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Education Information

Undergraduate, Istanbul University, Istanbul Medical Faculty, Turkey 1980 - 1986

Foreign Languages

English, C1 Advanced

French, C1 Advanced

Dissertations

Expertise In Medicine, Kısa süreli bellek sürecinde neokorteksin düşük frekanslı elektriksel aktivitesindeki değişiklikler, Istanbul University, Istanbul Medical Faculty, Temel Tıp Bilimleri Bölümü / Fizyoloji Anabilim Dalı, 1988

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Neurology, Surgery Medicine Sciences, Nervous System Surgery

Academic Titles / Tasks

Professor, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1999 - Continues

Associate Professor, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1992 - 1999

Assistant Professor, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1988 - 1992

Research Assistant, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1986 - 1988

Academic and Administrative Experience

İstanbul Üniversitesi, Istanbul Medical Faculty, Temel Tıp Bilimleri, 2005 - Continues

Advising Theses

KARAMÜRSEL S., Somut ve Soyut Kelimelerin Semantik İşlememesinin Elektrofizyolojik Karşılıkları, Postgraduate, E.Kocagöncü(Student), 2012

KARAMÜRSEL S., Merkezi Sinir Sistemi Cerrahisi Esnasında İntraoperatif Sinir Sistemi Görüntüleme Modalitelerinin Etkin Kullanımı, Expertise In Medicine, E.Tuna(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Acute effect of transcranial direct current stimulation on photoparoxysmal response.**
Yılmaz Erol T., İlgezdi Kaya İ., Ur Özçelik E., Aksu S., Şirin N. G., Bebek N., Kurt A., Karamürsel S., Baykan B.
Epilepsy research, vol.201, pp.107320, 2024 (SCI-Expanded)
- II. **Acute Effect of Single-Session Cerebellar Anodal Transcranial Direct Current Stimulation on Static and Dynamic Balance in Healthy Volunteers**
Tuna Erdoğan E., Kır C., Beycan E., Karakaya E., Altınçınar S., Bayramoğlu T., Eskikurt G., Karamürsel S.
Brain Sciences, vol.13, no.7, 2023 (SCI-Expanded)
- III. **Single Session Anodal Transcranial Direct Current Stimulation on Different Cortical Areas Effects on Pain Modulation in Healthy Subjects**
Erdogan E. T., Kucuk Z., Eskikurt G., Kurt A., Ermutlu N., Karamursel S.
JOURNAL OF PSYCHOPHYSIOLOGY, vol.37, no.2, pp.101-109, 2023 (SCI-Expanded)
- IV. **Effectiveness of Anodal tDCS Following with Anodal tDCS Rather than tDCS Alone for Increasing of Relative Power of Intrinsic Matched EEG Bands in Rat Brains**
Al-Tawarah N. M., Kaptan Z., Abu-Harirah H. A., Nofal M., Almajali B., Jarrar S., Bayraktaroğlu Z., Qaralleh H., Khleifat K. M., Ziyilan Z. Y., et al.
Brain Sciences, vol.13, no.1, 2023 (SCI-Expanded)
- V. **Effect of Transcranial Direct Current Stimulation on Pain and Physical Functions in Individuals with Lumbar Spinal Stenosis: A Double-Blind Randomized Sham-controlled Study**
Is E. E., Aksu S., Karamursel S., Ketenci A., Sindel D.
ACTA PHYSIOLOGICA, pp.63, 2023 (SCI-Expanded)
- VI. **Working memory improvement after transcranial direct current stimulation paired with working memory training in diabetic peripheral neuropathy**
Aksu S., Hasırcı Bayır B. R., Sayman C., Soyata A. Z., Boz G., Karamürsel S.
Applied Neuropsychology:Adult, 2023 (SCI-Expanded)
- VII. **Effects of Transcranial Direct Current Stimulation on CGRP and PACAP-38 Levels in Menstrual Migraine**
Bayır B. H., Aksu S., Gezegen H., Karaaslan Z., Yuceer H., Sirin T. C., Kucukali C., Kurt A., Karamursel S., Baykan B.
EUROPEAN JOURNAL OF NEUROLOGY, vol.29, pp.409, 2022 (SCI-Expanded)
- VIII. **Investigation of the effects of transcranial direct current stimulation and neurofeedback by continuous performance test**
Guleken Z., Eskikurt G., Karamursel S.
NEUROSCIENCE LETTERS, vol.716, 2020 (SCI-Expanded)
- IX. **Evaluation of Neurotoxicity of Multiple Anesthesia in Children Using Visual Evoked Potentials.**
Oba S., Isil C. T., Turk H. S., Karamursel S., Aksu S., Kaba M., Kilic L., Dokucu A. I.
Sisli Etfal Hastanesi tip bulteni, vol.53, no.3, pp.284-289, 2019 (SCI-Expanded)
- X. **Efficacy and mechanisms of transcranial electrical stimulation in headache disorders**
Sirin T. C., Aksu S., Kurt A., Karamursel S., Baykan B.
NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.36, no.2, pp.57-68, 2019 (SCI-Expanded)
- XI. **Effect of transcranial direct current stimulation on decision making and cognitive flexibility in gambling disorder.**
Soyata A. Z., Aksu S., Woods A. J., Iscen P., Sacar K. T., Karamursel S.
European archives of psychiatry and clinical neuroscience, vol.269, no.3, pp.275-284, 2019 (SCI-Expanded)
- XII. **Characterization of Hand Clenching in Human Sensorimotor Cortex Using High-, and Ultra-High**

