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Education Information

Undergraduate, Anadolu University, İktisat Fakültesi, Uluslararası İlişkiler Bölümü, Turkey 2010 - 2014

Doctorate, University of Newcastle Upon Tyne, Tıp Fakültesi Fizyoloji Anabilim Dalı, England 1989 - 1992

Postgraduate, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Electrophysiological Properties of Cochlear Nucleus Neurones, University of Newcastle Upon Tyne, Tıp Fakültesi Fizyoloji Anabilim Dalı, 1992

Postgraduate, Deneyisel epilepsinin çinko modelinde fizyolojik ve histolojik çalışmalar, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), 1988

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2000 - Continues

Associate Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1994 - 1999

Assistant Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1993 - 1994

Research Assistant, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1986 - 1988

Academic and Administrative Experience

Ondokuz Mayıs University, 2016 - Continues

Ondokuz Mayıs University, 2015 - Continues

Ondokuz Mayıs University, 1996 - 2002

Ondokuz Mayıs University, 1999 - 2000

Courses

Hücre Nörobiyolojisi, Postgraduate, 2013 - 2014, 2012 - 2013
Görme Fizyolojisi, Doctorate, 2013 - 2014
Medical Physiology, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Tıp Fizyolojisi, Undergraduate, 2013 - 2014, 2012 - 2013
İleri Dolaşım Fizyolojisi, Doctorate, 2013 - 2014
Fizyopatoloji, Postgraduate, 2012 - 2013
Solunum Fizyolojisi, Doctorate, 2011 - 2012
Üreme ve Gelişme Fizyolojisi, Doctorate, 2011 - 2012, 2010 - 2011
Kan Fizyolojisi, Doctorate, 2011 - 2012
Kan Fizyoloji, Doctorate, 2010 - 2011
İleri Endokrin Fizyolojisi, Doctorate, 2009 - 2010

Advising Theses

Erdal A., B6, C ve E vitaminleri ile kanabinoid etkileşiminin penisilinle uyarılan epileptiform aktiviteye etkisi, Doctorate, A.TAŞDEMİR(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Effect of Escitalopram on Spike Wave Discharges in Genetic Absence Epileptic WAG/Rij Rats**
Hatipoğlu B., Arslan G., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, pp.40, 2023 (SCI-Expanded)
- II. **The electrophysiological and behavioral evaluation of the peptide hemopressin and cannabinoid CB1 receptor agonist and antagonist in pentylenetetrazol model of epilepsy in rats**
Al-Kaleel A., AYĞÜN H., Al-Gailani L., Kabak Y., İnal S., Ayyıldız M., Him A., Ağar E.
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, vol.475, pp.719-730, 2023 (SCI-Expanded)
- III. **The Effect of Rivastigmine on Spike-Wave Discharges and Interaction with T-Type Calcium Channels in WAG/Rij Rats**
Türkdönmez Ak E., Okuyucu B., Tiryaki E. S., Arslan G., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, vol.237, pp.34, 2023 (SCI-Expanded)
- IV. **Comparison of the Effects of Levetiracetam and Valproic Acid on Spike-Wave Discharges in WAG/Rij Rats with Genetic Absence Epilepsy**
Türkdönmez Ak E., Okuyucu B., Hatipoğlu B., Tiryaki E. S., Ayyıldız M., Arslan G., Ağar E.
ACTA PHYSIOLOGICA, pp.66, 2023 (SCI-Expanded)
- V. **The Effect of the Acetylcholinesterase Inhibitor Rivastigmine on the Pentylenetetrazole-Induced Kindling Model of Experimental Epilepsy**
Türkdönmez Ak E., Okuyucu B., Hatipoğlu B., Tiryaki E. S., Arslan G., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, pp.65-66, 2023 (SCI-Expanded)
- VI. **Nesfatin-1 exerts anticonvulsant effect by reducing oxidative stress in experimental epilepsy model**
Keloglan S. M., AYÇIK F. B., Kocacan S. E., Yazgan B., Ayyıldız M., Ağar E.
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, no.3, pp.227-235, 2023 (SCI-Expanded)
- VII. **The Effect of Magnesium Sulphate on Spike Wave Discharges in Genetic Absence Epileptic WAG/Rij Rats**
Hatipoğlu B., Okuyucu B., Türkdönmez Ak E., Tiryaki E. S., Arslan G., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, vol.237, pp.67, 2023 (SCI-Expanded)
- VIII. **Poster Communications**
Tosun S., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.234, pp.57, 2022 (SCI-Expanded)
- IX. **The Effect of HCN Channel Antagonist Ivabradine on Spike-Wave Discharges (Swds) In Genetic**

Absence Epileptic WAG/Rij Rats

Tiryaki E. S., Arslan G., Gunaydin C., Ayyıldız M., Ağar E.

