

Prof. TURGAY DALKARA

Personal Information

Office Phone: [+90 312 305 2130](tel:+903123052130)

Fax Phone: [+90 312 311 3973](tel:+903123113973)

Email: tdalkara@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/tdalkara>

International Researcher IDs

ORCID: 0000-0003-3943-7819

ScopusID: 7005158087

Yoksis Researcher ID: 169868

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmakoloji, Turkey 1977 - 1981

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Nöroloji Anabilim Dalı, Turkey 1975 - 1979

Postgraduate, Hacettepe University, Tıp Fakültesi, Turkey 1969 - 1975

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kortikosteroidlerin nöromüsküler aşırıma etkileri ve olası etki mekanizmaları, Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1981

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Neurology

Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1993 - Continues

Associate Professor, Harvard University, Tıp, Massachusetts General Hospital, 1992 - 1994

Associate Professor, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1986 - 1993

Assistant Professor, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1986 - 1986

Research Assistant, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1984 - 1986

Expert, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1979 - 1981

Research Assistant, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1975 - 1979

Academic and Administrative Experience

Hacettepe Üniversitesi, Nörolojik Bilimler ve Psikiyatri Enstitüsü, 2001 - Continues

Hacettepe Üniversitesi, Nörolojik Bilimler ve Psikiyatri Enstitüsü, Nörolojik Ve Psikiyatrik Temel Bilimler Anabilim Dalı, 1991 - Continues

Hacettepe Üniversitesi, Nörolojik Bilimler ve Psikiyatri Enstitüsü, 1992 - 2001

Advising Theses

DALKARA T., Alfa-Fenil-N-Tert-Butil-Nitron (PBN) yüklü nanopartiküler taşıyıcı sistemlerin hazırlanması ve in vitro olarak değerlendirilmesi, Postgraduate, O.PINARBAŞLI(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **FGF2 gene's antisense protein, NUDT6, plays a depressogenic role by promoting inflammation and suppressing neurogenesis without altering FGF2 signalling**
Uzay B., Bahadır-Varol A., Hökelekli F. Ö., YILMAZ M., Esen E. C., BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
Journal of Physiology, vol.602, no.7, pp.1427-1442, 2024 (SCI-Expanded)
- II. **Cortical spreading depression can be triggered by sensory stimulation in primed wild type mouse brain: a mechanistic insight to migraine aura generation**
HANALIOĞLU Ş., TAŞKIRAN SAĞ A., KARATAŞ KURŞUN H., Donmez-Demir B., YILMAZ ÖZCAN S., EREN KOÇAK E., Gursoy-Ozdemir Y., DALKARA T.
JOURNAL OF HEADACHE AND PAIN, vol.23, no.1, 2022 (SCI-Expanded)
- III. **Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations**
Bağcı C., Sever-Bahçekapılı M., Belder N., Bennett A. P. S., Erdener Ş. E., Dalkara T.
Neurophotonics, vol.9, no.2, 2022 (SCI-Expanded)
- IV. **Contractile apparatus in CNS capillary pericytes**
ERDENER Ş. E., Kureli G., DALKARA T.
NEUROPHOTONICS, vol.9, no.2, 2022 (SCI-Expanded)
- V. **Confocal reflectance microscopy for metal and lipid nanoparticle visualization in the brain**
ÇAKIR AKTAŞ C., ERDENER Ş. E., Teke B., Pehlivan S. B., ZEYBEK N. D., TAŞKIRAN SAĞ A., Kaya Z., DALKARA T., MUT AŞKUN M.
NANOMEDICINE, vol.17, pp.447-460, 2022 (SCI-Expanded)
- VI. **Parenchymal neuroinflammatory signaling and dural neurogenic inflammation in migraine**
ERDENER Ş. E., Kaya Z., DALKARA T.
JOURNAL OF HEADACHE AND PAIN, vol.22, no.1, 2021 (SCI-Expanded)
- VII. **Ion Channel Dysfunction and Neuroinflammation in Migraine and Depression**
Eren-Kocak E., DALKARA T.
FRONTIERS IN PHARMACOLOGY, vol.12, 2021 (SCI-Expanded)
- VIII. **Brain glycogen metabolism: A possible link between sleep disturbances, headache and depression**
Petit J., Eren-Koçak E., Karatas H., Magistretti P., Dalkara T.
SLEEP MEDICINE REVIEWS, vol.59, 2021 (SCI-Expanded)
- IX. **Widespread brain parenchymal HMGB1 and NF-KB neuroinflammatory responses upon cortical spreading depolarization in familial hemiplegic migraine type 1 mice**
Dehghani A., Phisonkunkasem T., Ozcan S. Y., DALKARA T., van den Maagdenberg A. M. J. M., Tolner E. A., KARATAŞ KURŞUN H.
NEUROBIOLOGY OF DISEASE, vol.156, 2021 (SCI-Expanded)
- X. **Pericyte morphology and function**
Alarcon-Martinez L., Yemisci M., Dalkara T.
Histology and Histopathology, vol.36, no.6, pp.633-643, 2021 (SCI-Expanded)

- XI. **F-actin polymerization contributes to pericyte contractility in retinal capillaries**
Kureli G., Yilmaz-Ozcan S., Erdener Ş. E., Donmez-Demir B. N., Yemisci M., Karatas H., Dalkara T.
EXPERIMENTAL NEUROLOGY, vol.332, 2020 (SCI-Expanded)
- XII. **KCl-induced cortical spreading depression waves more heterogeneously propagate than optogenetically-induced waves in lissencephalic brain: an analysis with optical flow tools**
Donmez-Demir B., ERDENER Ş. E., KARATAŞ KURŞUN H., Kaya Z., ULUSOY İ., DALKARA T.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XIII. **Combination of Paclitaxel and R-flurbiprofen loaded PLGA nanoparticles suppresses glioblastoma growth on systemic administration**
Caban-Toktas S., Sahin A., Lule S., Esendagli G., Vural İ., Karlı Oguz K., Soylemezoglu F., Mut M., Dalkara T., Khan M., et al.
International Journal of Pharmaceutics, vol.578, 2020 (SCI-Expanded)
- XIV. **Pericytes A Novel Target to Improve Success of Recanalization Therapies**
DALKARA T.
STROKE, vol.50, no.10, pp.2985-2991, 2019 (SCI-Expanded)
- XV. **Retinal ischemia induces alpha-SMA-mediated capillary pericyte contraction coincident with perivascular glycogen depletion**
Alarcon-Martinez L., Yilmaz-Ozcan S., Yemisci M., Schallek J., Kilic K., Villafranca-Baughman D., Can A., Di Polo A., DALKARA T.
ACTA NEUROPATHOLOGICA COMMUNICATIONS, vol.7, no.1, 2019 (SCI-Expanded)
- XVI. **Small vessels are a big problem in neurodegeneration and neuroprotection**
Erdener Ş. E., Dalkara T.
Frontiers in Neurology, vol.10, no.AUG, 2019 (SCI-Expanded)
- XVII. **Pericytes in Ischemic Stroke**
DALKARA T., Alarcon-Martinez L., Yemisci M.
PERICYTE BIOLOGY IN DISEASE, vol.1147, pp.189-213, 2019 (SCI-Expanded)
- XVIII. **Nuclear expansion and pore opening are instant signs of neuronal hypoxia and can identify poorly fixed brains**
DEGHANI A., Karatas H., CAN A. B., ERDEMLI E., YEMISCI M., EREN-KOCAK E., DALKARA T.
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XIX. **Stress modulates cortical excitability via alpha-2 adrenergic and glucocorticoid receptors: As assessed by spreading depression**
Yapici-Eser H., DONMEZ-DEMİR B. N., Kilic K., Eren-Kocak E., DALKARA T.
EXPERIMENTAL NEUROLOGY, vol.307, pp.45-51, 2018 (SCI-Expanded)
- XX. **Metabolomic Estimation of the Diagnosis and Onset Time of Permanent and Transient Cerebral Ischemia**
CAMBRAY S., Portero-Otin M., JOVE M., TORREGUÍTART N., Colas-Campas L., SANZ A., BENABDELHAK I., Yemisci M., DALKARA T., Donmez-Demir B. N., et al.
MOLECULAR NEUROBIOLOGY, vol.55, no.7, pp.6193-6200, 2018 (SCI-Expanded)
- XXI. **Improving Microcirculatory Reperfusion Reduces Parenchymal Oxygen Radical Formation and Provides Neuroprotection.**
TASKIRAN-SAG A., YEMISCI M., GURSOY-OZDEMİR Y., ERDENER Ş. E., KARATAS H., YÜCE D., DALKARA T.
Stroke, vol.49, no.5, pp.1267-1275, 2018 (SCI-Expanded)
- XXII. **Capillary pericytes express alpha-smooth muscle actin, which requires prevention of filamentous-actin depolymerization for detection**
Alarcon-Martinez L., Yilmaz-Ozcan S., Yemisci M., Schallek J., Kilic K., Can A., Di Polo A., DALKARA T.
ELIFE, vol.7, 2018 (SCI-Expanded)
- XXIII. **Angiographic Microcirculatory Obstructions Distal to Occlusion Signify Poor Outcome after Endovascular Treatment for Acute Ischemic Stroke**
ARSAVA E. M., Arat A., TOPÇUOĞLU M. A., PEKER A., Yemisci M., DALKARA T.
TRANSLATIONAL STROKE RESEARCH, vol.9, no.1, pp.44-50, 2018 (SCI-Expanded)