Frequency Band Modulations of Electrocorticogram.

Jiang T., Liu S., Pellizzer G., Aydoseli A., Karamursel S., Sabanci P. A., Sencer A., Gurses C., Ince N. F.
Frontiers in neuroscience, vol.12, pp.110, 2018 (SCI-Expanded)

- XIII. **Queeg Spectral Analysis Characteristics of Macedonian and Turkish Adults with ADHD**
Simoska S. M., Alkac U. I., Ermutlu N., Jordanova N. P., Karamursel S.
ACTA PHYSIOLOGICA, vol.215, pp.26, 2015 (SCI-Expanded)
- XIV. **Structural and functional comparison of the persistent and resolved amblyopia**
Tugcu B., Araz-Ersan B., Erdogan E. T., Tarakcioglu H., Coskun C., Yigit U., Karamursel S.
DOCUMENTA OPHTHALMOLOGICA, vol.128, no.2, pp.101-109, 2014 (SCI-Expanded)
- XV. **The Morpho-functional Evaluation of Retina in Amblyopia**
Tugcu B., Araz-Ersan B., Kilic M., Erdogan E. T., Yigit U., Karamursel S.
CURRENT EYE RESEARCH, vol.38, no.7, pp.802-809, 2013 (SCI-Expanded)
- XVI. **Neurofeedback Intervention in Fibromyalgia Syndrome; a Randomized, Controlled, Rater Blind Clinical Trial**
Kayiran S., DURSUN E., DURSUN N., Ermutlu N., Karamursel S.
APPLIED PSYCHOPHYSIOLOGY AND BIOFEEDBACK, vol.35, no.4, pp.293-302, 2010 (SSCI)
- XVII. **Event-related potentials to visual, auditory, and bimodal (combined auditory-visual) stimuli**
Isoglu-Alkac U., KEDZIOR K., Keskindemirci G., ERMUTLU N., Karamursel S.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.117, no.2, pp.259-273, 2007 (SCI-Expanded)
- XVIII. **The effects of interstimulus interval on sensory gating and on preattentive auditory memory in the oddball paradigm - Can magnitude of the sensory gating affect preattentive auditory comparison process?**
ERMUTLU M. N., Demiralp T., Karamursel S.
NEUROSCIENCE LETTERS, vol.412, no.1, pp.1-5, 2007 (SCI-Expanded)
- XIX. **Event-related potentials during auditory oddball, and combined auditory oddball-visual paradigms**
Isoglu-Alkac U., KEDZIOR K., Karamursel S., ERMUTLU N.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.117, no.4, pp.487-506, 2007 (SCI-Expanded)
- XX. **Electroencephatographic characterization of scopolamine-induced convulsions in fasted mice after food intake**
Nurten A., Ozen I., Karamursel S., Kara I.
SEIZURE-EUROPEAN JOURNAL OF EPILEPSY, vol.15, no.7, pp.509-519, 2006 (SCI-Expanded)
- XXI. **Event related potentials in girls with congenital adrenal hyperplasia**
Isoglu-Alkac U., Gunoz H., Karamursel S., Bas F.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, vol.61, no.3, pp.334, 2006 (SCI-Expanded)
- XXII. **The properties of brain cognitive processing in girls with congenital adrenal hyperplasia**
Gunoz H., Alkac U. I., Bas F., Karamursel S.
HORMONE RESEARCH, vol.65, pp.118-119, 2006 (SCI-Expanded)
- XXIII. **Assessment of efficacy and psychomotor performances of thiocolchicoside and tizanidine in patients with acute low back pain**
Ketenci A., OZCAN E., KARAMURSEL S.
International Journal of Clinical Practice, vol.59, no.7, pp.764-770, 2005 (SCI-Expanded)
- XXIV. **Auditory on- and off-responses and alpha oscillations in the human EEG**
Isoglu-Alkac U., KESKINDEMIRCI G., KARAMURSEL S.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.114, no.7, pp.879-906, 2004 (SCI-Expanded)
- XXV. **The effects of losartan and immobilization stress on heart rate variability and plasma corticosterone levels in rats**
Uresin A. Y., Tonyali H., Karamursel S.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.114, no.3, pp.365-379, 2004 (SCI-Expanded)
- XXVI. **Cognitive impairment in amyotrophic lateral sclerosis: evidence from neuropsychological investigation and event-related potentials**
HANAGASI H. A., GURVIT I., ERMUTLU N., KAPTANOGLU G., KARAMURSEL S., IDRISOGLU H. A., EMRE M., Demiralp