ACTA PHYSIOLOGICA, vol.234, pp.14, 2022 (SCI-Expanded)

- X. **The Role of T-Type Calcium Channels in the Effect of 5-HT7 Serotonin Receptor on Penicillin-induced Epileptiform Activity**
Kocacan S. E., Arslan G., Rzayev E., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, vol.234, pp.14, 2022 (SCI-Expanded)
- XI. **The Effect of Minocycline on Total Oxidant and Antioxidant Levels During Penicillin-Induced Epileptiform Activity**
Tosun S., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.234, pp.16, 2022 (SCI-Expanded)
- XII. **The Effect of Metformin on Spike Wave Discharges in Genetic Absence Epileptic WAG/Rij Rats**
Alver B., Arslan G., Al Kaleel A. Z. K., Türkdönmez Ak E., Tiryaki E. S., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.234, pp.62, 2022 (SCI-Expanded)
- XIII. **The Effect of Social Isolation Stress on Epileptic Activity in the Adolescent Period**
Musuroglu S. K., AYÇIK F. B., ŞAHİN L., Sen F., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.234, pp.33, 2022 (SCI-Expanded)
- XIV. **The Role of Serotonin 5-HT7 Receptor on Penicillin-Induced Epileptiform Activity**
Kocacan S. E., Arslan G., Rzayev E., Ağar E., Ayyıldız M.
ACTA PHYSIOLOGICA, vol.234, pp.12, 2022 (SCI-Expanded)
- XV. **Role of Peripheral CB1 Receptors in Small Intestinal Fasted Myoelectric Activity of Rats**
Saltık O. D., Arslan G., Ağar E., Bozkurt A.
ACTA PHYSIOLOGICA, vol.234, pp.47, 2022 (SCI-Expanded)
- XVI. **The Effect of Vitamin E Supplementation on Brain Tissue Element Levels in Epileptic Rats**
Ozturk-Sonmez L., TUTKUN E., Ağar E., Ayyıldız M., Mogulkoc R., Baltaci A. K.
Archives Italiennes de Biologie, vol.160, no.1-2, pp.44-55, 2022 (SCI-Expanded)
- XVII. **THE effect of general anesthetics on genetic absence epilepsy in WAG/Rij rats**
Al-Gailani L., Al-Kaleel A., Arslan G., Ayyıldız M., Ağar E.
Neurological Research, vol.44, no.11, pp.995-1005, 2022 (SCI-Expanded)
- XVIII. **Differential effects of inhibitors of PTZ-induced kindling on glutamate transporters and enzyme expression**
Taspınar N., HACIMÜFTÜOĞLU A., Butuner S., TOĞAR B., Arslan G., TAGHIZADEHGHALEHJOUGHİ A., OKKAY U., Ağar E., Stephens R., TÜRKEZ H., et al.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.48, no.12, pp.1662-1673, 2021 (SCI-Expanded)
- XIX. **The Role of NMDA Receptors in the Effect of Purinergic P2X7 Receptor on Spontaneous Seizure Activity in WAG/Rij Rats With Genetic Absence Epilepsy**
Dogan E., AYGÜN H., Arslan G., Rzayev E., Avcı B., Ayyıldız M., Ağar E.
FRONTIERS IN NEUROSCIENCE, vol.14, 2020 (SCI-Expanded)
- XX. **The Effect of CB1 Receptor Agonist and Antagonist on the Epileptiform Activity in a Pentylene-tetrazole Kindling Rat Model**
Al Kaleel A. Z. K., AYGÜN H., Kamil L. A. K., Kabak Y., İnal S., Ayyıldız M., Him A., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.76, 2019 (SCI-Expanded)
- XXI. **The Effect of Hemopressin Combined To CB1 Receptor Agonist and Antagonist on Epileptiform Activity in the Pentylene-tetrazole Kindling Rat Model**
Al Kaleel A. Z. K., AYGÜN H., Kamil L. A. K., Kabak Y., İnal S., Ayyıldız M., Him A., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.24, 2019 (SCI-Expanded)
- XXII. **The Effect of Chloral Hydrate and Urethane on Epileptiform Activity in Wag\Rij Rats**
Algailani L. A. K., Al Kaleel A. Z. K., Arslan G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.77, 2019 (SCI-Expanded)
- XXIII. **The Role of Inducible Nitric Oxide Synthase Inhibition on the Effect of Resveratrol on Penicillin-**

Induced Epileptiform Activity

Mohamud M. H., Kocacan S. E., Ayyıldız M., Ağar E.