- XXIV. **Inadequate Brain Glycogen or Sleep Increases Spreading Depression Susceptibility**
KILIÇ K., Karatas H., DONMEZ-DEMİR B. N., Eren-Kocak E., Gursoy-Ozdemir Y., Can A., PETİT J., Magistretti P. J., DALKARA T.
ANNALS OF NEUROLOGY, vol.83, no.1, pp.61-73, 2018 (SCI-Expanded)
- XXV. **Murine Sialidase Neu3 facilitates GM2 degradation and bypass in mouse model of Tay-Sachs disease**
SEYRANTEPE V., DEMİR S. A., Timur Z. K., Von Gerichten J., Marsching C., ERDEMLİ E., Oztas E., Takahashi K., Yamaguchi K., Ates N., et al.
EXPERIMENTAL NEUROLOGY, vol.299, pp.26-41, 2018 (SCI-Expanded)
- XXVI. **Brain Peptides for the Treatment of Neuropsychiatric Disorders**
Karatas H., YEMİSİ M., EREN-KOCAK E., DALKARA T.
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.33, pp.3905-3917, 2018 (SCI-Expanded)
- XXVII. **Preparation and Characterization of Biocompatible Chitosan Nanoparticles for Targeted Brain Delivery of Peptides**
Yemisci M., Caban S., Fernandez-Megia E., ÇAPAN Y., Couvreur P., DALKARA T.
NEUROTROPHIC FACTORS: METHODS AND PROTOCOLS, 2ND EDITION, vol.1727, pp.443-454, 2018 (SCI-Expanded)
- XXVIII. **Microembolism of single cortical arterioles can induce spreading depression and ischemic injury; a potential trigger for migraine and related MRI lesions**
Donmez-Demir B. N., Yemisci M., Klilc K., Gursoy-Ozdemir Y., Soylemezoglu F., Moskowitz M., DALKARA T.
BRAIN RESEARCH, vol.1679, pp.84-90, 2018 (SCI-Expanded)
- XXIX. **Behçet Disease serum is immunoreactive to neurofilament medium which share common epitopes to bacterial HSP-65, a putative trigger.**
Lule S., Colpak A. I., Balci-Peynircioglu B., Gursoy-Ozdemir Y., Peker S., Kalyoncu U., Can A., Tekin N., Demiralp D., Dalkara T.
Journal of autoimmunity, vol.84, pp.87-96, 2017 (SCI-Expanded)
- XXX. **Optical coherence tomography imaging of capillary reperfusion after ischemic stroke**
Lee J., Gursoy-Ozdemir Y., Fu B., Boas D. A., DALKARA T.
APPLIED OPTICS, vol.55, no.33, pp.9526-9531, 2016 (SCI-Expanded)
- XXXI. **Neurovascular coupling in health and disease**
DALKARA T.
ACTA PHYSIOLOGICA, vol.217, pp.20-21, 2016 (SCI-Expanded)
- XXXII. **Analyses of the Turkish National Intravenous Thrombolysis Registry**
Kutluk K., KAYA D., AFSAR N., ARSAVA E. M., ÖZTÜRK V., UZUNER N., GİRAY S., TOPÇUOĞLU M. A., Gungor L., ŞİRİN H., et al.
JOURNAL OF STROKE & CEREBROVASCULAR DISEASES, vol.25, no.5, pp.1041-1047, 2016 (SCI-Expanded)
- XXXIII. **Cerebral small vessel disease: Capillary pathways to stroke and cognitive decline**
Ostergaard L., Engedal T. S., Moreton F., Hansen M. B., Wardlaw J. M., DALKARA T., Markus H. S., Muir K. W.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.36, no.2, pp.302-325, 2016 (SCI-Expanded)
- XXXIV. **What is a pericyte?**
Atwell D., Mishra A., Hall C. N., O'Farrell F. M., DALKARA T.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.36, no.2, pp.451-455, 2016 (SCI-Expanded)
- XXXV. **Role of Pericytes in Neurovascular Unit and Stroke**
DALKARA T., Alarcon-Martinez L., Yemisci M.
NON-NEURONAL MECHANISMS OF BRAIN DAMAGE AND REPAIR AFTER STROKE, pp.25-43, 2016 (SCI-Expanded)
- XXXVI. **Cerebral microvascular pericytes and neurogliovascular signaling in health and disease**
DALKARA T., Alarcon-Martinez L.
BRAIN RESEARCH, vol.1623, pp.3-17, 2015 (SCI-Expanded)
- XXXVII. **Neurovascular Coupling During Cortical Spreading Depolarization and - Depression**
Ostergaard L., Dreier J. P., Hadjikhani N., Jespersen S. N., Dirnagl U., DALKARA T.
STROKE, vol.46, no.5, pp.1392-1401, 2015 (SCI-Expanded)
- XXXVIII. **Use of metabolomics and genomics to find biomarkers of TIA and to study mechanisms of ischemic**

conditioning on mice

Cambray S., Jove M., Colas L., Torreguitart N., Benabdelhak I., Buket D., Yemisci M., DALKARA T., Pamplona R., Portero-Otin M., et al.

INTERNATIONAL JOURNAL OF STROKE, vol.10, pp.191, 2015 (SCI-Expanded)

- XXXIX. **Systemically administered brain-targeted nanoparticles transport peptides across the blood-brain barrier and provide neuroprotection**
Yemisci M., Caban S., Gursoy-Ozdemir Y., Lule S., NOVOA-CARBALLAL R., RIGUERA R., FERNANDEZ-MEGIA E., Andrieux K., COUVREUR P., ÇAPAN Y., et al.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.35, no.3, pp.469-475, 2015 (SCI-Expanded)
- XL. **Poloxamer-188 and citicoline provide neuronal membrane integrity and protect membrane stability in cortical spreading depression**
YILDIRIM T., EYLEN A., Lule S., Erdener Ş. E., VURAL A., Karatas H., Ozveren M. F., DALKARA T., GURSOY-OZDEMIR Y.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.125, no.12, pp.941-946, 2015 (SCI-Expanded)
- XLI. **Squalenoyl adenosine nanoparticles provide neuroprotection after stroke and spinal cord injury**
Gaudin A., Yemisci M., EROĞLU H., Lepetre-Mouelhi S., Turkoglu O. F., Donmez-Demir B., Caban S., SARGON M. F., Garcia-Argote S., Pieters G., et al.
NATURE NANOTECHNOLOGY, vol.9, no.12, pp.1054-1062, 2014 (SCI-Expanded)
- XLII. **Modelling headache and migraine and its pharmacological manipulation**
Erdener S. E., DALKARA T.
BRITISH JOURNAL OF PHARMACOLOGY, vol.171, no.20, pp.4575-4594, 2014 (SCI-Expanded)
- XLIII. **An aquaporin 4 antisense oligonucleotide loaded, brain targeted nanoparticulate system design**
KOZLU S., CABAN S., YERLIKAYA F., FERNANDEZ-MEGIA E., NOVOA-CARBALLAL R., RIGUERA R., Yemisci M., GURSOY-OZDEMIR Y., DALKARA T., COUVREUR P., et al.
PHARMAZIE, vol.69, no.5, pp.340-345, 2014 (SCI-Expanded)
- XLIV. **Comparative in vitro studies on PBN loaded nanoparticles prepared by biodegradable chitosan, PLGA polymers and their PEGylated block copolymers**
Ozturk K., FERNANDEZ-MEGIA E., NOVOA-CARBALLAL R., RIGUERA R., Yemisci M., GURSOY-OZDEMIR Y., DALKARA T., COUVREUR P., ÇAPAN Y.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.24, no.2, pp.148-152, 2014 (SCI-Expanded)
- XLV. **How Does Fasting Trigger Migraine? A Hypothesis**
DALKARA T., Kilic K.
CURRENT PAIN AND HEADACHE REPORTS, vol.17, no.10, 2013 (SCI-Expanded)
- XLVI. **CELL DEATH AND SURVIVAL MECHANISMS ARE CONCOMITANTLY ACTIVE IN THE HIPPOCAMPUS OF PATIENTS WITH MESIAL TEMPORAL SCLEROSIS**
DERİCİOĞLU N., SOYLEMEZOĞLU F., GURSOY-OZDEMIR Y., AKALAN N., SAYGI S., DALKARA T.
NEUROSCIENCE, vol.237, pp.56-65, 2013 (SCI-Expanded)
- XLVII. **Spreading Depression Triggers Headache by Activating Neuronal Panx1 Channels**
KARATAS H., ERDENER Ş. E., GURSOY-OZDEMIR Y., Lule S., EREN-KOCAK E., Sen Z. D., DALKARA T.
SCIENCE, vol.339, no.6123, pp.1092-1095, 2013 (SCI-Expanded)
- XLVIII. **Paradoxical Air Microembolism Induces Cerebral Bioelectrical Abnormalities and Occasionally Headache in Patent Foramen Ovale Patients With Migraine**
SEVGI E. B., ERDENER Ş. E., Demirci M., TOPÇUOĞLU M. A., DALKARA T.
JOURNAL OF THE AMERICAN HEART ASSOCIATION, vol.1, no.6, 2012 (SCI-Expanded)
- XLIX. **Can restoring incomplete microcirculatory reperfusion improve stroke outcome after thrombolysis?**
DALKARA T., ARSAVA E. M.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.32, no.12, pp.2091-2099, 2012 (SCI-Expanded)
- L. **Plasma 3-nitrotyrosine estimates the reperfusion-induced cerebrovascular stress, whereas matrix metalloproteinases mainly reflect plasma activity: a study in patients treated with thrombolysis or endovascular recanalization**
Bas D. F., TOPÇUOĞLU M. A., Gursoy-Ozdemir Y., Saatci I., BODUR E., DALKARA T.

