometric properties of the Persian version of the brief illness questionnaire in Iranian with non-specific chronic neck pain

Seydi, M., Akhbari, B., Ghasem Abad, S. K., Jaberzadeh, S., Saeedi, A., Ashrafi, A. & Shakoorianfard, M. A., Oct 2021, In: Journal of Bodywork and Movement Therapies. 28, p. 323-331 9 p.

Letter to the editor: Reducing seizure frequency in patients with refractory epilepsy with cathodal transcranial direct current stimulation

Zoghi, M. & Jaberzadeh, S., 1 Sept 2021, In: Brain Stimulation. 14, 5, p. 1091-1092 2 p.

Investigating the sex-dependent effects of prefrontal cortex stimulation on response execution and inhibition

Fehring, D. J., Samandra, R., Haque, Z. Z., Jaberzadeh, S., Rosa, M. & Mansouri, F. A., 17 Aug 2021, In: Biology of Sex Differences. 12, 1, 13 p., 47.

Does anodal trans-cranial direct current stimulation of the damaged primary motor cortex affects wrist flexor muscle spasticity and also activity of the wrist flexor and extensor muscles in patients with stroke? a Randomized Clinical Trial
Halakoo, S., Ehsani, F., Masoudian, N., Zoghi, M. & Jaberzadeh, S., Jul 2021, In: Neurological Sciences. 42, 7, p. 2763-2773 11 p.

Pain Induced Changes in Brain Oxyhemoglobin: A Systematic Review and Meta-Analysis of Functional NIRS Studies
Hall, M., Kidgell, D., Perraton, L., Morrissey, J. & Jaberzadeh, S., Jun 2021, In: Pain Medicine. 22, 6, p. 1399-1410 12 p.

Short-term research projects in cognitive neuroscience for undergraduate students: a contingency plan to maintain quality teaching during COVID-19 pandemic
Jaberzadeh, S. & Mansouri, F. A., 7 May 2021, In: Advances in Physiology Education. 45, 2, p. 376-383 8 p.

Unilateral Strength Training of the Less Affected Hand Improves Cortical Excitability and Clinical Outcomes in Patients With Subacute Stroke: A Randomized Controlled Trial
Salehi Dehno, N., Kamali, F., Shariat, A. & Jaberzadeh, S., 1 May 2021, In: Archives of Physical Medicine and Rehabilitation. 102, 5, p. 914-924 11 p.

The effects of transcranial direct current stimulation on corticospinal and cortico-cortical excitability and response variability: Conventional versus high-definition montages
Pellegrini, M., Zoghi, M. & Jaberzadeh, S., May 2021, In: Neuroscience Research. 166, p. 12-25 14 p.

Is Ankle Plantar Flexor Strength Associated With Balance and Walking Speed in Healthy People? A Systematic Review and Meta-Analysis
Tavakkoli Oskouei, S., Malliaras, P., Jansons, P., Hill, K., Soh, S. E., Jaberzadeh, S. & Perraton, L., Apr 2021, In: PTJ: Physical Therapy & Rehabilitation Journal. 101, 4, 12 p., pzab018.

Can genetic polymorphisms predict response variability to anodal transcranial direct current stimulation of the primary motor cortex?
Pellegrini, M., Zoghi, M. & Jaberzadeh, S., Mar 2021, In: European Journal of Neuroscience. 53, 5, p. 1569-1591 23 p.

Genetic Polymorphisms Do Not Predict Interindividual Variability to Cathodal Transcranial Direct Current Stimulation of the Primary Motor Cortex
Pellegrini, M., Zoghi, M. & Jaberzadeh, S., Feb 2021, In: Brain Connectivity. 11, 1, p. 56-72 17 p.

Determination of anodal tDCS intensity threshold for reversal of corticospinal excitability: an investigation for induction of counter-regulatory mechanisms
Hassanzahraee, M., Nitsche, M. A., Zoghi, M. & Jaberzadeh, S., 1 Dec 2020, In: Scientific Reports. 10, 1, 9 p., 16108.

The effects of a single-session cathodal transcranial pulsed current stimulation on corticospinal excitability: A randomized sham-controlled double-blinded study
Dissanayaka, T., Zoghi, M., Farrell, M., Egan, G. & Jaberzadeh, S., Dec 2020, In: European Journal of Neuroscience. 52, 12, p. 4908-4922 15 p.

Non-invasive Brain Stimulation and Exercise Performance
Jaberzadeh, S. & Zoghi, M., 1 Nov 2020, *Principles of Exercise Neuroscience*. Kidgell, D. J. & Pearce, A. J. (eds.). 1st ed. United Kingdom: Cambridge Scholars Publishing, p. 75-90 16 p.

The effect of transcranial pulsed current stimulation at 4 and 75Hz on electroencephalography theta and high gamma band power: a pilot study
Dissanayaka, T., Zoghi, M., Hill, A., Farrell, M., Egan, G. & Jaberzadeh, S., 1 Nov 2020, In: Brain Connectivity. 10, 9, p. 520-531 12 p.

Does M1 anodal transcranial direct current stimulation affects online and offline motor learning in patients with multiple sclerosis?

Masoudian, N., Ehsani, F., Nazari, M., Zoghi, M. & Jaberzadeh, S., 1 Sept 2020, In: Neurological Sciences. 41, 9, p. 2539–2546 8 p.

Multi-session anodal transcranial direct current stimulation enhances lower extremity functional performance in healthy older adults

Rostami, M., Mosallanezhad, Z., Ansari, S., Ehsani, F., Kidgell, D., Nourbakhsh, M. R., Bakhshi, E. & Jaberzadeh, S., 1 Sept 2020, In: Experimental Brain Research. 238, 1, p. 1925-1936 12 p.

The effects of stabilization exercise on the thickness of lateral abdominal muscles during standing tasks in women with chronic low back pain: A randomized triple-blinded clinical trial study

Ehsani, F., Hedayati, R., Bagheri, R. & Jaberzadeh, S., Sept 2020, In: Journal of Sport Rehabilitation. 29, 7, p. 942-951 10 p.

Comparing the effects of multi-session anodal trans-cranial direct current stimulation of primary motor and dorsolateral prefrontal cortices on fatigue and quality of life in patients with multiple sclerosis: a double-blind, randomized, sham-controlled trial

Mortezaejad, M., Ehsani, F., Masoudian, N., Zoghi, M. & Jaberzadeh, S., 1 Aug 2020, In: Clinical Rehabilitation. 34, 8, p. 1103-1111 9 p.