ACTA PHYSIOLOGICA, vol.227, pp.74, 2019 (SCI-Expanded)

- XXIV. **The Role of 5-Hydroxytryptophan and 7-Nitroindazole on Absence Epilepsy**
Tosun S., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.45, 2019 (SCI-Expanded)
- XXV. **Effect of Nesfatin-1 on Oxidative Stress Parameters in Experimental Epilepsy Model**
KELOĞLAN S., YAZGAN B., Sen F. B., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.101, 2019 (SCI-Expanded)
- XXVI. **Effect of Tadalafil in Penicillin-Induced Epileptiform Activity**
Tiryaki E. S., Arslan G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.103, 2019 (SCI-Expanded)
- XXVII. **The Role of Neuronal Nitric Oxide Synthase Inhibition on the Effect of Resveratrol on Penicillin-Induced Epileptiform Activity**
Mohamud M. H., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.73, 2019 (SCI-Expanded)
- XXVIII. **Effect of NAN-190 and Vilazodone Interaction on Penicillin-Induced Epileptiform Activity**
Hokelek H., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.74, 2019 (SCI-Expanded)
- XXIX. **Electrophysiological and Biochemical Effects and Interaction of P2X7 Receptors and Memantine on Epileptic Activity in WAG / Rij Rats**
Sen E., AYĞÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.79, 2019 (SCI-Expanded)
- XXX. **The Effect of Cannabinoids on Epileptic Activity in WAG/Rij Rats and the Role of Purinergic P2X7 Receptors in This Effect**
Seri E., AYĞÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.78, 2019 (SCI-Expanded)
- XXXI. **The Effect of Isoflurane and Ketamine/Xylazine on Epileptiform Activity in Genetic Absence Epilepsy (Wag\Rij) Rats Model**
Algailani L. A. K., Al Kaleel A. Z. K., Arslan G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.77, 2019 (SCI-Expanded)
- XXXII. **Effects of vitamin D and paricalcitol on epileptogenesis and behavioral properties of WAG/Rij rats with absence epilepsy**
Aygün H., Ayyıldız M., Ağar E.
EPILEPSY RESEARCH, vol.157, 2019 (SCI-Expanded)
- XXXIII. **The effect of serotonin on penicillin-induced epileptiform activity**
TAŞKIRAN M., TAŞDEMİR A., AYYILDIZ N., Ayyıldız M., Ağar E.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.129, no.7, pp.687-697, 2019 (SCI-Expanded)
- XXXIV. **Swimming exercise decreases the absence-like epileptic activity in WAG/Rij rats**
Aygün H., Ayyıldız M., Ağar E.
BEHAVIOURAL BRAIN RESEARCH, vol.363, pp.145-148, 2019 (SCI-Expanded)
- XXXV. **The effects of moderate running exercise and L-tyrosine on penicillin-induced epileptiform activity in rats**
Kayacan Y., Kisa E. C., Ghojebeigloo B. E., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.79, no.2, pp.148-154, 2019 (SCI-Expanded)
- XXXVI. **The Role of CRH2 Receptor Antagonist Astressin 2B in the Anticonvulsant Effect of Nesfatin-1 on Epileptiform Activity**
Musurluoglu S., Sen F. B., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.20, 2018 (SCI-Expanded)
- XXXVII. **The Effect of P2X7 Receptor Antagonist A-438079 On Absence Epilepsy Model of WAG/Rij Rats**
Sen E., AYĞÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.