JOURNAL OF NEUROCHEMISTRY, vol.123, pp.138-147, 2012 (SCI-Expanded)

- LI. **Microvascular protection is essential for successful neuroprotection in stroke**
Gursoy-Ozdemir Y., Yemisci M., DALKARA T.
JOURNAL OF NEUROCHEMISTRY, vol.123, pp.2-11, 2012 (SCI-Expanded)
- LII. **TRANSPORT OF A CASPASE INHIBITOR ACROSS THE BLOOD BRAIN BARRIER BY CHITOSAN NANOPARTICLES**
YEMISCI M., GURSOY-OZDEMIR Y., CABAN S., BODUR E., ÇAPAN Y., DALKARA T.
NANOMEDICINE: CANCER, DIABETES, AND CARDIOVASCULAR, CENTRAL NERVOUS SYSTEM, PULMONARY AND INFLAMMATORY DISEASES, vol.508, pp.253-269, 2012 (SCI-Expanded)
- LIII. **Brain microvascular pericytes in health and disease**
DALKARA T., Gursoy-Ozdemir Y., Yemisci M.
ACTA NEUROPATHOLOGICA, vol.122, no.1, pp.1-9, 2011 (SCI-Expanded)
- LIV. **Thrombotic distal middle cerebral artery occlusion produced by topical FeCl₃ application: A novel model suitable for intravital microscopy and thrombolysis studies**
KARATAS H., ERDENER Ş. E., GURSOY-OZDEMIR Y., GURER G., SOYLEMEZOGLU F., DUNN A. K., DALKARA T.
Journal of Cerebral Blood Flow and Metabolism, vol.31, no.6, pp.1452-1460, 2011 (SCI-Expanded)
- LV. **Cyclosporine A-induced acute hepatotoxicity in guinea pigs is associated with endothelin-mediated decrease in local hepatic blood flow**
ERDEM Ş. R., Emre-Aydingoz S., ATILLA P., ÇAKAR A. N., DALKARA T., Bolay H., TUNCER M.
LIFE SCIENCES, vol.88, pp.753-760, 2011 (SCI-Expanded)
- LVI. **Alpha-synuclein aggregation induced by brief ischemia negatively impacts neuronal survival in vivo: a study in [A30P] alpha-synuclein transgenic mouse**
Unal-Cevik I., GURSOY-OZDEMIR Y., YEMISCI M., Lule S., GURER G., Can A., MUELLER V., KAHLE P. J., DALKARA T.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.31, no.3, pp.913-923, 2011 (SCI-Expanded)
- LVII. **The influence of N-desmethylclozapine and clozapine on recognition memory and BDNF expression in hippocampus**
ERTUĞRUL A., OZDEMIR H., VURAL A., DALKARA T., Meltzer H. Y., SAKA E.
BRAIN RESEARCH BULLETIN, vol.84, no.2, pp.144-150, 2011 (SCI-Expanded)
- LVIII. **Ischemic Stroke: Basic Pathophysiology and Neuroprotective Strategies**
Singhal A. B., Lo E. H., DALKARA T., Moskowitz M. A.
ACUTE ISCHEMIC STROKE: IMAGING AND INTERVENTION, SECOND EDITION, pp.1-24, 2011 (SCI-Expanded)
- LIX. **Lysosomal rupture, necroapoptotic interactions and potential crosstalk between cysteine proteases in neurons shortly after focal ischemia**
Kilinc M., Gursoy-Ozdemir Y., GURER G., ERDENER Ş. E., Erdemli E., Can A., DALKARA T.
NEUROBIOLOGY OF DISEASE, vol.40, no.1, pp.293-302, 2010 (SCI-Expanded)
- LX. **Pericyte constriction after stroke: the jury is still out reply**
Yemisci M., Gursoy-Ozdemir Y., DALKARA T.
NATURE MEDICINE, vol.16, no.9, pp.960, 2010 (SCI-Expanded)
- LXI. **Migraine aura pathophysiology: the role of blood vessels and microembolisation**
Dalkara T., Nozari A., Moskowitz M. A.
LANCET NEUROLOGY, vol.9, no.3, pp.309-317, 2010 (SCI-Expanded)
- LXII. **A nanomedicine transports a peptide caspase-3 inhibitor across the blood-brain barrier and provides neuroprotection**
KARATAS H., AKTAS Y., GURSOY-OZDEMIR Y., BODUR E., YEMISCI M., CABAN S., VURAL A., PINARBASLI O., ÇAPAN Y., FERNANDEZ-MEGIA E., et al.
Journal of Neuroscience, vol.29, no.44, pp.13761-13769, 2009 (SCI-Expanded)
- LXIII. **Astrocytes are More Resistant to Focal Cerebral Ischemia Than Neurons and Die by a Delayed Necrosis**
Gurer G., Gursoy-Ozdemir Y., ERDEMLİ E., CAN A., DALKARA T.
BRAIN PATHOLOGY, vol.19, no.4, pp.630-641, 2009 (SCI-Expanded)
- LXIV. **Pericyte contraction induced by oxidative-nitrative stress impairs capillary reflow despite successful**

opening of an occluded cerebral artery

Yemisci M., Gursoy-Ozdemir Y., Vural A., Can A., Topalkara K., DALKARA T.
NATURE MEDICINE, vol.15, no.9, pp.1031-1038, 2009 (SCI-Expanded)

- LXV. **Preparation and evaluation of alpha-phenyl-n-tert-butyl nitron (PBN)-encapsulated chitosan and PEGylated chitosan nanoparticles**
Pinarbasli O., Aktas Y., Dalkara T., Andrieux K., Alonso M. J., Fernandez-Megia E., Novoa-Carballal R., Riguera R., Couvreur P., Capan Y.
PHARMAZIE, vol.64, no.7, pp.436-439, 2009 (SCI-Expanded)
- LXVI. **A new model of transient focal cerebral ischemia for inducing selective neuronal necrosis**
ARSAVA E. M., GURER G., GURSOY-OZDEMIR Y., Karatas H., DALKARA T.
Brain Research Bulletin, vol.78, pp.226-231, 2009 (SCI-Expanded)
- LXVII. **Right Internal Carotid Artery Occlusion during Intravenous Thrombolysis for Left Middle Cerebral Artery Occlusion**
Yalcin-Cakmakli G., AKPINAR E., TOPÇUOĞLU M. A., DALKARA T.
JOURNAL OF STROKE & CEREBROVASCULAR DISEASES, vol.18, no.1, pp.74-77, 2009 (SCI-Expanded)
- LXVIII. **Protective role of 27bp repeat polymorphism in intron 4 of eNOS gene in lacunar infarction**
Yemisci M., Sinici I., ÖZKARA H. A., Hayran M., AY H., CELTIKCI B., ONDER E., Buyukserbetci G., Kaya E. B., Tokgozoglul., et al.
FREE RADICAL RESEARCH, vol.43, no.3, pp.272-279, 2009 (SCI-Expanded)
- LXIX. **Changes in the expression of selenoproteins in mesial temporal lobe epilepsy patients**
YÜZBAŞIOĞLU A., Karatas H., GURSOY-OZDEMIR Y., Saygi S., Akalan N., Soylemezoglu F., DALKARA T., KOCAEFE Y. Ç., ÖZGÜÇ M.
Cellular and Molecular Neurobiology, vol.29, no.8, pp.1223-1231, 2009 (SCI-Expanded)
- LXX. **Acute plasmalemma permeability and protracted clearance of injured cells after controlled cortical impact in mice**
Whalen M. J., DALKARA T., You Z., Qiu J., Bermpohl D., Mehta N., Suter B., Bhide P. G., Lo E. H., Ericsson M., et al.
Journal of Cerebral Blood Flow and Metabolism, vol.28, no.3, pp.490-505, 2008 (SCI-Expanded)
- LXXI. **Statin potentiates human platelet eNOS activity without enhancing eNOS mRNA and protein levels**
Yemisci M., AY H., Kocaeffe C., Qui J., Topalkara K., ÖZGÜÇ M., KIRAZLI S., Ozcebe O., Moskowitz M. A., DALKARA T.
CEREBROVASCULAR DISEASES, vol.26, no.2, pp.190-198, 2008 (SCI-Expanded)
- LXXII. **Rapid Response of Myasthenic Ocular Signs to IvIg Treatment**
KURNE A., ARSAVA E. M., DALKARA T.
NEURO-OPHTHALMOLOGY, vol.32, no.5, pp.249-252, 2008 (SCI-Expanded)
- LXXIII. **Cell death and survival mechanisms in the hippocampal tissue of patients with mesial temporal sclerosis**
Dericioglu N., Soylemezoglu F., Dalkara T., Akalan N., Ciger A., Saygi S.
VIRCHOWS ARCHIV, vol.451, no.2, pp.246, 2007 (SCI-Expanded)
- LXXIV. **Statin pre-treatment protects brain against focal cerebral ischemia in diabetic mice**
Cakmak A., Yemisci M., Koksoy C., Yazgan U., Dincer D., Dalkara T.
JOURNAL OF SURGICAL RESEARCH, vol.138, no.2, pp.254-258, 2007 (SCI-Expanded)
- LXXV. **Preparation and in vitro evaluation of bFGF-loaded chitosan nanoparticles**
Cetin M., Aktas Y., Vural İ., Capan Y., Dogan L. A., Duman M., Dalkara T.
DRUG DELIVERY, vol.14, no.8, pp.525-529, 2007 (SCI-Expanded)
- LXXVI. **Treatment of malignant gliomas with mitoxantrone-loaded poly (lactide-co-glycolide) microspheres**
Yemisci M., Vural İ., Bozdag S., Cetin M., Soylemezoglu F., Capan Y., Dalkara T.
Neurosurgery, vol.59, no.6, pp.1296-1302, 2006 (SCI-Expanded)
- LXXVII. **From spreading depression to the trigeminovascular system**
Dalkara T., Zervas N. T., Moskowitz M. A.
NEUROLOGICAL SCIENCES, vol.27, 2006 (SCI-Expanded)
- LXXVIII. **Suppression of cortical spreading depression in migraine prophylaxis**
Ayata C., Jin H., Kudo C., DALKARA T., Moskowitz M. A.