Test-retest reliability and responsiveness of isokinetic dynamometry to assess wrist flexor muscle spasticity in subacute post-stroke hemiparesis

Salehi Dehno, N., Kamali Sarvestani, F., Shariat, A. & Jaberzadeh, S., Jul 2020, In: Journal of Bodywork and Movement Therapies. 24, 3, p. 38-43 6 p.

The effects of consecutive sessions of anodal transcranial direct current stimulation over the primary motor cortex on hand function in healthy older adults

Rostami, M., Mosallanezhad, Z., Ansari, S., Kidgell, D., Rezaeian, T., Bakhshi, E., Ghodrati, M. & Jaberzadeh, S., Jul 2020, In: Archives of Gerontology and Geriatrics. 89, 7 p., 104063.

Determination of anodal tDCS duration threshold for reversal of corticospinal excitability: An investigation for induction of counter-regulatory mechanisms

Hassanzahraee, M., Nitsche, M. A., Zoghi, M. & Jaberzadeh, S., May 2020, In: Brain Stimulation. 13, 3, p. 832-839 8 p.

What are the Acute Effects of Aerobic Exercise on Fractionated Response Time: A Systematic Review and Meta-analysis

Alibazi, R. J., Kidgell, D., Zoghi, M. & Jaberzadeh, S., May 2020, In: Journal of Science in Sport and Exercise. 2, 2, p. 97-112 16 p.

The effect of transcranial direct current stimulation on balance in healthy young and older adults: A systematic review of the literature

Baharlouei, H., Saba, M. A., Shaterzadeh Yazdi, M. J. & Jaberzadeh, S., Apr 2020, In: Neurophysiologie Clinique. 50, 2, p. 119-131 13 p.

A Checklist to Reduce Response Variability in Studies Using Transcranial Magnetic Stimulation for Assessment of Corticospinal Excitability: A Systematic Review of the Literature

Pellegrini, M., Zoghi, M. & Jaberzadeh, S., 1 Mar 2020, In: Brain Connectivity. 10, 2, p. 53-71 19 p.

The comparative effects of unilateral and bilateral transcranial direct current stimulation on motor learning and motor performance: A systematic review of literature and meta-analysis

Halakoo, S., Ehsani, F., Hosnian, M., Zoghi, M. & Jaberzadeh, S., 1 Feb 2020, In: Journal of Clinical Neuroscience. 72, p. 8-14 7 p.

Relationship of hand strength with paretic upper extremity function and activities of daily living performance in patients with subacute stroke

Dehno, N. S., Sarvestani, F. K., Shariat, A. & Jaberzadeh, S., Jan 2020, In: Physiotherapy Practice and Research. 41, 1, p. 69-77 9 p.

Longer Transcranial Magnetic Stimulation Intertrial Interval Increases Size, Reduces Variability, and Improves the Reliability of Motor Evoked Potentials

Hassanzahraee, M., Zoghi, M. & Jaberzadeh, S., Dec 2019, In: Brain Connectivity. 9, 10, p. 770-776 7 p.

Modulation of intracortical inhibition and excitation in agonist and antagonist muscles following acute strength training

Mason, J., Howatson, G., Frazer, A. K., Pearce, A. J., Jaberzadeh, S., Avela, J. & Kidgell, D. J., 1 Oct 2019, In: European Journal of Applied Physiology. 119, 10, p. 2185-2199 15 p.

Concurrent postural training and M1 anodal transcranial direct current stimulation improve postural impairment in patients with chronic low back pain

Jafarzadeh, A., Ehsani, F., Yosephi, M. H., Zoghi, M. & Jaberzadeh, S., Oct 2019, In: Journal of Clinical Neuroscience. 68, p. 224-234 11 p.

Determining the Corticospinal Responses to Single Bouts of Skill and Strength Training

Mason, J., Frazer, A. K., Jaberzadeh, S., Ahtiainen, J. P., Avela, J., Rantalainen, T., Leung, M. & Kidgell, D. J., 1 Sept 2019, In: Journal of Strength and Conditioning Research. 33, 9, p. 2299-2307 9 p.

Significant Reduction in the Size of Motor-Evoked Potentials after Transient Paraesthesia during Transcranial Magnetic Stimulation Measurements in a Young Healthy Male Adult

Hassanzahraee, M., Zoghi, M. & Jaberzadeh, S., 1 Sept 2019, In: Journal of ECT. 35, 3, 1 p.

Interaction of task-related learning and transcranial direct current stimulation of the prefrontal cortex in modulating executive functions.

Fehring, D. J., Illipparampil, R., Acevedo, N., Jaberzadeh, S., Fitzgerald, P. B. & Mansouri, F. A., 1 Aug 2019, In: Neuropsychologia. 131, p. 148-159 12 p.

Does cerebellar non-invasive brain stimulation affect corticospinal excitability in healthy individuals? A systematic review of literature and meta-analysis

Behrangrad, S., Zoghi, M., Kidgell, D. & Jaberzadeh, S., 27 Jul 2019, In: Neuroscience Letters. 706, p. 128-139 12 p.

Determining the early corticospinal-motoneuronal responses to strength training: A systematic review and meta-analysis

Mason, J., Frazer, A. K., Pearce, A. J., Goodwill, A. M., Howatson, G., Jaberzadeh, S. & Kidgell, D. J., Jul 2019, In: Reviews in the Neurosciences. 30, 5, p. 463-476 14 p.

Effect of one session of tDCS on the severity of pain in women with chronic pelvic pain

Divandari, N., Manshadi, F. D., Shokouhi, N., Vakili, M. & Jaberzadeh, S., Jul 2019, In: Journal of Bodywork and Movement Therapies. 23, 3, p. 678-682 5 p.

Case report of a syncope episode in a healthy male adult participant during single-pulse transcranial magnetic stimulation

Pellegrini, M., Zoghi, M. & Jaberzadeh, S., 1 Jun 2019, In: Journal of ECT. 35, 2, p. E11-E12 2 p.

The effects of trans-cranial direct current stimulation intervention on fear: A systematic review of literature

Yosephi, M. H., Ehsani, F., Daghighi, M., Zoghi, M. & Jaberzadeh, S., Apr 2019, In: Journal of Clinical Neuroscience. 62, p. 7-13 7 p.

