

## Prof. TURGAY DALKARA

### Personal Information

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### International Researcher IDs

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### 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

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

- LI. **Microvascular protection is essential for successful neuroprotection in stroke**  
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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 FeCl<sub>3</sub> 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.  
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- LVII. **The influence of N-desmethylclozapine and clozapine on recognition memory and BDNF expression in hippocampus**  
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- 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**  
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- LX. **Pericyte constriction after stroke: the jury is still out reply**  
Yemisci M., Gursoy-Ozdemir Y., DALKARA T.  
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- LXI. **Migraine aura pathophysiology: the role of blood vessels and microembolisation**  
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- 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.  
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- 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.  
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- LXIV. **Pericyte contraction induced by oxidative-nitrative stress impairs capillary reflow despite successful**

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- 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.  
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- 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**  
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- LXVIII. **Protective role of 27bp repeat polymorphism in intron 4 of eNOS gene in lacunar infarction**  
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- LXIX. **Changes in the expression of selenoproteins in mesial temporal lobe epilepsy patients**  
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## Metrics

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