- Annals of Neurology, vol.59, no.4, pp.652-661, 2006 (SCI-Expanded)
- LXXXIX. **Serial analysis of gene expression in the hippocampus of patients with mesial temporal lobe epilepsy.**
Ozbas-Gerceker F., Redeker S., Boer K., Ozguc M., Saygi S., Dalkara T., Soylemezoglu F., Akalan N., Baayen J., Gorter J., et al.
Neuroscience, vol.138, no.2, pp.457-74, 2006 (SCI-Expanded)
- LXXX. **Preparation and characterization of PLGA nanospheres for the targeted delivery of NR2B-specific antisense oligonucleotides to the NMDA receptors in the brain**
KİLİC A. C., Capan Y., Vural I., Gursoy R. N., Dalkara T., CUİNE A., HİNCAL A. A.
JOURNAL OF MICROENCAPSULATION, vol.22, no.6, pp.633-641, 2005 (SCI-Expanded)
- LXXXI. **Development and brain delivery of chitosan-PEG nanoparticles functionalized with the monoclonal antibody OX26**
Aktas Y., Yemisci M., Andrieux K., Gursoy R., Alonso M., Fernandez-Megia E., Novoa-Carballal R., Quinoa E., Riguera R., Sargon M., et al.
BIOCONJUGATE CHEMISTRY, vol.16, no.6, pp.1503-1511, 2005 (SCI-Expanded)
- LXXXII. **VEGF protects brain against focal ischemia without increasing blood-brain permeability when administered intracerebroventricularly**
Kaya D., Gursoy-Ozdemir Y., Yemisci M., Tuncer N., Aktan S., Dalkara T.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.25, no.9, pp.1111-1118, 2005 (SCI-Expanded)
- LXXXIII. **Preparation and characterization of bFGF and BSA-loaded microspheres**
Cetin M., Capan Y., Vural I., Dogan A., Guc D., Hincal A., Wehrle P., Dalkara T.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.15, no.5, pp.371-375, 2005 (SCI-Expanded)
- LXXXIV. **Advances in stroke neuroprotection: Hyperoxia and beyond**
Singhal A., Lo E., Dalkara T., Moskowitz M.
NEUROIMAGING CLINICS OF NORTH AMERICA, vol.15, no.3, pp.697-722, 2005 (SCI-Expanded)
- LXXXV. **Formulation and in vitro bioactivity of mitoxantrone-loaded biodegradable microspheres on rat glioma (RG2) cells**
Bozdog S., Capan B., Vural I., Dalkara T., Dogan A., Guc D., Hincal A., DeLuca P.
Journal of Drug Delivery Science and Technology, vol.15, no.3, pp.201-206, 2005 (SCI-Expanded)
- LXXXVI. **In vitro cytotoxicity of mitoxantrone-incorporated albumin microspheres on acute promyelocytic leukaemia cells.**
Bozdog S., Capan Y., Vural I., Dalkara T., Dogan A., Guc D., Hincal A., Deluca P.
Journal of microencapsulation, vol.21, no.7, pp.751-60, 2004 (SCI-Expanded)
- LXXXVII. **Apoptotic and necrotic death mechanisms are concomitantly activated in the same cell after cerebral ischemia**
Unal-Cevik I., KILINC M., CAN A. B., GURSOY-OZDEMIR Y., DALKARA T.
STROKE, vol.35, no.9, pp.2189-2194, 2004 (SCI-Expanded)
- LXXXVIII. **Validity and reliability of the Turkish Migraine Disability Assessment (MIDAS) questionnaire**
Ertas M., SİVA A., Dalkara T., Uzun N., Dora B., Inan L., Idiman F., Sarica Y., Selcuki D., ŞİRİN H., et al.
HEADACHE, vol.44, no.8, pp.786-793, 2004 (SCI-Expanded)
- LXXXIX. **Loss of NeuN immunoreactivity after cerebral ischemia does not indicate neuronal cell loss: A cautionary note**
Unal-Cevik I., KILINC M., GURSOY-OZDEMIR Y., GURER G., DALKARA T.
BRAIN RESEARCH, vol.1015, pp.169-174, 2004 (SCI-Expanded)
- XC. **Reperfusion-induced oxidative/nitrative injury to neurovascular unit after focal cerebral ischemia**
Gursoy-Ozdemir Y., Can A., Dalkara T.
STROKE, vol.35, no.6, pp.1449-1453, 2004 (SCI-Expanded)
- XCI. **Mitochondrial complex I and IV activities in leukocytes from patients with parkin mutations**
MUFTUOGLU M., ELIBOL B., DALMIZRAK O., Ercan A., KULAKSIZ G., OGUS H., DALKARA T., OZER N.
MOVEMENT DISORDERS, vol.19, no.5, pp.544-548, 2004 (SCI-Expanded)
- XCII. **Effect of polymorphism on in vitro in vivo properties of carbamazepine conventional tablets**

- Elqidra R., Unlu N., Capan Y., Sahin G., Dalkara T., Hincal A.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.14, no.2, pp.147-153, 2004 (SCI-Expanded)
- XCIII. Deciphering Migraine Mechanisms: Clues from Familial Hemiplegic Migraine Genotypes**
Moskowitz M. A., BELEN H. B., DALKARA T.
Annals of Neurology, vol.55, no.2, pp.276-280, 2004 (SCI-Expanded)
- XCIV. Intravenously administered propidium iodide labels necrotic cells in the intact mouse brain after injury [1]**
Cevik U., DALKARA T.
Cell Death and Differentiation, vol.10, no.8, pp.928-929, 2003 (SCI-Expanded)
- XCV. Is the cell death in mesial temporal sclerosis apoptotic?**
UYSAL H., Cevik I. U., Soylemezoglu F., ELİBOL B., OZDEMİR Y. G., EVRENKAYA T., SAYGI S., DALKARA T.
Epilepsia, vol.44, no.6, pp.778-784, 2003 (SCI-Expanded)
- XCVI. Mechanisms, challenges and opportunities in stroke**
Lo E., Dalkara T., Moskowitz M.
NATURE REVIEWS NEUROSCIENCE, vol.4, no.5, pp.399-415, 2003 (SCI-Expanded)
- XCVII. Neuronal Death in Mesial Temporal Sclerosis: Separating Morphology from Mechanism [4] (multiple letters)**
Fujikawa D. G., DALKARA T.
Epilepsia, vol.44, no.12, pp.1607, 2003 (SCI-Expanded)
- XCVIII. Neuroscience data and tool sharing: A legal and policy framework for neuroinformatics**
Eckersley P., Egan G. F., Amari S., Beltrame F., Bennett R., Bjaalie J. G., DALKARA T., De Schutter E., Gonzalez C., Grillner S., et al.
Neuroinformatics, vol.1, no.2, pp.149-165, 2003 (SCI-Expanded)
- XCIX. Transcorneal stimulation of trigeminal nerve afferents to increase cerebral blood flow in rats with cerebral vasospasm: a noninvasive method to activate the trigeminovascular reflex**
Atalay B., Bolay H., Dalkara T., Soylemezoglu F., Oge K., Ozcan O.
JOURNAL OF NEUROSURGERY, vol.97, no.5, pp.1179-1183, 2002 (SCI-Expanded)
- C. Nitric oxide may contribute to the long-term impairment of synaptic transmission after transient ischemia [4] (multiple letters)**
Mongin A., BELEN H. B., DALKARA T.
Stroke, vol.33, no.10, pp.2348-2350, 2002 (SCI-Expanded)
- CI. Persistent defect in transmitter release and synapsin phosphorylation in cerebral cortex after transient moderate ischemic injury**
Bolay H., GURSOY-OZDEMİR Y., Sara Y., Onur R., Can A., Dalkara T.
STROKE, vol.33, no.5, pp.1369-1375, 2002 (SCI-Expanded)
- CII. Spleen damage in endotoxaemic mice: The involvement of nitric oxide**
YILMAZ G., GURSOY-OZDEMİR Y., DOĞAN A., GÜRDAL H., Gedikoglu G., DALKARA T., Guc M. O.
Journal of Physiology and Pharmacology, vol.52, no.4 II, pp.729-744, 2001 (SCI-Expanded)
- CIII. Chronic daily administration of selegiline and EGb 761 increases brain's resistance to ischemia in mice**
Ünal I., GURSOY-OZDEMİR Y., BOLAY H., Söylemezoğlu F., SARBAŞ O., DALKARA T.
Brain Research, vol.917, no.2, pp.174-181, 2001 (SCI-Expanded)
- CIV. Nitric oxide is involved in ischemia-induced apoptosis in brain: A study in neuronal nitric oxide synthase null mice**
ELİBOL B., Söylemezoglu F., Ünal I., FUJII M., HIRT L., HUANG P., MOSKOWITZ M., DALKARA T.
Neuroscience, vol.105, no.1, pp.79-86, 2001 (SCI-Expanded)
- CV. Association of nitric oxide production and apoptosis in a model of experimental nephropathy.**
OZEN S., USTA Y., Sahin-Erdemli I., ORHAN D., GUMUSEL B., YANG B., GURSOY Y., TULUNAY O., DALKARA T., BAKKALOĞLU A., et al.
Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association, vol.16, pp.32-8, 2001 (SCI-Expanded)