Response to "A comment on postural stability improvement in older adults with high fall risk after anodal tDCS on primary motor cortex versus cerebellar stimulation"

Jaberzadeh, S., Yosephi, M. H., Ehsani, F. & Zoghi, M., 1 Mar 2019, In: Brain Stimulation. 12, 2, p. 369-370 2 p.

Methodological considerations for selection of transcranial direct current stimulation approach, protocols and devices

Jaberzadeh, S., Martin, D., Knotkova, H. & Woods, A. J., 24 Jan 2019, *Practical Guide to Transcranial Direct Current Stimulation: Principles, Procedures and Applications*. Knotkova, H., Nitsche, M. A., Bikson, M. & Woods, A. J. (eds.). Cham, Switzerland: Springer, p. 199-223 25 p.

Differential effects of unihemispheric concurrent dual-site and conventional tDCS on motor learning: A randomized, sham-controlled study

Talimkhani, A., Abdollahi, I., Mohseni-Bandpei, M. A., Ehsani, F., Khalili, S. & Jaberzadeh, S., 1 Jan 2019, In: Basic and Clinical Neuroscience. 10, 1, p. 59-71 13 p.

Kinematics of the spine during sit-to-stand movement using motion analysis systems: A systematic review of literature

Pourahmadi, M. R., Takamjani, I. E., Jaberzadeh, S., Sarrafzadeh, J., Sanjari, M. A., Bagheri, R. & Taghipour, M., 1 Jan 2019, In: Journal of Sport Rehabilitation. 28, 1, p. 77-93 17 p.

Measuring muscle tone with isokinetic dynamometer technique in stroke patients

Dehno, N. S., Sarvestani, F. K., Shariat, A. & Jaberzadeh, S., Jan 2019, In: Biomedical Human Kinetics. 11, 1, p. 144-150 7 p.

A Closer Look at Motor-Evoked Potential

Jaberzadeh, S., 2019, New York: Nova Science Publishers. 243 p.

Factors Affecting the Reliability of MEP Amplitude

Jaberzadeh, S. & Zoghi, M., 2019, *A Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 53-75 23 p.

Measuring GABAA Function in the Primary Motor Cortex

Zoghi, M. & Jaberzadeh, S., 2019, *Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 137-169 33 p.

Methods for Determination of Motor Threshold

Dissanayaka, T., Zoghi, M., Farrell, M., Egan, G. & Jaberzadeh, S., 2019, *Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 15-31 17 p.

Safety of TMS as an Assessment Tool

Hassanzahraee, M., Zoghi, M. & Jaberzadeh, S., 2019, *A Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 217-232 16 p.

TMS Protocols for Assessment of GABAB Function Integrity

Jaberzadeh, S. & Zoghi, M., 2019, *A Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 171-195 25 p.

TMS Protocols for Assessment of Intracortical Facilitation

Jaberzadeh, S. & Zoghi, M., 2019, *A Closer Look at Motor-Evoked Potential*. Jaberzadeh, S. (ed.). New York, New York: Nova Science Publishers, p. 197-215 19 p.

How different priming stimulations affect the corticospinal excitability induced by noninvasive brain stimulation techniques: A systematic review and meta-analysis

Hassanzahraee, M., Zoghi, M. & Jaberzadeh, S., 1 Dec 2018, In: Reviews in the Neurosciences. 29, 8, p. 883-899 17 p.

The effect of transcranial magnetic stimulation test intensity on the amplitude, variability and reliability of motor evoked potentials

Pellegrini, M., Zoghi, M. & Jaberzadeh, S., 1 Dec 2018, In: Brain Research. 1700, p. 190-198 9 p.

Multi-session anodal tDCS enhances the effects of postural training on balance and postural stability in older adults with high fall risk: Primary motor cortex versus cerebellar stimulation

Yosephi, M. H., Ehsani, F., Zoghi, M. & Jaberzadeh, S., 1 Nov 2018, In: Brain Stimulation. 11, 6, p. 1239-1250 12 p.

Comparison of Rossini–Rothwell and adaptive threshold-hunting methods on the stability of TMS induced motor evoked potentials amplitudes

Dissanayaka, T., Zoghi, M., Farrell, M., Egan, G. & Jaberzadeh, S., Nov 2018, In: Journal of Neuroscience Research. 96, 11, p. 1758-1765 8 p.

The effect of unihemispheric concurrent dual-site transcranial direct current stimulation of primary motor and dorsolateral prefrontal cortices on motor function in patients with sub-acute stroke

Achacheluee, S. T., Rahnama, L., Karimi, N., Abdollahi, I., Arslan, S. A. & Jaberzadeh, S., 31 Oct 2018, In: Frontiers in Human Neuroscience. 12, 10 p., 441.

Cluster analysis and subgrouping to investigate inter-individual variability to non-invasive brain stimulation: A systematic review

Pellegrini, M., Zoghi, M. & Jaberzadeh, S., Aug 2018, In: Reviews in the Neurosciences. 29, 6, 23 p.

The effects of unihemispheric concurrent dual-site transcranial direct current stimulation on motor sequence learning in healthy individuals: A randomized, clinical trial

Talimkhani, A., Abdollahi, I., Zoghi, M., Ghane, E. T. & Jaberzadeh, S., 1 Jul 2018, In: Iranian Red Crescent Medical Journal. 20, 7, 7 p., e64147.

Test-retest reliability of sit-to-stand and stand-to-sit analysis in people with and without chronic non-specific low back pain

Pourahmadi, M. R., Ebrahimi Takamjani, I., Jaberzadeh, S., Sarrafzadeh, J., Sanjari, M. A., Bagheri, R. & Jannati, E., 1 Jun 2018, In: Musculoskeletal Science and Practice. 35, p. 95-104 10 p.

Crossover design in transcranial direct current stimulation studies on motor learning: Potential pitfalls and difficulties in interpretation of findings

Biabani, M., Farrell, M., Zoghi, M., Egan, G. & Jaberzadeh, S., Jun 2018, In: Reviews in the Neurosciences. 29, 4, p. 463-473 11 p.

The minimal number of TMS trials required for the reliable assessment of corticospinal excitability, short interval intracortical inhibition, and intracortical facilitation

Biabani, M., Farrell, M., Zoghi, M., Egan, G. & Jaberzadeh, S., 1 May 2018, In: Neuroscience Letters. 674, p. 94-100 7 p.

