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Education Information

Doctorate, Hacettepe University, Nörolojik Bilimler ve Psikiyatri Enstitüsü, Temel Nörolojik Bilimler, Turkey 1999 - 2004

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Nöroloji, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Neurology

Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1996 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Perspectives of Family Caregivers of People With Alzheimer's Disease on Caregiving Experience and Needs A Qualitative Study**
Kilic B. S., HİÇDURMAZ D., AYHAN Y., SAKA TOPÇUOĞLU E.
JOURNAL OF PSYCHOSOCIAL NURSING AND MENTAL HEALTH SERVICES, no.6, pp.36-45, 2024 (SCI-Expanded)
- II. **Clinical predictors of Alzheimer's disease-like brain atrophy in individuals with memory complaints**
Karakasli A. A., Ozkan E., Karacam Dogan M., Cap D., KARAOSMANOĞLU A., KARAHAN S., Zorlu N., SAKA TOPÇUOĞLU E., AYHAN Y.
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- III. **Role of serostatus in pediatric neuromyelitis optica spectrum disorders: A nationwide multicentric study**
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- IV. **Sleep disorders and polysomnography findings in patients with autoimmune encephalitis**
Erkent I., ELİBOL B., Saka E., SAYGI S., Tezer I.
Neurological Sciences, vol.44, no.4, pp.1351-1360, 2023 (SCI-Expanded)
- V. **Rhythm Control and Dementia in Patients With Atrial Fibrillation: A Role for Glymphatic System?**
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- VII. **Cerebral vasomotor reactivity across the continuum of subjective cognitive impairment, amnesic mild cognitive impairment and probable Alzheimer's dementia: A transcranial Doppler and PET/MRI study**
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- VIII. **Perivascular PDGFRB+ cells accompany lesion formation and clinical evolution differentially in two different EAE models**
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- IX. **What is New in Nuclear Medicine Imaging for Dementia**
Saka Topçuoğlu E., AKDEMİR Ü. Ö., ATAY L. Ö.
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- X. **Frequency of myelin oligodendrocyte glycoprotein antibodies in pediatric onset multiple sclerosis**
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- XI. **Myelin oligodendrocyte glycoprotein antibodies in genetic leukodystrophies**
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- XII. **Investigating myelin oligodendrocyte glycoprotein antibodies in hereditary citrullinemia**
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- XIII. **Two cases with mitochondrial membrane protein-associated neurodegeneration: genetic features and long-term clinical follow-up**
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- XIV. **The Complex Genetic Landscape of Hereditary Ataxias in Turkey and Implications in Clinical Practice**
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- XV. **Predictors of progression in primary progressive multiple sclerosis in a large Turkish cohort**
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- XVI. **Adaptation of the Modified Mini-Mental State Examination (3MS) and Determination of Its Normative Values in Turkey**
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- XVII. **The Sole Initial Imaging Finding in Creutzfeldt-Jacob Disease: Focal FDG-PET Hypometabolism**
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- XVIII. **The Glycosylation Site of Myelin Oligodendrocyte Glycoprotein Affects Autoantibody Recognition in a Large Proportion of Patients**
Fernandez I. M., Macrini C., Krumbholz M., Hensbergen P. J., Ederveen A. L. H., Winklmeier S., Vural A., Kurne A., Jenne D., Kamp F., et al.
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- XIX. **Cognitive Dysfunction in Relation to Topography and Burden of Cerebral Microbleeds**
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- XX. **Post-stroke totally recovery of tremor in a patient with Parkinson's disease**
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- XXI. **The p.Thr11Met mutation in c19orf12 is frequent among adult Turkish patients with MPAN**
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- XXII. **Recommendations for CSF AD biomarkers in the diagnostic evaluation of dementia**
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- XXIII. **Recommendations for cerebrospinal fluid Alzheimer's disease biomarkers in the diagnostic evaluation of mild cognitive impairment**
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- XXIV. **New mutations and genotype-phenotype correlation in late-onset Pompe patients**
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- XXV. **Improved Cerebrospinal Fluid-Based Discrimination between Alzheimer's Disease Patients and Controls after Correction for Ventricular Volumes**
van Doorn L. J. C. v. W., Gispert J. D., Kuiperij H. B., Claassen J. A. H. R., Arighi A., Baldeiras I., Blennow K., Bozzali M., Castelo-Branco M., Cavedo E., et al.
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- XXVI. **Epigenetic approach to early-onset Parkinson's disease: low methylation status of SNCA and PARK2 promoter regions**
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- XXVII. **Mutation analysis of the PARKIN, PINK1, DJ1, and SNCA genes in Turkish early-onset Parkinson's patients and genotype-phenotype correlations**
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- XXVIII. **Default mode network connectivity is linked to cognitive functioning and CSF A beta(1-42) levels in Alzheimer's disease**
Celebi O., UZDOĞAN A., Oguz K. K., Has A. C., Dolgun A., Cakmakli G. Y., Akbiyik F., ELİBOL B., Saka E.
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- XXIX. **Autoimmune Limbic Encephalitis and Syndrome of Inappropriate Antidiuretic Hormone Secretion Associated with Lamotrigine-induced Drug Rash with Eosinophilia and Systemic Symptoms (DRESS) Syndrome**
ÖZİŞİK L., Tanriover M., Saka E.
INTERNAL MEDICINE, vol.55, no.10, pp.1393-1396, 2016 (SCI-Expanded)
- XXX. **Isolated central nervous system Whipple's disease: Two cases**
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CLINICAL NEUROLOGY AND NEUROSURGERY, vol.139, pp.91-94, 2015 (SCI-Expanded)
- XXXI. **Short latency afferent inhibition and cognitive functions in multiple system atrophy**
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- XXXII. **Teaching NeuroImages: A neurosyphilis case presenting with atypical neuroradiologic findings**