- CVI. **Synergistic protective effect of caspase inhibitors and bFGF against brain injury induced by transient focal ischaemia**
Ma J, Qiu J, Hirt L, DALKARA T, Moskowitz M. A.
British Journal of Pharmacology, vol.133, no.3, pp.345-350, 2001 (SCI-Expanded)
- CVII. **Altered mechanisms of motor-evoked potential generation after transient focal cerebral ischemia in the rat: Implications for transcranial magnetic stimulation**
BOLAY H, GURSOY-OZDEMIR Y, Ünal I, DALKARA T.
Brain Research, vol.873, no.1, pp.26-33, 2000 (SCI-Expanded)
- CVIII. **Role of endothelial nitric oxide generation and peroxynitrite formation in reperfusion injury after focal cerebral ischemia**
Gursoy-Ozdemir Y, Bolay H, Saribas O, Dalkara T.
STROKE, vol.31, no.8, pp.1974-1980, 2000 (SCI-Expanded)
- CIX. **Endothelial nitric oxide synthase-dependent cerebral blood flow augmentation by L-arginine after chronic statin treatment**
Yamada M, Huang Z, Dalkara T, Endres M, Laufs U, Waeber C, Huang P, Liao J, Moskowitz M.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.20, no.4, pp.709-717, 2000 (SCI-Expanded)
- CX. **In vitro/in vivo studies on a buccal bioadhesive tablet formulation of carbamazepine**
İKİNCİ G, ÇAPAN Y, ŞENEL S, Alaaddinoglu E, DALKARA T, Hincal A.
Pharmazie, vol.55, no.10, pp.762-765, 2000 (SCI-Expanded)
- CXI. **Compartmental changes in expression of c-Fos and FosB proteins in intact and dopamine-depleted striatum after chronic apomorphine treatment**
Saka E, ELİBOL B, ERDEM ÖZDAMAR S, Dalkara T.
Brain Research, vol.825, no.1-2, pp.104-114, 1999 (SCI-Expanded)
- CXII. **Occlusion of the MCA by an intraluminal filament may cause disturbances in the hippocampal blood flow due to anomalies of circle of Willis and filament thickness**
Gürsoy Özdemir Y, BELEN H. B., Erdem E., DALKARA T.
Brain Research, vol.822, no.1-2, pp.260-264, 1999 (SCI-Expanded)
- CXIII. **Formulation and in vitro in vivo investigation of carbamazepine controlled-release matrix tablets**
Ikinci G., Capan Y., Senel S., Dalkara T., Hincal A.
PHARMAZIE, vol.54, no.2, pp.139-141, 1999 (SCI-Expanded)
- CXIV. **Pinelectomy aggravates and melatonin administration attenuates brain damage in focal ischemia**
Kilic E., Özdemir Y. G., BELEN H. B., Keleştimur H., DALKARA T.
Journal of Cerebral Blood Flow and Metabolism, vol.19, no.5, pp.511-516, 1999 (SCI-Expanded)
- CXV. **Apoptosis in brain biopsies of subacute sclerosing panencephalitis patients**
Anlar B., Söylemezoğlu F., ELİBOL B., DALKARA T., AYSÜN S., Kose G., Belen D., Yalaz K.
Neuropediatrics, vol.30, no.5, pp.239-242, 1999 (SCI-Expanded)
- CXVI. **Prolonged therapeutic window for ischemic brain damage caused by delayed caspase activation**
Fink K, Zhu J, Namura S, Shimizu-Sasamata M, Endres M, Ma J, DALKARA T, Yuan J, Moskowitz M. A.
Journal of Cerebral Blood Flow and Metabolism, vol.18, no.10, pp.1071-1076, 1998 (SCI-Expanded)
- CXVII. **Mechanisms of motor dysfunction after transient MCA occlusion: Persistent transmission failure in cortical synapses is a major determinant**
BELEN H. B., DALKARA T.
Stroke, vol.29, no.9, pp.1988-1993, 1998 (SCI-Expanded)
- CXVIII. **Mechanisms of NO neurotoxicity**
DALKARA T., Endres M., Moskowitz M.
Progress in Brain Research, vol.118, pp.231-239, 1998 (SCI-Expanded)
- CXIX. **Monitoring cellular edema at single-neuron level by electrical resistance measurements**
DEMİRCİ M., Ayata C., DALKARA T., Erdemli G., ONUR M. R.
Journal of Neuroscience Methods, vol.72, no.2, pp.175-181, 1997 (SCI-Expanded)
- CXX. **Opportunities for collective wisdom in stroke research**
Moskowitz M. A., DALKARA T.

- Cerebrovascular Diseases, vol.7, no.6, pp.313-314, 1997 (SCI-Expanded)
- CXXI. **HIGH-DOSE ANTICHOLINERGIC THERAPY (BIPERIDEN) IN DYSTONIA**
OZTEKIN N., SAYGI S., DALKARA T., SENSES I., ZILELI T.
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.93, no.1, pp.35-37, 1991 (SCI-Expanded)
- CXXII. **ELECTROPHYSIOLOGICAL EVIDENCE FOR ACTIVATION OF NMDA RECEPTORS AND ITS ANTAGONISM BY MK-801 IN CEREBRAL-ISCHEMIA**
DALKARA T., TAN E., ERDEMLI G., ONUR R., ZILELI T.
BRAIN RESEARCH, vol.532, pp.101-106, 1990 (SCI-Expanded)
- CXXIII. **GLUTAMATE AND GLYCINE INDUCE A NEGATIVE WAVE ON HIPPOCAMPAL FIELD RESPONSE THROUGH NMDA RECEPTORS**
ERDEMLI G., DALKARA T., ONUR R.
BRAIN RESEARCH, vol.514, no.2, pp.293-299, 1990 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Inhibition of Perisynaptic Astrocyte Glycogen Utilization on Depression-Like Behavior**
Sinaptik Enerji Kaynağı Glikojenin Kullanımının Engellenmesinin Depresyon-benzeri Davranışlara Etkisi
Erk E. E., Demir B. N., Kurşun H. K., Özkan M., DALKARA T., Koçak E. E.
Turk psikiyatri dergisi = Turkish journal of psychiatry, vol.34, no.4, pp.272-281, 2023 (Scopus)
- II. **The effect of carotid artery stenting on capillary transit time heterogeneity in patients with carotid artery stenosis**
Arsava E. M., Hansen M. B., KAPLAN B., PEKER A., GÖÇMEN R., ARAT A., Oguz K. K., TOPÇUOĞLU M. A., Ostergaard L., DALKARA T.
EUROPEAN STROKE JOURNAL, vol.3, no.3, pp.263-271, 2018 (ESCI)
- III. **Data of ascending cortical vein occlusion induced spreading depression**
Donmez-Demir B. N., Yemisci M., DALKARA T.
DATA IN BRIEF, vol.18, pp.1462-1465, 2018 (ESCI)
- IV. **Data of indirect immunofluorescence labeling of the mouse brain sections with sera from SLE and MS patients.**
ÇOLPAK IŞIKAY A. İ., Balci-Peynircioglu B., CAN A., Gursoy-Ozdemir Y., LÜLE S., KALYONCU U., DALKARA T.
Data in brief, vol.15, pp.170-173, 2017 (Scopus)
- V. **Preparation and characterization of biocompatible chitosan nanoparticles for targeted brain delivery of peptides.**
Caban S., Capan Y., Couvreur P., Dalkara T.
Methods in molecular biology (Clifton, N.J.), vol.846, pp.321-32, 2012 (Scopus)
- VI. **A Case of High-Grade Basilar Artery Stenosis with Spontaneous Recovery**
Arsava E. M., Saribas O., Cekirge S., DALKARA T.
TURKISH JOURNAL OF NEUROLOGY, vol.15, no.2, pp.78-81, 2009 (ESCI)
- VII. **DARWIN YEAR: Is it a Challenge to Our Beliefs or an Opportunity to Familiarize Ourselves with Scientific Thinking?**
DALKARA T.
TURKISH JOURNAL OF NEUROLOGY, vol.15, no.2, pp.51-53, 2009 (ESCI)
- VIII. **Neuroinformatics: the integration of shared databases and tools towards integrative neuroscience.**
Amari S., Beltrame F., Bjaalie J. G., DALKARA T., De Schutter E., Egan G. F., Goddard N. H., Gonzalez C., Grillner S., Herz A., et al.
Journal of integrative neuroscience, vol.1, no.2, pp.117-128, 2002 (Scopus)
- IX. **Recent developments in experimental stroke**
DALKARA T., Moskowitz M.
NeuroScience News, vol.2, no.5, pp.20-27, 1999 (Scopus)

- X. **Neurotoxic and neuroprotective roles of nitric oxide in cerebral ischaemia.**
Dalkara T., Moskowitz M. A.
International review of neurobiology, vol.40, pp.319-36, 1997 (Scopus)
- XI. **Effects of Cerebral Ischemia on N-Methyl-D-Aspartate and Dihydropyridine-Sensitive Calcium Currents: An Electrophysiological Study in the Rat Hippocampus in Situ**
DALKARA T., Ayata C., DEMİRCİ M., Erdemli G., ONUR M. R.
Stroke, vol.27, no.1, pp.127-133, 1996 (Scopus)
- XII. **Nitric oxide and cerebral ischemia.**
Moskowitz M. A., Dalkara T.
Advances in neurology, vol.71, 1996 (Scopus)
- XIII. **Use of mice in studies of brain microcirculation [2]**
Rosenblum W., Moskowitz M., DALKARA T.
Journal of Cerebral Blood Flow and Metabolism, vol.16, no.4, pp.752-753, 1996 (Scopus)
- XIV. **Attenuated hippocampal damage after global cerebral ischemia in mice mutant in neuronal nitric oxide synthase**
Panahian N., Yoshida T., Huang P., Hedley-Whyte E., DALKARA T., Fishman M., Moskowitz M.
Neuroscience, vol.72, no.2, pp.343-354, 1996 (Scopus)
- XV. **Cerebrovascular alterations in mice lacking neuronal nitric oxide synthase gene expression**
Irikura K., Huang P. L., Ma J., Lee W. S., DALKARA T., Fishman M. C., Dawson T. M., Snyder S. H., Moskowitz M. A.
Proceedings of the National Academy of Sciences of the United States of America, vol.92, no.15, pp.6823-6827, 1995 (Scopus)
- XVI. **Cerebrovascular responses under controlled and monitored physiological conditions in the anesthetized mouse**
DALKARA T., Irikura K., Huang Z., Panahian N., Moskowitz M.
Journal of Cerebral Blood Flow and Metabolism, vol.15, no.4, pp.631-638, 1995 (Scopus)
- XVII. **Formulation and in Vitro-in Vivo Evaluation of Buccoadhesive Morphine Sulfate Tablets**
Anlar Ş., ÇAPAN Y., Güven O., GÖĞÜŞ A., DALKARA T., Hincal A.
Pharmaceutical Research: An Official Journal of the American Association of Pharmaceutical Scientists, vol.11, no.2, pp.231-236, 1994 (Scopus)
- XVIII. **L-arginine infusion promotes nitric oxide-dependent vasodilation, increases regional cerebral blood flow, and reduces infarction volume in the rat**
Morikawa E., Moskowitz M. A., Huang Z., Yoshida T., Irikura K., DALKARA T.
Stroke, vol.25, no.2, pp.429-435, 1994 (Scopus)
- XIX. **Dual role of nitric oxide in focal cerebral ischemia**
DALKARA T., Yoshida T., Irikura K., Moskowitz M.
Neuropharmacology, vol.33, no.11, pp.1447-1452, 1994 (Scopus)
- XX. **The Complex Role of Nitric Oxide in the Pathophysiology of Focal Cerebral Ischemia**
DALKARA T., Moskowitz M. A.
Brain Pathology, vol.4, no.1, pp.49-57, 1994 (Scopus)
- XXI. **Editorial comment**
Moskowitz M. A., DALKARA T.
Stroke, vol.25, no.4, pp.885, 1994 (Scopus)
- XXII. **Blood flow-dependent functional recovery in a rat model of focal cerebral ischemia**
DALKARA T., Morikawa E., Panahian N., Moskowitz M.
American Journal of Physiology - Heart and Circulatory Physiology, vol.267, no.2 36-2, 1994 (Scopus)
- XXIII. **Effects of cerebral ischemia in mice deficient in neuronal nitric oxide synthase**
Huang Z., Huang P. L., Panahian N., DALKARA T., Fishman M. C., Moskowitz M. A.
Science, vol.265, no.5180, pp.1883-1885, 1994 (Scopus)
- XXIV. **Myasthenia gravis and vitiligo [4]**
Topaktas S., Dener S., Kenis M., DALKARA T.
Muscle and Nerve, vol.16, no.5, pp.566-567, 1993 (Scopus)