- ACTA PHYSIOLOGICA, vol.225, pp.21, 2018 (SCI-Expanded)
- XXXVIII. **The Effect of Serotonin Receptor Antagonist NAN-190 on Penicillin-Induced Epileptiform Activity**
Hokelek H., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.20, 2018 (SCI-Expanded)
- XXXIX. **Effect of Neuropeptide S on Penicillin-Induced Experimental Epileptiform Activity**
Cicekli C., Sen F. B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.56, 2018 (SCI-Expanded)
- XL. **Effects of Paricalcitol on WAG/Rij Rats with Absence Epilepsy**
AYGÜN H., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.59, 2018 (SCI-Expanded)
- XLI. **Effect of Caffeine on Spike Wave Discharges in Genetic Absence Epileptic WAG/Rij Rats**
Arslan G., Tiryaki E. S., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.57, 2018 (SCI-Expanded)
- XLII. **The Effect of Vilazodone on Penicillin-Induced Epileptiform Activity**
Hokelek H., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.58, 2018 (SCI-Expanded)
- XLIII. **Effect of Ceftriaxone on Spontaneous Epileptic Discharges in Genetic Absence Epileptic WAG/Rij Rats**
Tiryaki E. S., Arslan G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.56, 2018 (SCI-Expanded)
- XLIV. **The Effect of Leptin on Epileptic Activity in WAG/Rij Rats**
Tosun S., Sen E., Arslan G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.37, 2017 (SCI-Expanded)
- XLV. **The Effect of Nesfatin-1 on Penicillin-Induced Epileptiform Activity**
Musuroglu S. K., Sen F. B., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.43, 2017 (SCI-Expanded)
- XLVI. **The Effect of P2X7 Receptor Agonist, BzATP on Absence-Like Epileptic Activity in Wag/Rij Rats**
Sen E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.26, 2017 (SCI-Expanded)
- XLVII. **The Effect of P2X7 Receptors on Penicillin-induced Epileptiform Activity and the Role of T-type Calcium Channel Inhibitor NNC 55-3069 on This Effect**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.33, 2017 (SCI-Expanded)
- XLVIII. **The Role of NMDA Receptor Blocker Memantine in the Effect of P2X7 Receptors on Penicillininduced Epileptiform Activity**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.106, 2017 (SCI-Expanded)
- XLIX. **Interaction between urethane and cannabinoid CB1 receptor agonist and antagonist in penicillin-induced epileptiform activity**
Arslan G., Alici S. K., Ayyıldız M., Ağar E.
Acta Neurobiologiae Experimentalis, vol.77, no.2, pp.128-136, 2017 (SCI-Expanded)
- L. **The effects of treadmill exercise on penicillin-induced epileptiform activity**
Kayacan Y., TUTKUN E., Arslan G., Ayyıldız M., Ağar E.
ARCHIVES OF MEDICAL SCIENCE, vol.12, no.5, pp.935-940, 2016 (SCI-Expanded)
- LI. **The Role of T-Type Calcium Channels in Proconvulsant Effect of Apelin-13 on Penicillin-Induced Epileptiform Activity**
Ucar D., ARSLAN G., Alici S. K., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.8, 2016 (SCI-Expanded)
- LII. **The Effect of Low Dose Memantine on Epileptic Activity in WAG/Rij Rats**
Sen E., AYGÜN H., ARSLAN G., Avcı B., Ayyıldız M., Ağar E.
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- LIII. Role of Cannabinoid cb1 Receptor in Proconvulsant Effect of Apelin-13 on Penicillin-induced Epileptiform Activity**
Sen F. B., Ucar D., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.83, 2016 (SCI-Expanded)
- LIV. The Effect of Maternal Deprivation on Penicillin-induced Epilepsy**
Gunyildiz G., Kocacan S. E., Ağar E., Ozyurek H., Emirzeoğlu M.
ACTA PHYSIOLOGICA, vol.218, pp.80, 2016 (SCI-Expanded)
- LV. The Effect of Theophylline Ethylenediamine on Seizures in Older WAG/Rij Rat**
AYGÜN H., ARSLAN G., ERBAŞ O., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.84, 2016 (SCI-Expanded)
- LVI. The Effect of P2X7 Receptor Antagonist A-438079 on Penicillin-induced Epileptiform Activity**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
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- LVII. The Effects of Cannabinoids on Epileptiform Activity**
Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.4, 2016 (SCI-Expanded)
- LVIII. Effects of Ginkgo biloba extract on brain oxidative condition after cisplatin exposure**