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- XXXIII. **Recommendations to standardize preanalytical confounding factors in Alzheimer's and Parkinson's disease cerebrospinal fluid biomarkers: an update**
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- XXXIV. **Docosahexaenoic acid provides protective mechanism in bilaterally MPTP-lesioned rat model of Parkinson's disease**
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- XXXV. **Levodopa-Induced Dyskinesia Is Associated with Increased Thyrotropin Releasing Hormone in the Dorsal Striatum of Hemi-Parkinsonian Rats**
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- XXXVI. **PATHOPHYSIOLOGY OF ALZHEIMER'S DISEASE: EXPERIMENTAL AND GENETIC FINDINGS**
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- XXXVII. **Transcranial sonography in Perry syndrome**
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- XXXVIII. **Enhanced cued recall and clock drawing test performances differ in Parkinson's and Alzheimer's disease-related cognitive dysfunction**
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- XXXIX. **Dysregulation of CalDAG-GEFI and CalDAG-GEFII predicts the severity of motor side-effects induced by anti-parkinsonian therapy**
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- XL. **Linear measures of temporal lobe atrophy on brain magnetic resonance imaging (MRI) but not visual rating of white matter changes can help discrimination of mild cognitive impairment (MCI) and Alzheimer's disease (AD)**
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- XLI. **Enhanced cued recall has a high utility as a screening test in the diagnosis of Alzheimer's disease and mild cognitive impairment in Turkish people.**
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- XLII. **Tongue tremor in brainstem pilocytic astrocytoma**
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- XLIII. **Thymus changes in anti MuSK positive and negative myasthenia gravis**
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Articles Published in Other Journals

- I. **Post-inflammatory administration of N-acetylcysteine reduces inflammation and alters receptor levels in a cellular model of Parkinson's disease**
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- II. **Use of Oral Nutritional Supplements in Neurology: General Principles, Special Practices**
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- III. **The Role of the Dopamine beta-hydroxylase Functional Polymorphism in Patients with Early-Onset Parkinson's Disease in the Turkish Population**
Erer S., ERYILMAZ I. E., Colak D. K., EGELİ Ü., ÇEÇENER G., TUNCA B., Karakus E., Colakoglu B., Tokcaer A. B., SAKA TOPÇUOĞLU E., et al.
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- IV. **Higher alpha-synuclein aggregate density does not lead to more severe dopaminergic cell loss in the AAV-mediated overexpression model of Parkinson's Disease: A time-course study**
TEL B. C., KAZKAYASI İ., TELLİ G., Cinar E., Mutluay S. U., YALÇIN ÇAKMAKLI G., SAKA TOPÇUOĞLU E., ELİBOL B.
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- V. **Comparative Analysis of Cognitive Profiles of Huntington's and Parkinson's Diseases**
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- VII. **Turkish Standardization of Movement Disorders Society Unified Parkinson's Disease Rating Scale and Unified Dyskinesia Rating Scale**
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Refereed Congress / Symposium Publications in Proceedings