Biological and anatomical factors influencing interindividual variability to noninvasive brain stimulation of the primary motor cortex: A systematic review and meta-analysis

Pellegrini, M., Zoghi, M. & Jaberzadeh, S., 23 Feb 2018, In: Reviews in the Neurosciences. 29, 2, p. 199-222 24 p.

Sham transcranial electrical stimulation and its effects on corticospinal excitability: A systematic review and meta-analysis

Dissanayaka, T. D., Zoghi, M., Farrell, M., Egan, G. F. & Jaberzadeh, S., 23 Feb 2018, In: Reviews in the Neurosciences. 29, 2, p. 223-232 10 p.

The Effect of 2 Different Exercise Programs on Pain Intensity and Muscle Dimensions in Patients With Chronic Low Back Pain: A Randomized Controlled Trial

Nabavi, N., Mohseni Bandpei, M. A., Mosallanezhad, Z., Rahgozar, M. & Jaberzadeh, S., Feb 2018, In: Journal of Manipulative and Physiological Therapeutics. 41, 2, p. 102-110 9 p.

The Effects of Forward Head Posture on Neck Extensor Muscle Thickness: An Ultrasonographic Study

Goodarzi, F., Rahnama, L., Karimi, N., Baghi, R. & Jaberzadeh, S., Jan 2018, In: Journal of Manipulative and Physiological Therapeutics. 41, 1, p. 34-41 8 p.

Test–retest reliability of subjective supra-threshold scaling of multiple pressure-pain sensations among healthy individuals: a study using hydraulic pressure algometry

Dissanayaka, T., Farrell, M., Zoghi, M., Egan, G. & Jaberzadeh, S., 2018, In: Somatosensory and Motor Research. 35, 3-4, p. 153-161 9 p.

The effects of transcranial direct current stimulation on short-interval intracortical inhibition and intracortical facilitation: A systematic review and meta-analysis

Biabani, M., Aminitehrani, M., Zoghi, M., Farrell, M., Egan, G. & Jaberzadeh, S., 20 Dec 2017, In: Reviews in the Neurosciences. 29, 1, p. 99-114 16 p.

Interactive effects of music and prefrontal cortex stimulation in modulating response inhibition

Mansouri, F. A., Acevedo, N., Illipparampil, R., Fehring, D. J., Fitzgerald, P. B. & Jaberzadeh, S., 1 Dec 2017, In: Scientific Reports. 7, 1, 13 p., 18096.

The effects of cerebellar transcranial direct current stimulation on static and dynamic postural stability in older individuals: a randomized double-blind sham-controlled study

Ehsani, F., Samaei, A., Zoghi, M., Hedayati, R. & Jaberzadeh, S., 1 Dec 2017, In: European Journal of Neuroscience. 46, 12, p. 2875-2884 10 p.

Plasticity induced by non-invasive transcranial brain stimulation: A position paper

Huang, Y. Z., Lu, M. K., Antal, A., Classen, J., Nitsche, M., Ziemann, U., Ridding, M., Hamada, M., Ugawa, Y., Jaberzadeh, S., Suppa, A., Paulus, W. & Rothwell, J., 1 Nov 2017, In: Clinical Neurophysiology. 128, 11, p. 2318-2329 12 p.

Immediate effect of common peroneal nerve electrical stimulation on quadriceps muscle arthrogenic inhibition in patients with knee osteoarthritis

Rafsanjani, H., Khademi-Kalantari, K., Rezasoltani, A., Naimi, S. S., Ghasemi, M. & Jaberzadeh, S., Oct 2017, In: Journal of Bodywork and Movement Therapies. 21, 4, p. 879-883 5 p.

Differential Activation of the Dorsal Neck Muscles During a Light Arm-Elevation Task in Patients With Chronic Nonspecific Neck Pain and Asymptomatic Controls: An Ultrasonographic Study

Baghi, R., Rahnama, L., Karimi, N., Goodarzi, F., Rezasoltani, A. & Jaberzadeh, S., 1 Jul 2017, In: PM&R. 9, 7, p. 699-706 8 p.

Lower limb muscular activity during walking at different speeds: Over-ground versus treadmill walking: A voluntary response evaluation

Khademi-Kalantari, K., Rahimi, F., Hosseini, S. M., Baghban, A. A. & Jaberzadeh, S., 1 Jul 2017, In: Journal of Bodywork and Movement Therapies. 21, 3, p. 605-611 7 p.

The effects of inter-trial interval on implicit learning of sequential visual isometric pinch task

Hashemirad, F., Fitzgerald, P. B., Zoghi, M., Hashemirad, M. & Jaberzadeh, S., Jul 2017, In: Journal of Bodywork and Movement Therapies. 21, 3, p. 626-632 7 p.

The effect of core stabilization exercise on the kinematics and joint coordination of the lumbar spine and hip during sit-to-stand and stand-to-sit in patients with chronic nonspecific low back pain (COSCIUS): Study protocol for a randomized double-blind controlled trial

Pourahmadi, M. R., Takamjani, I. E., Jaberzadeh, S., Sarrafzadeh, J., Sanjari, M. A., Mohsenifar, H., Bagheri, R. & Taghipour, M., Jun 2017, In: JMIR Research Protocols. 6, 6, 10 p., e109.

Online and offline effects of cerebellar transcranial direct current stimulation on motor learning in healthy older adults: a randomized double-blind sham-controlled study

Samaei, A., Ehsani, F., Zoghi, M., Hafez Yosephi, M. & Jaberzadeh, S., 1 May 2017, In: European Journal of Neuroscience. 45, 9, p. 1177-1185 9 p.

Single-session anodal tDCS with small-size stimulating electrodes over frontoparietal superficial sites does not affect motor sequence learning

Hashemirad, F., Fitzgerald, P. B., Zoghi, M. & Jaberzadeh, S., 3 Apr 2017, In: Frontiers in Human Neuroscience. 11, 153.

Does transcranial electrical stimulation enhance corticospinal excitability of the motor cortex in healthy individuals? A systematic review and meta-analysis

Dissanayaka, T., Zoghi, M., Farrell, M., Egan, G. F. & Jaberzadeh, S., 2017, In: European Journal of Neuroscience. 46, p. 1968-1990 23 p.