- XXV. **Myasthenia gravis and primary squamous cell carcinoma of the thymus**
Sungur A., Ruacan S., Gungen Y., DALKARA T.
Archives of Pathology and Laboratory Medicine, vol.117, no.9, pp.937-938, 1993 (Scopus)
- XXVI. **Glycine is required for NMDA receptor activation: electrophysiological evidence from intact rat hippocampus**
DALKARA T., Erdemli G., Barun S., ONUR M. R.
Brain Research, vol.576, no.2, pp.197-202, 1992 (Scopus)
- XXVII. **Intrathymic injection of D-penicillamine does not induce myasthenia-like disorder in the mouse and rat [1]**
Topaktas S., DALKARA T., ONUR M. R., Ruacan S.
Muscle and Nerve, vol.15, no.11, pp.1299-1300, 1992 (Scopus)
- XXVIII. **Formulation, Bioavailability, and Pharmacokinetics of Sustained-Release Potassium Chloride Tablets**
ŞENEL S., ÇAPAN Y., DALKARA T., İnanç N., Hincal A. A.
Pharmaceutical Research: An Official Journal of the American Association of Pharmaceutical Scientists, vol.8, no.10, pp.1313-1317, 1991 (Scopus)
- XXIX. **Acute idiopathic demyelinating polyneuropathy: Passive transfer to mice by immunoglobulin**
DALKARA T., Onurt R., Subutay N., Ünolt B., Kucukal T., Erbenli T., Zileli T.
NeuroReport, vol.1, no.2, pp.145-148, 1990 (Scopus)
- XXX. **Glutamate, without GABA antagonists, induces synchronized discharges in intact hippocampus via NMDA receptors**
DALKARA T., Sofuoğlu M., ONUR M. R.
Brain Research, vol.498, no.1, pp.123-130, 1989 (Scopus)
- XXXI. **Intravenously and iontophoretically administered naloxone reverses ischemic changes in rat hippocampus**
DALKARA T., Namer I. J., ONUR M. R., Zileli T.
Stroke, vol.20, no.8, pp.1059-1064, 1989 (Scopus)
- XXXII. **Pupillary dysfunction in myasthenia gravis. Possible involvement of ciliary ganglion**
DALKARA T., Kansu T., Kayaalp O., Zileli T.
Hacettepe Medical Journal, vol.21, no.4, pp.269-274, 1988 (Scopus)
- XXXIII. **Facilitatory effects of dexamethasone on neuromuscular transmission**
DALKARA T., ONUR M. R.
Experimental Neurology, vol.95, no.1, pp.116-125, 1987 (Scopus)
- XXXIV. **Calcium channel blockers and essential tremor**
Topaktas S., ONUR M. R., DALKARA T.
European Neurology, vol.27, no.2, pp.114-119, 1987 (Scopus)
- XXXV. **Iontophoretic studies on rat hippocampus with some novel GABA antagonists**
DALKARA T., Saederup E., Squires R. F., Krnjević K.
Life Sciences, vol.39, no.5, pp.415-422, 1986 (Scopus)
- XXXVI. **Nipicotic acid, an uptake blocker, prevents fading of the γ -aminobutyric acid effect**
DALKARA T.
Brain Research, vol.366, no.1-2, pp.314-319, 1986 (Scopus)
- XXXVII. **Ephaptically generated potentials in CA1 neurons of rat's hippocampus in situ**
Yim C., Krnjević K., DALKARA T.
Journal of Neurophysiology, vol.56, no.1, pp.99-122, 1986 (Scopus)
- XXXVIII. **Synchronization of pyramidal cell firing by ephaptic currents in hippocampus in situ.**
Krnjević K., DALKARA T., Yim C.
Advances in experimental medicine and biology, vol.203, pp.413-423, 1986 (Scopus)
- XXXIX. **Chemical modulation of ephaptic activation of CA3 hippocampal pyramids**
DALKARA T., Krnjević K., Ropert N., Yim C.
Neuroscience, vol.17, no.2, pp.361-370, 1986 (Scopus)
- XL. **The effects of myasthenic immunoglobulins on neuromuscular transmission and thymus histology in**

mice

DALKARA T., ONUR M. R., Ruacan Ş. A., Topaktaş S.
Neurology, vol.33, no.10, pp.1356-1359, 1983 (Scopus)

Books & Book Chapters

I. Pericytes in Retinal Ischemia

Alarcon-Martinez L., KÜRELİ G., DALKARA T.

in: Biology of Pericytes – Recent Advances, Stem Cell Biology and Regenerative Medicine 68, Alexander Birbrair, Editor, Springer Nature Switzerland AG 2021, pp.125-144, 2021

II. İnme

Topcuoglu M. A., DALKARA T.

in: Nöroloji Ders Kitabı, , Editor, Hacettepe Üniversitesi, Ankara, pp.245-273, 2019

III. Nörolojik Hastalıkların Mekanizmaları

KARATAŞ KURŞUN H., DALKARA T.

in: Nöroloji Ders Kitabı, , Editor, Hacettepe Üniversitesi, Ankara, pp.14-18, 2019

IV. Pericytes in Ischemic Stroke.

DALKARA T., Alarcon-Martinez L., YEMİŞCİ ÖZKAN M.

in: Pericyte Biology in Disease, Alexander Birbrair, Editor, Springer, pp.189-213, 2019

V. Fizyopatoloji Temelinde Migren Tedavisi

ERDENER Ş. E., DALKARA T.

in: BAŞAĞRISI TANI VE TEDAVİ GÜNCEL YAKLAŞIMLAR, , Editor, Türk Nöroloji Derneği, 2018

VI. The Now and Tomorrow of Migraine Treatments

ERDENER Ş. E., DALKARA T.

in: Frontiers in Clinical Drug Research - CNS and Neurological Disorders, , Editor, Bentham Science, 2015

VII. Ağrı Patofizyolojisi ve Mekanizmaları

ÜNAL ÇEVİK I., DALKARA T.

in: Analjezik ve antiinflatuar ilaçların akılcı kullanımı, Y. Gökçe-Kutsal, Editor, Ankara Tabibler Odası Yayınları, 1999

Refereed Congress / Symposium Publications in Proceedings

I. Kronik stresin bellek üzerine etkileri dişi ile erkek farelerde farklı mı?

ESEN E. C., YALÇIN ÇAKMAKLI G., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T., ELİBOL B., EREN KOÇAK E.

Ulusal Sinirbilim Kongresi, Turkey, 07 November 2020

II. The Role of AAV-Mediated FGF-AS Overexpression in Neuroinflammation in Rat Hippocampus

Uzay B., DALKARA T., EREN KOÇAK E.

75th Annual Scientific Convention and Meeting of the Society-of-Biological-Psychiatry (SOBP), New York, United States Of America, 30 April - 02 May 2020, vol.87

III. The role of 12/15 lipoxygenase inhibition on stroke induced neuroinflammation

ÇAKIR AKTAŞ C., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., DALKARA T., BODUR E., van Leyen K., KARATAŞ KURŞUN H.
Society for Neuroscience, 19 - 23 October 2019

IV. Cerebral peri-microvascular glycogen utilization has a role in endothelium-pericyte interaction in mice

URUK G., YILMAZ ÖZCAN S., DEMİR B. N., KARATAŞ KURŞUN H., EREN KOÇAK E., DURAN J., GUINOVART J., DALKARA T., YEMİŞCİ ÖZKAN M.

Society for Neuroscience, chicago, United States Of America, 19 - 23 October 2019

V. Resolution of neuroinflammation triggered by cortical spreading depression

KAYA Z., BELDER N., YILMAZ ÖZCAN S., DEMİR B. N., EREN KOÇAK E., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T.

Society for Neurosciency, Chicago, United States Of America, 19 - 23 October 2019