Aydin D., Peker E. G. G., Karakurt M. D., Gurel A., Ayyıldız M., COŞKUN CEVHER Ş., Ağar E., Dane S.
CLINICAL AND INVESTIGATIVE MEDICINE, vol.39, no.6, 2016 (SCI-Expanded)
- LIX. Interaction between Cannabinoid CB1 Receptor and T-type Calcium Channel on Penicillin Induced Epileptiform Activity in Rat**
Alici S. K., ARSLAN G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.26, 2015 (SCI-Expanded)
- LX. The Effect of Ascorbic Acid on Absence Epilepsy Model of Wag/Rij Rats**
Sen E., AYGÜN H., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.96, 2015 (SCI-Expanded)
- LXI. Effect of Timokinon and 7-Nitroindazol Combination on Penicillin Induced Epileptiform Activity in Rat**
Altinkaynak E., ARSLAN G., Alici S. K., Ayyıldız M., Ağar E.
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- LXII. Role of Cannabinoid CB1 Receptor AM-251 in Proconvulsant Effect of Apelin Experimental Epileptiform Activity Generated with Penicillin**
Sen F. B., Ucar D., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.95, 2015 (SCI-Expanded)
- LXIII. The Effect of CB1 Cannabinoid Receptor Antagonist AM-251 on Spike Wave Discharges in WAG/Rij Rat**
AYGÜN H., ARSLAN G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.46, 2015 (SCI-Expanded)
- LXIV. Effect of 5-HT2a Receptor Agonist DOI on Epileptiform Activity**
TAŞKIRAN M., TAŞDEMİR A., Ayyıldız M., Ağar E., AYYILDIZ N.
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- LXV. The Effect of Apelin-13 on Penicillin-Induced Epileptiform Activity in Rats**
Ucar D., ARSLAN G., Alici S. K., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.45-46, 2015 (SCI-Expanded)
- LXVI. The Effect of Hemostatic Agents and Tissue Adhesive on Injured Peripheral Nerve Healing in Rats - Part I. Electrophysiological Study**
Sener I., Bereket C., Arslan G., Özkan N., Ozdemir M., Mercan U., Ayyıldız M., Ağar E.
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- LXVII. The effects of agomelatine and melatonin on ECoG activity of absence epilepsy model in WAG/Rij rats**
AYGÜN H., Aydin D., Inanir S., Ekici F., Ayyıldız M., Ağar E.
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- LXVIII. **Long-term ascorbic acid administration causes anticonvulsant activity during moderate and long-duration swimming exercise in experimental epilepsy**
TUTKUN E., Arslan G., Soslu R., Ayyıldız M., Ağar E.
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- LXIX. **The interaction between ghrelin and cannabinoid systems in penicillin-induced epileptiform activity in rats**
Arslan G., Ayyıldız M., Ağar E.
NEUROPEPTIDES, vol.48, no.6, pp.345-352, 2014 (SCI-Expanded)
- LXX. **The Role of CB1-Receptors in the Proconvulsant Effect of Leptin on Penicillin-Induced Epileptiform Activity in Rats**
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CNS NEUROSCIENCE & THERAPEUTICS, vol.19, no.4, pp.222-228, 2013 (SCI-Expanded)
- LXXI. **The effect of combined treatment of alpha-tocopherol, ascorbic acid, and pyridoxine with NMDA blocker memantine on penicillin-induced epileptiform activity in rats**
Aydin D., Yildirim M., Ayyıldız M., Ağar E.
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- LXXII. **The effect of co-administration of the NMDA blocker with agonist and antagonist of CB1-receptor on penicillin-induced epileptiform activity in rats**
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EPILEPSY RESEARCH, vol.93, no.2-3, pp.128-137, 2011 (SCI-Expanded)
- LXXIII. **Interaction of leptin and nitric oxide pathway on penicillin-induced epileptiform activity in rats**
Aslan A., Yildirim M., Ayyıldız M., Guven A., Ağar E.
BRAIN RESEARCH, vol.1321, pp.117-124, 2010 (SCI-Expanded)
- LXXIV. **Endothelial nitric oxide synthase activity involves in the protective effect of ascorbic acid against penicillin-induced epileptiform activity**
Yildirim M., Ayyıldız M., Ağar E.
SEIZURE-EUROPEAN JOURNAL OF EPILEPSY, vol.19, no.2, pp.102-108, 2010 (SCI-Expanded)
- LXXV. **Short-duration swimming exercise decreases penicillin-induced epileptiform ECoG activity in rats**
TUTKUN E., Ayyıldız M., Ağar E.
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.70, no.4, pp.382-389, 2010 (SCI-Expanded)
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