Reliability of motor evoked potentials induced by transcranial magnetic stimulation: The effects of initial motor evoked potentials removal

Hashemirad, F., Zoghi, M., Fitzgerald, P. B. & Jaberzadeh, S., 2017, In: Basic and Clinical Neuroscience. 8, 1, p. 43-50 8 p.

The effect of surface instability on the differential activation of muscle activity in low back pain patients as compared to healthy individuals: A systematic review of the literature and meta-analysis

Ehsani, F., Arab, A. M. & Jaberzadeh, S., 2017, In: Journal of Back and Musculoskeletal Rehabilitation. 30, 4, p. 649-662 14 p.

Cathodal transcranial direct-current stimulation for treatment of drug-resistant temporal lobe epilepsy: A pilot randomized controlled trial

Zoghi, M., O'Brien, T. J., Kwan, K. L. P., Cook, M. J., Galea, M. & Jaberzadeh, S., Dec 2016, In: Epilepsia Open. 1, 3-4, p. 130-135 6 p.

Ultrasound Measurement of Abdominal Muscle Thickness With and Without Transducer Fixation During Standing Postural Tasks in Participants With and Without Chronic Low Back Pain: Intrasection and Intersession Reliability

Ehsani, F., Arab, A. M., Salavati, M., Jaberzadeh, S. & Hajihasani, A., Dec 2016, In: PM&R. 8, 12, p. 1159-1167 9 p.

Differential effects of primary motor cortex and cerebellar transcranial direct current stimulation on motor learning in healthy individuals: A randomized double-blind sham-controlled study

Ehsani, F., Bakhtiary, A. H., Jaberzadeh, S., Talimkhani, A. & Hajihasani, A., Nov 2016, In: Neuroscience Research. 112, p. 10-19 10 p.

Measurement of superficial and deep abdominal muscle thickness: an ultrasonography study

Tahan, N., Khademi-Kalantari, K., Mohseni-Bandpei, M. A., Mikaili, S., Baghban, A. A. & Jaberzadeh, S., 23 Aug 2016, In: Journal of Physiological Anthropology. 35, 1, 5 p.

Direct current stimulation of prefrontal cortex modulates error-induced behavioral adjustments

Mansouri, F. A., Fehring, D. J., Feizpour, A., Gaillard, A., Rosa, M. GP., Rajan, R. & Jaberzadeh, S., 1 Jul 2016, In: European Journal of Neuroscience. 44, 2, p. 1856-1869 14 p.

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

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 1 May 2016, In: European Journal of Neuroscience. 43, 9, p. 1161-1172 12 p.

Ultrasonographic analysis of dorsal neck muscles thickness changes induced by isometric contraction of shoulder muscles: A comparison between patients with chronic neck pain and healthy controls

Karimi, N., Rezasoltani, A., Rahnama, L., Noori-Kochi, F. & Jaberzadeh, S., Apr 2016, In: Manual Therapy. 22, p. 174-178 5 p.

The effect of anodal transcranial direct current stimulation on motor sequence learning in healthy individuals: A systematic review and meta-analysis

Hashemirad, F., Zoghi, M., Fitzgerald, P. B. & Jaberzadeh, S., Feb 2016, In: Brain and Cognition. 102, p. 1-12 12 p.

Development and Validation of a Miniature Programmable tDCS Device

Kouzani, A. Z., Jaberzadeh, S., Zoghi, M., Usma, C. & Parastarfeizabadi, M., 1 Jan 2016, In: IEEE Transactions on Neural Systems and Rehabilitation Engineering. 24, 1, p. 192-198 7 p.

Differential activation of scapular muscles, during arm elevation, with and without trigger points

Bohlooli, N., Ahmadi, A., Maroufi, N., Sarrafzadeh, J. & Jaberzadeh, S., 1 Jan 2016, In: Journal of Bodywork and Movement Therapies. 20, 1, p. 26-34 9 p.

The effects of cathodal transcranial direct current stimulation on epileptic patients

Zoghi, M., Cook, M. J. & Jaberzadeh, S., 1 Jan 2016, *Transcranial Direct Current Stimulation (tDCS): Emerging Uses, Safety and Neurobiological Effects*. Rogers, L. (ed.). New York NY USA: Nova Science Publishers, p. 67-96 30 p. (Neuroscience Research Progress).

tDCS dosimetry and its application: Essential steps towards good clinical practice

Jaberzadeh, S. & Zoghi, M., 1 Jan 2016, *Transcranial Direct Current Stimulation (tDCS): Emerging Uses, Safety and Neurobiological Effects*. Rogers, L. (ed.). New York NY USA: Nova Science Publishers, p. 27-52 26 p. (Neuroscience Research Progress).

Sex dependency of inhibitory control functions

Mansouri, F. A., Fehring, D. J., Gaillard, A., Jaberzadeh, S. & Parkington, H., 2016, In: *Biology of Sex Differences*. 7, 13 p., 11.

The Effect of altering knee position and squat depth on VMO: VL EMG ratio during squat exercises

Jaberzadeh, S., Yeo, D. & Zoghi, M., 2016, In: *Physiotherapy Research International*. 21, 3, p. 164-173 10 p.

The Effects of Cathodal Transcranial Direct Current Stimulation in a Patient with Drug-Resistant Temporal Lobe Epilepsy (Case Study)

Zoghi, M., O'Brien, T. J., Kwan, P., Cook, M. J., Galea, M. P. & Jaberzadeh, S., 2016, In: *Brain Stimulation*. 9, 5, p. 790 - 792 3 p.

Ultrasound measurement of deep and superficial abdominal muscles thickness during standing postural tasks in participants with and without chronic low back pain

Ehsani, F., Arab, A. M., Jaberzadeh, S. & Salavati, M., 2016, In: *Manual Therapy*. 23, p. 98-105 8 p.

A meta-analysis of site-specific effects of cathodal transcranial direct current stimulation on sensory perception and pain

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2015, In: *PLoS ONE*. 10, 5, 19 p., e0123873.

Anodal transcranial pulsed current stimulation: the effects of pulse duration on corticospinal excitability

Jaberzadeh, S., Bastani, A., Zoghi, M., Morgan, P. E. & Fitzgerald, P. B., 2015, In: *PLoS ONE*. 10, 7 (Art. No: e0131779), p. 1 - 14 14 p.