- VI. **Parenchymal neuroinflammation in familial hemiplegic migraine type 1 transgenic mice after cortical spreading depolarization**
Dehghani A., Phisonkunkasem T., Ozcan S. Y., Tolner E. A., DALKARA T., van den Maagdenberg A. M. J. M., KARATAŞ KURŞUN H.
19th International Headache Congress of International-Headache-Society, Dublin, Ireland, 5 - 08 September 2019, vol.39, pp.147
- VII. **Inhibition of retinal and cerebral microvascular glycogen utilization promotes capillary constrictions in mice**
Yemisci M., Uruk G., Yilmaz-Ozcan S., Donmez-Demir B., Karatas-Kursun H., Eren-Kocak E., DALKARA T.
29th International Symposium on Cerebral Blood Flow, Metabolism and Function / 14th International Conference on Quantification of Brain Function with PET (BRAIN and BRAIN Pet), Yokohama, Japan, 4 - 07 July 2019, vol.39, pp.288-289
- VIII. **Cortical spreading depression induces expression of BDNF and pro-BDNF proteins, which may impact neuroinflammation**
Yemisci M., Senel B., Yilmaz-Ozcan S., Donmez-Demir B., Karatas-Kursun H., Eren-Kocak E., DALKARA T.
29th International Symposium on Cerebral Blood Flow, Metabolism and Function / 14th International Conference on Quantification of Brain Function with PET (BRAIN and BRAIN Pet), Yokohama, Japan, 4 - 07 July 2019, vol.39, pp.519-520
- IX. **Molecular Motor Mechanism of Contraction in Central Nervous System Pericytes**
KÜRELİ G., YILMAZ ÖZCAN S., CAN A., DEMİR B. N., YEMİŞCİ ÖZKAN M., KARATAŞ KURŞUN H., EREN KOÇAK E., DALKARA T.
17. Ulusal Sinirbilim Kongresi, Trabzon, Turkey, 04 April 2019
- X. **Merkezi sinir sistemi perisitlerinde kasılmanın moleküler mekanizması**
KÜRELİ G., YILMAZ ÖZCAN S., CAN A., DEMİR B. N., YEMİŞCİ ÖZKAN M., KARATAŞ KURŞUN H., EREN KOÇAK E., DALKARA T.
17. Ulusal Sinirbilim Kongresi, Turkey, 4 - 07 April 2019
- XI. **Hippocampal FGF Antisense Overexpression Increase Depressionlike Behavior in the Rat**
uzay b., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T., EREN KOÇAK E.
31st ECNP Congress of Applied and Translational Neuroscience, 6 - 09 October 2018, vol.29, pp.369-370
- XII. **Hippocampal FGF-antisense overexpression increase depression-like behaviour in the rat**
Uzay B., Karatas-Kursun H., Yemisci M., DALKARA T., Eren-Kocak E.
31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29
- XIII. **Lipooksijenaz inhibisyonunun kalıcı serebral iskemi modelinde oluşan nöroinflamasyon üzerine etkisi**
Canan A. Ç., BODUR E., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., Van Leyen K., DALKARA T., KARATAŞ KURŞUN H.
16. ULUSAL SİNİRBİLİM KONGRESİ, 20-23 Mayıs 2018, İTÜ Ayazağa Kampüsü, İstanbul, İstanbul, Turkey, 20 - 23 May 2018
- XIV. **Effect of Hippocampal Overexpression of a Natural Antisense protein, FGFAS, on Learning and Memory**
uzay b., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T., EREN KOÇAK E.
73rd Annual Meeting of Society of Biological Psychiatry, 10 May 2018
- XV. **Migren Araştırmaları için yeni bir kortikal yayılan depresyona yatkınlık modeli: Na-K ATPaz A-2 RNA İnterferansı**
TAŞKIRAN SAĞ A., Yılmaz Özcan S., KARATAŞ KURŞUN H., DEMİR B. N., Hanalioğlu Ş., EREN KOÇAK E., DALKARA T.
53. Ulusal Nöroloji Kongresi, Turkey, 25 - 29 November 2017
- XVI. **Fluorescent biomarkers as reporters of poor quality transcardial perfusion-fixation in frozen brain sections: A much needed tool for experimental neuroscience.**

Dehghani A., KARATAŞ KURŞUN H., CAN A., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., DALKARA T.

Society for Neuroscience Annual Meeting, 11 - 15 November 2017

- XVII. In vivo alpha-smooth muscle actin down regulation by small interfering RNA reduces pericyte contraction in the brain and retina of mice**
Yilmaz-Ozcan S., -Martinez L. A., Donmez-Demir B., DALKARA T., Yemisci M.
23rd World Congress of Neurology (WCN), Kyoto, Japan, 16 - 21 September 2017, vol.381, pp.1126-1127
- XVIII. 12/15 lipoxygenase inhibition suppresses neuroinflammation in a thrombotic permanent cerebral ischemia model**
Cakir-Aktas C., Yemisci M., BODUR E., Eren-Kocak E., van Leyen K., DALKARA T., Kursun H. K.
23rd World Congress of Neurology (WCN), Kyoto, Japan, 16 - 21 September 2017, vol.381, pp.863-864
- XIX. Fibroblast growth factor-antisense overexpression in medial prefrontal cortex regulates anxiety-like behaviour in rats**
KOÇAK E., Hokelekli F. O., Karatas-Kursun H., Yemisci M., DALKARA T.
30th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Paris, France, 2 - 05 September 2017, vol.27
- XX. 12/15 Lipoxygenase Inhibition Suppresses Neuroinflammation in a Thrombotic Permanent Cerebral Ischemia Model**
Çakır Aktaş C., YEMİŞCİ ÖZKAN M., BODUR E., EREN KOÇAK E., van L. K., DALKARA T., KARATAŞ KURŞUN H.
WCN 2017, Kyoto, Japan, 16 - 22 September 2017, vol.381, pp.863-864
- XXI. In vivo alpha-smooth muscle actin down regulation by small interfering RNA reduces pericyte contraction in the brain and retina.**
YILMAZ ÖZCAN S., Alarcon Martinez L., DEMİR B. N., DALKARA T., YEMİŞCİ ÖZKAN M.
World Congress of Neurology, 16 - 21 September 2017
- XXII. FGF-AS Overexpression in Medial Prefrontal Cortex Regulates Anxiety-like Behavior in Rats**
EREN KOÇAK E., HÖKELEKLİ F. Ö., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T.
30th ECNP Congress, 2 - 05 September 2017
- XXIII. The Effect of NUDT6 Expression on Contextual Learning Assessed by Passive Avoidance Test**
Hökelekli F. Ö., Yılmaz M., ESEN E. C., BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
Annual Meeting of American Psychiatric Association, 20 - 24 May 2017
- XXIV. CAROTID ARTERY STENTING IMPROVES CAPILLARY TRANSIT TIME HETEROGENEITY IN PATIENTS WITH CAROTID ARTERY STENOSIS**
ARSAVA E. M., HANSEN M., KAPLAN B., ARAT A., PEKER A., GÖÇMEN R., KARLI OĞUZ H. K., TOPÇUOĞLU M. A., L O., DALKARA T.
3rd European Stroke Organisation Conference (ESOC 2017)v, Czech Republic, 16 - 18 May 2017, vol.2, pp.98-476
- XXV. Investigation of a marker for the quality of transcatheter perfusion in frozen brain sections in mice**
Dehghani A., KARATAŞ KURŞUN H., CAN A., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., DALKARA T.
15. Ulusal Sinirbilim Kongresi, 7 - 10 May 2017, vol.11, pp.35
- XXVI. Lipoksijenaz İnhibisyonunun Akut Geçici Serebral İskemi/Rekanalizasyon Modelinde Gelişen Nöroinflamasyona Etkisi**
çakır aktaş C., YEMİŞCİ ÖZKAN M., BODUR E., EREN KOÇAK E., van Leyen K., DALKARA T., KARATAŞ KURŞUN H.
15.Ulusal Sinirbilim Kongresi, 7 - 10 May 2017
- XXVII. NUDT6 Aşırı İfadesi ile Dendritik Çıkıntı Sayısı İlişkisi**
Hökelekli F. Ö., Yılmaz M., ESEN E. C., BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
15. Ulusal Sinirbilim Kongresi, 7 - 10 May 2017
- XXVIII. Role of a Natural Antisense Transcript, FGF2-AS, in Affective Behavior**
Hokelekli F. O., YILMAZ M., BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
72nd Annual Scientific Convention and Meeting of the Society-of-Biological-Psychiatry (SOBP), California, United States Of America, 18 - 20 May 2017, vol.81
- XXIX. Effect of stroke on cerebral proteinopathies**
YEMİŞCİ ÖZKAN M., Bolbos R., Langlois J. B., Uruk G., YILMAZ ÖZCAN S., Cho T. H., Wiart M., Canet Soulas E., DALKARA T., Zimmer L., et al.

European Molecular Imaging Meeting, 5 - 07 April 2017

- XXX. **Interaction Between Stroke and Cerebral Proteinopathies: An Experimental Study**
YEMİŞCİ ÖZKAN M., bolbos r., Langlois J. B., Uruk G., YILMAZ ÖZCAN S., Cho T. H., Wiart M., DALKARA T., Zimmer L., Chauveau F.
13th International Conference on Alzheimer's and Parkinson's Diseases, 29 March - 02 April 2017
- XXXI. **Cortical spreading depression-induced prolonged oligemia can cause ischemic lesions at hemodynamically vulnerable border zones**
Donmez-Demir B., Yemisci M., Uruk G., Kazmi S., DALKARA T.
28th International Symposium on Cerebral Blood Flow, Metabolism and Function / 13th International Conference on Quantification of Brain Function with PET, Berlin, Germany, 1 - 04 April 2017, vol.37, pp.199-200
- XXXII. **Assessment of pain in mouse facial images Fare Yüzü Görüntülerinde Agri Derecelendirilmesi**
Eral M., Aktas C., Kocak E. E., DALKARA T., HALICI U.
20th National Biomedical Engineering Meeting, BIYOMUT 2016, İzmir, Turkey, 3 - 05 December 2016
- XXXIII. **Differential analysis of oxygen radical formation in vasculature and parenchyma and its suppression by a nitron PBN in an experimental model of ischemia reperfusion by intravital fluorescence microscopy**
TAŞKIRAN SAĞ A., YEMİŞCİ ÖZKAN M., ÖZDEMİR Y., Erdener E. Ş., YÜCE D., DALKARA T.
Society for Neuroscience 2016 Annual Meeting, 12 - 16 November 2016
- XXXIV. **Whisker stimulation can induce cortical spreading depression in pharmacologically primed mouse brain**
Hanalioglu S., Taskiran Sag A., KARATAŞ KURŞUN H., Eren Kocak E., Yemisci Ozkan M., Gursoy Ozdemir Y., DALKARA T.
Neuroscience 2016 (SfN), 12 - 16 November 2016
- XXXV. **Differential analysis of oxygen radical formation in vasculature and parenchyma**
taskiran sag a., YEMİŞCİ ÖZKAN M., Gursoy Ozdemir Y., erdener e., Yüce D., DALKARA T.
Society for Neuroscience Annual Meeting, 9 - 13 November 2016
- XXXVI. **Cortical spreading depression can be triggered by photic stimulation in susceptible mouse brain**
Hanalioglu S., Taskiran Sag A., KARATAŞ KURŞUN H., Eren Kocak E., Yemisci Ozkan M., GURSOY ÖZDEMİR Y., DALKARA T.
FENS, 2 - 06 July 2016
- XXXVII. **PERICYTES ON MICROVESSELS PREVENT COMPLETE REPERFUSION AFTER RETINAL ISCHEMIA**
Alarcon-Martinez L., Yemisci M., Schallek J., Kilic K., DALKARA T.
27th International Symposium on Cerebral Blood Flow, Metabolism and Function / 12th International Conference on Quantification of Brain Function with PET, Vancouver, Canada, 27 - 30 June 2015, vol.36, pp.512-513
- XXXVIII. **Assesment of Pain in Mouse Facial Images**
Eral M., ÇAKIR AKTAŞ C., Kocak E. E., DALKARA T., HALICI U.
20th National Biomedical Engineering Meeting (BIYOMUT), İzmir, Turkey, 3 - 05 November 2016
- XXXIX. **Cortical spreading depression induces hemodynamic mini strokes A potential cause of white matter lesions in migraine**
DÖNMEZ DEMİR B., YEMİŞCİ ÖZKAN M., KILIÇ K., ÖZDEMİR Y., MOSKOWITZ M., DALKARA T.
Society for Neuroscience SFN Annual Meeting of Society for Neuroscience, 17 - 21 October 2015
- XL. **Ischemia reperfusion injury leads to upregulation of contractile proteins of pericytes**
YILMAZ ÖZCAN S., ALARCON MARTINEZ L., DÖNMEZ DEMİR B., DALKARA T., YEMİŞCİ ÖZKAN M.
Society for Neuroscience SFN Annual Meeting of Society for Neuroscience, 17 - 21 October 2015
- XLI. **Cortical spreading depression induces hemodynamic mini strokes A potential cause of white matter lesions in migraine**
B D. D., YEMİŞCİ ÖZKAN M., K K., Y G. O., M M., DALKARA T.
Annual Meeting of Society of Neuroscience, 01 October 2015
- XLII. **Supraphysiological whisker stimulation initiates an inflammatory response in the mouse barrel cortex in vivo**
KARATAŞ KURŞUN H., DEMİR B. N., DALKARA T.