- T.
COGNITIVE BRAIN RESEARCH, vol.14, no.2, pp.234-244, 2002 (SCI-Expanded)
- XXVII. **Alpha rhythm properties during the onset and offset of auditory stimuli**
Isoglu-Alkac U., KARAMURSEL S.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, vol.30, pp.227-228, 1998 (SCI-Expanded)
- XXVIII. **Slow cortical potential shifts modulate P300 amplitude and topography in humans**
ERGENOGLU T., Demiralp T., BEYDAGI H., KARAMURSEL S., DEVRİM M., ERMUTLU N.
NEUROSCIENCE LETTERS, vol.251, no.1, pp.61-64, 1998 (SCI-Expanded)
- XXIX. **Dynamic properties of the responses to fast omitted stimulus potential paradigm in human**
ISOGLUALKAC U., KARAMURSEL S., Demiralp T., DEVRİM M.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.88, pp.159-174, 1996 (SCI-Expanded)
- XXX. **MOVEMENT-RELATED CORTICAL POTENTIALS - THEIR RELATIONSHIP TO THE LATERALITY, COMPLEXITY AND LEARNING OF A MOVEMENT**
DEMIRALP T., KARAMURSEL S., KARAKULLUKCU Y., GOKHAN N.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.51, pp.153-162, 1990 (SCI-Expanded)

Articles Published in Other Journals

- I. **Elektroretinografi Ve Görsel Uyarılmış Potansiyel Ölçümlerinde Zenon Ve LED Işık Kaynaklarının Karşılaştırılması**
AKSU S., KURT A., SOYATA A., Saçar K. T., Taşdelen S., KARAMÜRSEL S.
ANADOLU KLİNİĞİ TIP BİLİMLERİ DERGİSİ, vol.24, no.2, pp.78-86, 2019 (Peer-Reviewed Journal)
- II. **Relation between anxiety level and various physiological parameters**
DEMIRALP T., KARAMURSEL S., Saydam M. B., Kayhan S., Karakullukcu Y., GOKHAN N.
İstanbul Tıp Fakültesi Mecmuası, vol.53, no.2, pp.1-5, 1990 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of blood and plasma viscosities at various shear rates in normotensive and hypertensive subjects**
ERTAN N. Z., Karakullukçu Y. E., Çavuşoğlu H., KARAMÜRSEL S., Gökhan N.
International Hemorheology Symposium, Ankara, Turkey, pp.16
- II. **Cortical EEG profiling of healthy rats with paroxetine-induced serotonergic system**
ÖZERMAN EDİS B., Eskikurt G., Nurten A., KARAMÜRSEL S.
11th FENS Forum of Neuroscience, Berlin, Germany, 7 - 11 July 2018, pp.145
- III. **Flash ERG and VEP – Comparison of Stimulation by LED and Xenon Lamp**
AKSU S., Kurt A., Erdoğan E. T., Taşdelen S., KARAMÜRSEL S.
15th European Congress of Clinical Neurophysiology, Brno, Czech Republic, 30 September - 03 October 2015, pp.1
- IV. **Transcranial direct current stimulation for seizure control in patients with Lennox-Gastaut syndrome**
Tektürk P., Erdogan E. T., KURT A. R., Kucuk Z., AKSU S., Karamursel S., YAPICI Z., Baykan B.
Joint Congress of European Neurology, İstanbul, Turkey, 31 May - 03 June 2014, pp.226

Supported Projects

KARAMÜRSEL S., Project Supported by Higher Education Institutions, Merkezi Sinir Sistemi Cerrahisi Esnasında İntraoperatif Sinir Sistemi Görüntüleme Modalitelerinin Etkin Kullanımı, 2010 - 2012

KARAMÜRSEL S., Project Supported by Higher Education Institutions, Müzik eğitimi almış mutlak perde ayırdı yapabilen

ve m zik eēitimi almamıř kiřilerde m zikal sesleri ayırt etme sırasında beyin kognitif potansiyelleri, 2008 - 2011

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