Arm Flexion Influence on Muscle Reaction Time in Females with Active Myofascial Trigger Point

Yassin, M., Talebian, S., Takamjani, I. E., Maroufi, N., Ahmadi, A., Sarrafzadeh, J., Jaberzadeh, S. & Emrani, A., 2015, In: *British Journal of Applied Science & Technology*. 11, 1, p. 1-9 9 p., BJAST.17447.

Cathodal-tDCS induced reduction in excitability of superficial pain neuromatrix cortices is associated with sensory and pain threshold increases

Jaberzadeh, S., Vaseghi, B. & Zoghi, M., 2015, In: *Brain Stimulation*. 8, 2, p. 337-338 2 p.

Differential effects of cathodal transcranial direct current stimulation of prefrontal, motor and somatosensory cortices on cortical excitability and pain perception - a double-blind randomised sham-controlled study

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2015, In: *European Journal of Neuroscience*. 42, 7, p. 2426 - 2437 12 p.

How does anodal transcranial direct current stimulation of the pain neuromatrix affect brain excitability and pain perception? A randomised, double-blind, sham-control study

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2015, In: *PLoS ONE*. 10, 3, 21 p., e0118340.

Inter-pulse interval affects the size of single-pulse TMS-induced motor evoked potentials: A reliability study

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2015, In: *Iranian Journal of Neuroscience*. 6, 1, p. 44 - 51 8 p.

Motor learning and movement performance: older versus younger adults

Ehsani, F., Abdollahi, I., Bandpei, M. A. M., Zahiri, N. & Jaberzadeh, S., 2015, In: *Basic and Clinical Neuroscience*. 6, 4, p. 231 - 238 8 p.

The effects of anodal-tDCS on corticospinal excitability enhancement and its after-effects: Conventional vs. unihemispheric concurrent dual-site stimulation

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2015, In: *Frontiers in Human Neuroscience*. 9, (Art. No: 533), p. 1 - 13 13 p.

The effects of hormonal changes during menstrual cycle on brain excitability and hand dexterity (A pilot study)

Zoghi, M., Vaseghi, B., Bastani Jahromi, A., Jaberzadeh, S. & Galea, M. P., 2015, In: *Brain Stimulation*. 8, 2, p. 357-358 2 p.

The effects of sex hormonal fluctuations during menstrual cycle on cortical excitability and manual dexterity (a pilot study)

Zoghi, M., Vaseghi, B., Bastani, A., Jaberzadeh, S. & Galea, M. P., 2015, In: *PLoS ONE*. 10, 14 p., e0136081.

The effects of within session repeated cathodal transcranial direct current stimulation on epileptic patients (a pilot study)

Zoghi, M., O'Brien, T. J., Kwan, P., Galea, M. & Jaberzadeh, S., 2015, In: *Brain Stimulation*. 8, 2, p. 343 1 p.

The relationship between isokinetic muscle strength and spasticity in the lower limbs of stroke patients

Abdollah, I., Taghizadeh, A., Shakeri, H., Eivazi, M. & Jaberzadeh, S., 2015, In: *Journal of Bodywork and Movement Therapies*. 19, 2, p. 284 - 290 7 p.

Unihemispheric dual-channel a-tDCS: a novel technique to optimise enhancement of primary motor cortex excitability

Jaberzadeh, S., Vaseghi, B. & Zoghi, M., 2015, In: *Brain Stimulation*. 8, 2, p. 338-338 1 p.

Anodal transcranial pulsed current stimulation: a novel technique to enhance corticospinal excitability

Jaberzadeh, S., Bastani, A. & Zoghi, M., 2014, In: *Clinical Neurophysiology*. 125, 2, p. 344 - 351 8 p.

Does anodal transcranial direct current stimulation modulate sensory perception and pain? A meta-analysis study

Vaseghi, B., Zoghi, M. & Jaberzadeh, S., 2014, In: *Clinical Neurophysiology*. 125, 9, p. 1847 - 1858 12 p.

The pain of tendinopathy: physiological or pathophysiological?

Rio, E., Moseley, G. L., Purdam, C., Samiric, T., Kidgell, D., Pearce, A., Jaberzadeh, S. & Cook, J. L., 2014, In: *Sports Medicine*. 44, 1, p. 9 - 23 15 p.

Within-session repeated a-tDCS: the effects of repetition rate and inter-stimulus interval on corticospinal excitability and motor performance

Bastani, A. & Jaberzadeh, S., 2014, In: *Clinical Neurophysiology*. 125, 9, p. 1809 - 1818 10 p.

Differential Modulation of Corticospinal Excitability by Different Current Densities of Anodal Transcranial Direct Current Stimulation

Bastani, A. & Jaberzadeh, S., 22 Aug 2013, In: *PLoS ONE*. 8, 8, 8 p., e72254.

Corticospinal facilitation of erector spinae and rectus abdominis muscles during graded voluntary contractions is task specific: A pilot study on healthy individuals

Jaberzadeh, S., Zoghi, M., Morgan, P. E. & Storr, M., 2013, In: *Basic and Clinical Neuroscience*. 4, 3, p. 27 - 34 8 p.

Design and analysis of an antenna for batteryless transcranial direct current stimulation devices

Hosain, K., Kouzani, A. Z. & Jaberzadeh, S., 2013, *2013 IEEE International Conference on Ultra-Wideband (ICUWB)*. Liu, R. P. (ed.). USA: IEEE, Institute of Electrical and Electronics Engineers, Vol. 2013. p. 27 - 30 4 p.

Different current intensities of anodal transcranial direct current stimulation do not differentially modulate motor cortex plasticity

Kidgell, D., Daly, R. M., Young, K., Lum, J. A., Tooley, G. A., Jaberzadeh, S., Zoghi, M. & Pearce, A., 2013, In: *Neural Plasticity*. 2013, 9 p., 603502.

Mechanosensitivity of the median nerve in patients with chronic carpal tunnel syndrome

Jaberzadeh, S. & Zoghi, M., 2013, In: Journal of Bodywork and Movement Therapies. 17, 2, p. 157 - 164 8 p.

Non-invasive brain stimulation for enhancement of corticospinal excitability and motor performance

Jaberzadeh, S. & Zoghi, M., 2013, In: Basic and Clinical Neuroscience. 4, 3, p. 75 - 83 9 p.