9. World Congress of Neuroscience, 7 - 11 July 2015

XLIII. Pericytes On Brain And Retinal Capillaries Do Express Alpha Smooth Muscle Actin

YEMİŐCİ ÖZKAN M., ALARCON MARTINEZ L., YILMAZ ÖZCAN S., TAŐKIRAN SAĐ A., DÖNMEZ DEMİR B., DALKARA T.

9th World Congress, International Brain Research Organisation, 7 - 11 July 2015

XLIV. Iskemi/reperfüzyon modelinde N-tertbütülfenilnitronun vasküler ve parenkimal kaynaklı oksijen radikali oluşumuna etkisi

TAŐKIRAN SAĐ A., ÖZDEMİR Y., ERDENER Ő. E., YEMİŐCİ ÖZKAN M., DALKARA T.

12. Ulusal Sinirbilim Kongresi, Turkey, 28 - 31 May 2014

XLV. Acute Stress Triggers Migraine Aura Through alpha 2 Adrenergic Receptors

Eser H. Y., Kocak E. E., Demir B., DALKARA T.

69th Annual Scientific Convention and Meeting of the Society-of-Biological-Psychiatry, New York, United States Of America, 01 January 2014, vol.75

XLVI. The role of FGF2 AS in stress and depression like behavior in rats

EREN KOŐAK E., BAŐAR K., YILMAZ M., AYHAN Y., DALKARA T.

Annual Meeting of Society for Neuroscience, San Diego, United States Of America, 9 - 13 November 2013

XLVII. Effects of chronic electroconvulsive shock on glycogen synthase kinase 3 beta protein level and phosphorylation pattern in hippocampus and frontal lobe

BAŐAR K., EREN KOŐAK E., DALKARA T., REZAKİ M.

15. CINP (International College of Neuropsychopharmacology) Congress, Őikago, United States Of America, 9 - 13 July 2006, vol.9, pp.178

XLVIII. Protective role of 27 bp deletion polymorphism in intron 4 of eNOS gene in cerebral small-vessel disease

Yemisci M., Sinici I., ÖZKARA H. A., HAYRAN K. M., ay h., ŐELTİKŐİ B., Onder E., DALKARA T.

FEBS JOURNAL, İstanbul, Turkey, 24 - 29 June 2006

XLIX. Tekrarlayan elektrokonvülsif nöbetler sonrası nukleus akumbenste BDNF immünoreaktivitesindeki deĐişimin incelenmesi

BAŐAR K., REZAKİ M., DALKARA T.

1. Ulusal Psikofarmakoloji Kongresi, İstanbul, Turkey, 14 - 17 December 2005

L. The effect of diazepam on performance of mice in forced swimming test

ERTUĐRUL A., BAŐAR K., REZAKİ M., DALKARA T.

4. Ulusal Sinirbilim Kongresi, Turkey, 29 March - 02 April 2005, vol.4, pp.36-37

LI. BDNF protein expression following repetitive electroconvulsive shocks in mouse nucleus accumbens

BAŐAR K., REZAKİ M., DALKARA T.

4. Ulusal Sinirbilim Kongresi, Turkey, 29 March - 02 April 2005, vol.4, pp.20

LII. Preparation and Characterization of Basic Fibroblast Growth Factor (bFGF)-Loaded Microparticulate Drug Delivery Systems,

ŐETİN M., ŐAPAN Y., VURAL İ., GÜRSOY R. N., DALKARA T., Cuine A., HINCAL A.

2004 AAPS Annual Meeting and Exposition, Maryland, United States Of America, 31 October 2004

Supported Projects

DALKARA T., YILMAZ ÖZCAN S., DEMİR B. N., KÜRELİ G., KARATAŐ KURŐUN H., EREN KOŐAK E., YEMİŐCİ ÖZKAN M., Project Supported by Higher Education Institutions, Merkezi Sinir Sistemi Perisitlerinde Kasılmanın Moleküler Motor Mekanizması, 2018 - 2021

DALKARA T., KAYA Z., YILMAZ ÖZCAN S., DEMİR B. N., EREN KOŐAK E., KARATAŐ KURŐUN H., YEMİŐCİ ÖZKAN M., Project Supported by Higher Education Institutions, Kortikal Yayılan Depresyonun TetiklediĐi Nöroinflamasyonun Çözülmesi ve Bunun Migren BaŐ Ağrısı Patofizyolojisindeki Yeri, 2017 - 2021

YEMİŐCİ ÖZKAN M., DEMİR B. N., KARATAŐ KURŐUN H., EREN KOŐAK E., YILMAZ ÖZCAN S., DALKARA T., ŐENEL B., Project Supported by Higher Education Institutions, Beyin Kökenli Nörotrofik Faktörün (BDNF) Erken Dönem

Nöroinflamasyona Etkileri, 2018 - 2020

KARATAŞ KURŞUN H., DALKARA T., Dehghani Mohammadi A., DEMİR B. N., YILMAZ ÖZCAN S., Project Supported by Higher Education Institutions, Kortikal yayılan depresyon familyal hemiplejik migren tip 1 transgenik farede artmış inflamazom aktivasyonuna neden olur, 2018 - 2020

KARATAŞ KURŞUN H., YILMAZ ÖZCAN S., DEMİR B. N., UZAY B., YEMİŞÇİ ÖZKAN M., EREN KOÇAK E., DALKARA T., Project Supported by Higher Education Institutions, Farede Optogenetik Olarak Tetiklenen Kortikal Yayılan Depresyon Dalgasının Subkortikal Yayılım Mekanizmalarının İncelenmesi, 2017 - 2020

DALKARA T., EREN KOÇAK E., YEMİŞÇİ ÖZKAN M., KARATAŞ KURŞUN H., TAŞKIRAN SAĞ A., ERDENER Ş. E., KAYA Z., Project Supported by Higher Education Institutions, İskemi/Reperfüzyon ve beyine hedeflendirilmiş ilaç taşıma sistemlerinin uygulanması sırasında serebral mikrosirkülasyon düzeyindeki değişikliklerin multi foton konfokal mikroskopi ile intravital incelenmesi, 2017 - 2020

DEMİR B. N., DALKARA T., YEMİŞÇİ ÖZKAN M., Project Supported by Higher Education Institutions, Fare beyinde tekrarlayan KYDlerin ve anestezinin doku histolojisi üzerine olası sonuçlarının incelenmesi, 2018 - 2019

DALKARA T., Project Supported by Higher Education Institutions, Nörobilim Derneğinin (society for neuroscience) yıllık bilimsel kongresine 2 bildiri ile katılım, 2017 - 2018

DALKARA T., Project Supported by Higher Education Institutions, Amerikan Başağrısı Derneğinin 59 Yıllık Bilimsel Toplantısı sırasında Massachussetts Genel Hastanesinde migrenin nörobiyolojik temelleri konulu yuvarlak masa tartışması, 2017 - 2018

TAŞKIRAN SAĞ A., YEMİŞÇİ ÖZKAN M., DALKARA T., Project Supported by Higher Education Institutions, Deneysel iskemik inme modelinde oksidatif hasarın hücrese düzeyde incelenmesi, 2017 - 2018

DALKARA T., KARATAŞ KURŞUN H., Project Supported by Higher Education Institutions, Fizyolojik Uyarılar ile Kortikal Yayılan Depresyonun (KYD) Oluşturulması, 2014 - 2016

DALKARA T., KARATAŞ KURŞUN H., Project Supported by Higher Education Institutions, Beyinde Glikojen Döngüsü Bozuklukları Kortikal Yayılan Depresyonu ve Migren Ataklarını Tetikleyebilir, 2013 - 2016

DALKARA T., Project Supported by Higher Education Institutions, Beyin ve retinada perisitlerin yetersiz mikrodolaşımın reperfüzyonundaki rolü, 2015 - 2015

DALKARA T., Project Supported by Higher Education Institutions, Kan damarları ve mikroembolizasyonun migrendeki rolü, 2015 - 2015

Metrics

Publication: 224

Citation (WoS): 5899

Citation (Scopus): 11164

H-Index (WoS): 33

H-Index (Scopus): 45

Non Academic Experience

TÜBİTAK

TÜBİTAK

TÜBİTAK