- I. **RAPAMYCIN TREATMENT ENHANCES COGNITIVE FUNCTION IN THE AAV-MEDIATED HIPPOCAMPAL ALPHA-SYNUCLEINOPATHY IN RAT**
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- II. **30 yıl sonra gelişen relaps ile tanınan nmda ensefaliti olgusu**
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- III. **2000-2017 yılları arası izlenen Anti-GAD pozitif nörolojik sendrom olgularının klinik, laboratuvar ve görüntüleme özellikleri ve immün tedavi yanıtları**
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54. Ulusal nöroloji kongresi, Turkey, 30 November - 06 December 2018, pp.53
- IV. **A promising model for cognitive dysfunction in Parkinson's Disease by AAV-mediated alpha-synuclein overexpression in hippocampus**
Çınar E., Yalçın Çakmaklı G., Saka Topçuoğlu E., Tel B. C., Elibol B.
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- V. **Synaptic loss predominates neuronal loss in a PD model of AAV-mediated alpha-synuclein overexpression in hippocampus and striatum**
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- VI. **AVV-aracılı Alfa-sinüklein Aşırı İfadesine Dayalı Parkinson Hastalığı Sıçan Modelinde Motor ve Non-motor Belirtiler**
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- VII. **AAV-aracılı Alfa-sinükleinopati Modelinde Zamana Bağlı Motor Değişiklikler**
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- VIII. **Alzheimer hastasının el yazısında harf tekrarı bulgusu. 29 Eylül-1 Ekim 2017, İstanbul.**
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- IX. **Adaptation of the modified mini-mental state (3MS) exam, development of a version for the undereducated, and determination of normative values in the Turkish population**
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21. Klinik Eğitim Sempozyumu, Turkey, 19 - 22 April 2017
- XI. **The Maculo-Papillary Bundle and Inner Ganglion Cell Layer Are Affected More Prominently in Radiologically Isolated Syndrome**
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- XII. **Hippocampal adeno associated viral vector mediated alpha synuclein overexpression A promising model for recapitulating cognitive involvement in Parkinson s disease**
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- XIII. **Hippocampal AAV mediated alpha synuclein overexpression leads to synaptic and neuronal loss with minor cognitive deficits as a Parkinson s disease model in rats**
ÇINAR E., YALÇIN ÇAKMAKLI G., Mutluay S. U., SAKA TOPÇUOĞLU E., Ulusoy A., TEL B. C., ELİBOL B.
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6th European Congress of Pharmacology Meeting EPHAR 2016, 26 - 30 June 2016
- XV. **Unilateral AAV aracılı alfa sinüklein aşırı ifadesi ile oluşturulan PH modelinde motor ve bilişsel değişiklikler**
TEL B. C., Mutluay S. U., ÇINAR E., YALÇIN ÇAKMAKLI G., SAKA TOPÇUOĞLU E., Ulusoy A., ELİBOL B.
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- XVI. **Disease activity in Primary Progressive Multiple Sclerosis**
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ACTRIMS Forum, Louisiana, United States Of America, 18 - 20 February 2016, vol.22, pp.30
- XVII. **Adeno ilişkili viral vektör aracılı Parkinson hastalığı modelinde dentat girusta aşırı alfa-sinüklein ifadesine bağlı bilişsel fonksiyon değişikliklerinin davranışsal ve histopatolojik değerlendirilmesi**
ÇINAR E., YALÇIN ÇAKMAKLI G., Mutluay S. U., TELLİ G., KAZKAYASI İ., Ulusoy A., SAKA TOPÇUOĞLU E., ELİBOL B., TEL B. C.
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- XVIII. **Cognitive dysfunction due to over expression of alpha synuclein in hippocampus by using viral vector based approach Modeling cognitive decline in PD**
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- XIX. **Modulation of short-latency afferent inhibition (SAI) in multisystem atrophy by low frequency (1-Hz) repetitive transcranial magnetic stimulation (rTMS) of the cerebellum**
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19th International Congress of Parkinson's Disease and Movement Disorders, California, United States Of America, 14 - 18 June 2015, vol.30
- XX. **Altered Default Mode Network Functional Connectivity And White Matter Integrity In Parkinson s Disease And Relation With Cognitive Functions**
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