The impact of load and base of support on electromyographic onset in the shoulder muscle during push-up exercises

Vaseghi, B., Jaberzadeh, S., Kalantari, K. K. & Naimi, S. S., 2013, In: Journal of Bodywork and Movement Therapies. 17, 2, p. 192 - 199 8 p.

Validity and reliability of skin markers for measurement of intersegmental mobility at L2-3 and L3-4 during lateral bending in healthy individuals: a fluoroscopy study

Hashemirad, F., Hatef, B., Jaberzadeh, S. & Ale Agha, N., 2013, In: Journal of Bodywork and Movement Therapies. 17, 1, p. 46 - 52 7 p.

a-tDCS differential modulation of corticospinal excitability: The effects of electrode size

Bastani, A. & Jaberzadeh, S., 2013, In: Brain Stimulation. 6, 6, p. 932 - 937 6 p.

Investigating cortical changes associated with patellar tendinopathy

Scase, E., Cook, J., Kidgell, D., Jaberzadeh, S. & Pearce, A., Dec 2012, In: Journal of Science and Medicine in Sport. 15, S1, p. S142-S143 2 p.

Anodal transcranial pulsed current stimulation: A novel technique to enhance corticomotor excitability in healthy individuals

Jaberzadeh, S., Kidgell, D., Zoghi, M. & Bastani, A., 19 Jul 2012, p. 172-172. 1 p.

A higher number of TMS-elicited MEP from a combined hotspot improves intra- and inter-session reliability of the upper limb muscles in healthy individuals

Bastani Jahromi, A. & Jaberzadeh, S., 2012, In: PLoS ONE. 7, 10, 8 p., e47582.

Does anodal transcranial direct current stimulation enhance excitability of the motor cortex and motor function in healthy individuals and subjects with stroke: A systematic review and meta-analysis

Bastani, A. & Jaberzadeh, S., 2012, In: Clinical Neurophysiology. 123, 4, p. 644 - 657 14 p.

Does the longer application of anodal-transcranial direct current stimulation increase corticomotor excitability further? A pilot study

Jaberzadeh, S., Bastani Jahromi, A. & Kidgell, D., 2012, In: Basic and Clinical Neuroscience. 3, 4, p. 28-35 8 p.

Does the longer application of anodal-transcranial direct current stimulation increase corticomotor excitability further? A pilot study

Jaberzadeh, S., Bastani Jahromi, A. & Kidgell, D., 2012, In: Basic and Clinical Neuroscience. 3, 4, p. 28-35 8 p.

The effects of backpack load and placement on postural deviation in healthy students: a systematic review

Abdullah, A. M., McDonald, R. & Jaberzadeh, S., 2012, In: International Journal of Engineering Research and Applications. 2, 6, p. 466 - 481 16 p.

Ultrasound measurement of deep abdominal muscle activity in sitting positions with different stability levels in subjects with and without chronic low back pain

Rasouli, O., Arab, A. M., Amiri, M. & Jaberzadeh, S., 2011, In: Manual Therapy. 16, 4, p. 388 - 393 6 p.

Predictors of attitudes to e-learning of Australian health care students

Brown, T., Williams, B., Jaberzadeh, S., Roller, L., Palermo, C., McKenna, L., Wright, C. A., Baird, M., Schneider-Kolsky, M., Hewitt, L., Holt, T. A., Zoghi, M. & Sim, J., Jan 2010, In: Journal of Applied Research in Higher Education. 2, 1, p. 60-76 17 p.

Learning style preferences of Australian health science students

Zoghi, M., Brown, G. T., Williams, B. A., Roller, L., Jaberzadeh, S., Palermo, C. E., McKenna, L. G., Wright, C. A., Baird, M. A., Schneider-Kolsky, M. E., Hewitt, L. D., Sim, J. & Holt, T. A., 2010, In: Journal of Allied Health. 39, 2, p. 95-103 9 p.

Are learning style preferences of health science students predictive of their attitudes towards e-learning?

Brown, G. T., Zoghi, M., Williams, B. A., Jaberzadeh, S., Roller, L., Palermo, C. E., McKenna, L. G., Wright, C. A., Baird, M. A., Schneider-Kolsky, M. E., Hewitt, L. D., Sim, J. & Holt, T. A., 2009, In: Australasian Journal of Educational Technology. 25, 4, p. 524 - 543 20 p.

Motor training decreases finger tremor and movement response time in a visuomotor tracking task

Dartnall, T. J., Jaberzadeh, S., Miles, T. S. & Nordstrom, M. A., 2009, In: Journal of Motor Behavior. 41, 1, p. 55 - 64 10 p.

Muscular load to the therapist's shoulder during three alternative techniques for trigger point therapy

Smith, E. K., Magarey, M. E., Argue, S. & Jaberzadeh, S., 2009, In: Journal of Bodywork and Movement Therapies. 13, 2, p. 171 - 181 11 p.

The learning styles of undergraduate occupational therapy and physiotherapy students from one Australian university using the KOLB learning style inventory (LSI)

Brown, G. T., Vryens, V., Williams, B. A., Jaberzadeh, S., Roller, L., Palermo, C. E., McKenna, L. G., Hewitt, L. D. & Sim, J., 2009, In: Irish Journal of Occupational Therapy. 37, 2, p. 22 - 28 7 p.

Focal transcranial magnetic stimulation of motor cortex evokes bilateral and symmetrical silent periods in human masseter muscles

Jaberzadeh, S., Sakuma, S., Zoghi, M., Miles, T. S. & Nordstrom, M. A., 2008, In: Clinical Neurophysiology. 119, 3, p. 693 - 703 11 p.

Relative contributions of the infraspinatus and deltoid during external rotation in patients with symptomatic subacromial impingement

Clisby, E., Bitter, N., Sandow, M., Jones, M., Magarey, M. E. & Jaberzadeh, S., 2008, In: Journal of Shoulder and Elbow Surgery. 17, Suppl 1, p. 87S - 92S 6 p.

Intracortical inhibition in the human trigeminal motor system

Jaberzadeh, S., Pearce, S. L., Miles, T. S., Turker, K. & Nordstrom, M. A., 2007, In: Clinical Neurophysiology. 118, 8, p. 1785 - 1793 9 p.

Relative contributions of infraspinatus and deltoid during external rotation in healthy shoulders

Bitter, N., Clisby, E. F., Jones, M. A., Magarey, M. E., Jaberzadeh, S. & Sandow, M. J., 2007, In: Journal of Shoulder and Elbow Surgery. 16, 5, p. 563 - 568 6 p.

Standardization of H-reflex analyses

Brinkworth, R., Tuncer, M., Tucker, K. J., Jaberzadeh, S. & Turker, K., 2007, In: Journal of Neuroscience Methods. 162, 1-2, p. 1 - 7 7 p.

Flexor carpi radialis motoneuron pool in subjects with chronic carpal tunnel syndrome are more excitable than matched control subjects

Jaberzadeh, S. & Scutter, S., 2006, In: Manual Therapy. 11, p. 22 - 27 6 p.

Organisation of common inputs to motoneuron pools of human masticatory muscles

Jaberzadeh, S., Miles, T. S. & Nordstrom, M. A., 2006, In: Clinical Neurophysiology. 117, 9, p. 1931 - 1940 10 p.

Accuracy of an electromagnetic tracking device for measuring hip joint kinematics during gait: effects of metallic total hip replacement prosthesis, source-sensor distance and sensor orientation

Jaberzadeh, S., Scutter, S. & Zoghi, M., 2005, In: Australasian Physical and Engineering Sciences in Medicine. 28, 3, p. 184 - 189 6 p.

Facilitation of cortically evoked potentials with motor imagery during post-exercise depression of corticospinal excitability
Pitcher, J. B., Robertson, A., Clover, E. & Jaberzadeh, S., 2005, In: *Experimental Brain Research*. 160, p. 409 - 417 9 p.

Mechanosensitivity of the median nerve and mechanically produced motor responses during Upper Limb Neurodynamic Test 1

Jaberzadeh, S., Scutter, S. & Nazeran, H., 2005, In: *Physiotherapy*. 91, p. 94 - 100 7 p.

Compensation of limb weight on interfaced raw torque signals from a KIN-COM® dynamometer to an AMLAB® workstation

Jaberzadeh, S., Nazeran, H., Scutter, S. & Warden-Flood, A., Jun 2004, In: *Australasian Physical and Engineering Sciences in Medicine*. 27, 2, p. 69-73 5 p.

Between-days reliability of H-reflexes in human flexor carpi radialis

Jaberzadeh, S., Scutter, S., Warden-Flood, A. & Nazeran, H., 2004, In: *Archives of Physical Medicine and Rehabilitation*. 85, p. 1168 - 1173 6 p.

Compensation of limb weight on interfaced raw torque signals from a KIM-COMdynamometer to an AMLAB workstation

Jaberzadeh, S., Nazeran, H., Scutter, S. & Warden-Flood, A., 2004, In: *Australasian Physical and Engineering Sciences in Medicine*. 27, 2, p. 185 - 189 5 p.

An integrated AMLAB -based system for acquisition, processing and analysis of evoked EMG and mechanical responses of upper limb muscles

Jaberzadeh, S., Nazeran, H., Scutter, S. & Warden-Flood, A., 2003, In: *Australasian Physical and Engineering Sciences in Medicine*. 26, 2, p. 70 - 78 9 p.

Differential modulation of tremor and pulsatile control of human jaw and finger by experimental muscle pain

Jaberzadeh, S., Svenssom, P., Nordstrom, M. A. & Miles, T. S., 2003, In: *Experimental Brain Research*. 150, p. 520 - 524 5 p.

Pulsatile control of the human masticatory muscles

Jaberzadeh, S., Brodin, P., Flavel, S. C., O'Dwyer, N. J., Nordstrom, M. A. & Miles, T. S., 2003, In: *The Journal of Physiology*. 547, 2, p. 613 - 620 8 p.

An integrated computer-based system to study neuromuscular disorders of the upper limb

Nazeran, H. & Jaberzadeh, S., 2002, *Proceedings of the 2002 IEEE Engineering in Medicine and Biology 24th Annual Conference and the 2002 Fall Meeting of the Biomedical Engineering Society*. Vol. 2. p. 1730-1731 2 p.

Effects of high voltage electro-auriculotherapy on experimental pain threshold

Zoghi, M. & Jaberzadeh, S., 2002, In: *Physiotherapy*. 88, 11, p. 658 - 666 9 p.

Computer-based clinical instrumentation for processing and analysis of electroneuromyographic signals in the upper limb

Nazeran, H., Jaberzadeh, S. & Behbehani, K., 2001, *23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society*. Vol. 2. p. 1131-1134 4 p.

Computer-based clinical instrumentation for processing and analysis of mechanically evoked electromyographic signals in the upper limb

Nazeran, H., Jaberzadeh, S. & Bidhendi, E., 2001, *23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society*. Vol. 2. p. 1127-1130 4 p.

Mechanically evoked torque and electromyographic responses during passive elbow extension in upper limb tension test position

Jaberzadeh, S., Nazeran, H., Warden-Flood, A. & Scutter, S., 2001, *23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society*. IEEE, Institute of Electrical and Electronics Engineers, Vol. 2. p. 1123-1126 4 p.

Activities

Monash University Faculty of Medicine, Nursing and Health Sciences ECR Symposium 2021

Sri Ramarathinam (Organiser), Donna Buckingham (Organiser), Nicole Kellow (Organiser), Katrina Colafella (Organiser), Kimberley Crawford (Organiser), Sally Richmond (Organiser), Tammie Choi (Organiser), Luke Perraton (Organiser), Melissa Lipscombe (Organiser), Suzanne Kleve (Organiser), Zoe Davidson (Organiser), Margaret Murray (Organiser) & Shapour Jaberzadeh (Organiser)

5 Oct 2020 → 30 Oct 2021

SPAHC Research Festival 2020

Shapour Jaberzadeh (Organiser)

2020

Projects

Anodal vs. Cathodal 400 Hz tPCS Effects on corticospinal and corticocortical Excitability in Young Adults: A double-blind randomised control trial

Jaberzadeh, S. & Zoghi, M.

1/07/23 → 30/09/24

SuperLab and Stim Tracker + Accessories

Jaberzadeh, S.

Collier Charitable Fund

1/01/13 → 30/09/13

The neural basis of the cognitive effects of prefrontal cortex stimulation

Alizadeh Mansouri, F., Buckley, M. & Jaberzadeh, S.

30/04/19 → 31/12/22