

Prof. Mustafa Ayyıldız

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Education Information

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Hukuk Bölümü, Turkey 2019 - 2021

Doctorate, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), Turkey 1989 - 1994

Postgraduate, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Dissertations

Doctorate, Albino tavşanlarda kortikospinal nöronların organizasyonu, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), 1994

Postgraduate, Tavşanda medulla piramitlerinden geçen miyelinli kortikospinal aksonların çaplarına göre sınıflandırılması, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), 1989

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2008 - Continues

Associate Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1998 - 2008

Assistant Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1996 - 1998

Lecturer PhD, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1994 - 1996

Lecturer, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1989 - 1994

Research Assistant, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, 1987 - 1989

Academic and Administrative Experience

Fakülte Akademik Kurul Üyesi, Ondokuz Mayıs University, Tıp Fakültesi, 2021 - Continues

Ondokuz Mayıs University, 2021 - Continues

Ondokuz Mayıs University, 2021 - Continues

Head of Ethics Committee, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2018 - Continues

Ondokuz Mayıs University, 2015 - 2016

Ondokuz Mayıs University, 1999 - 2000

Ondokuz Mayıs University, 1997 - 2000

Courses

Fizyopatoloji I, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Sinir Sisteminin Fonksiyonel Yapısı, Doctorate, 2013 - 2014
Fizyoloji-Dış Hekimliği Fakültesi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2001 - 2002, 2000 - 2001
Nöroendokrinoloji, Doctorate, 2013 - 2014
Human Physiology (English Medicine), Undergraduate, 2013 - 2014, 2012 - 2013
Kan Fizyolojisi, Postgraduate, 2013 - 2014
Fizyoloji Beslenme ve Diyetetik Bölümü, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Duyusal Sistemler, Postgraduate, 2013 - 2014
Temel Sinirbilimler, Doctorate, 2013 - 2014
Hücre Fizyolojisi, Postgraduate, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
İnsan Fizyolojisi (Türkçe Tıp), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2001 - 2002, 2000 - 2001
Hemşirelikte Fizyoloji, Postgraduate, 2013 - 2014, 2012 - 2013
Fizyopatoloji II, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Kimyasal Duyular, Doctorate, 2012 - 2013
Solunum Fizyolojisi, Doctorate, 2012 - 2013
Böbrek Fizyolojisi, Doctorate, 2011 - 2012, 2010 - 2011
İleri Endokrin Fizyolojisi, Doctorate, 2009 - 2010

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., AYGÜN 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. **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)
- V. **Panel 1.3: Effects of Gut Microbiota on the Central Nervous System**
Ayyıldız M.
ACTA PHYSIOLOGICA, vol.237, pp.15, 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. **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)

- IX. **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)
- X. **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)
- XI. **Poster Communications**
Tosun S., Kocacan S. E., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.234, pp.57, 2022 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **Vortioxetine increases absence-like seizures in WAG/Rij rats but decreases penicillin- and pentylenetetrazole-induced seizures in Wistar rats**
Aygün H., Ayyıldız M.
Epilepsy and Behavior, vol.116, 2021 (SCI-Expanded)
- XIX. **Physical exercise and 5-hydroxytryptophan, a precursor for serotonin synthesis, reduce penicillin-induced epileptiform activity**
Kayacan Y., Ghojbeigloo B. E., Cerit G., Kocacan S. E., Ayyıldız M.
EPILEPSY & BEHAVIOR, vol.112, 2020 (SCI-Expanded)
- XX. **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., AYĞÜN H., Arslan G., Rzayev E., Avcı B., Ayyıldız M., Ağar E.
FRONTIERS IN NEUROSCIENCE, vol.14, 2020 (SCI-Expanded)
- XXI. **Hemopressin increases penicillin-induced epileptiform activity in rats**
Aygün H., Arslan G., Sen E., Ayyıldız M., Ağar E.
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, vol.121, no.1, pp.37-42, 2020 (SCI-Expanded)
- XXII. **The Role of Calcium in Epilepsy**
Ayyıldız M.
ACTA PHYSIOLOGICA, vol.227, pp.12, 2019 (SCI-Expanded)

- XXIII. **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)
- XXIV. **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)
- XXV. **The Effect of Cannabinoids on Epileptic Activity in WAG/Rij Rats and the Role of Purinergic P2X7 Receptors in This Effect**
Seri E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.78, 2019 (SCI-Expanded)
- XXVI. **The Effect of CB1 Receptor Agonist and Antagonist on the Epileptiform Activity in a Pentylenetetrazole 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)
- XXVII. **The Effect of Hemopressin Combined To CB1 Receptor Agonist and Antagonist on Epileptiform Activity in the Pentylenetetrazole 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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **Investigation of the Interaction of Exenatide and Cannabinoid Receptors in Penicillin-Induced Epilepsy Model**
Jimalé H. M., Yıldız A., Kocacan S. E., Ayyıldız M., Him A.
ACTA PHYSIOLOGICA, vol.227, pp.45, 2019 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **Effects of vitamin D and paricalcitol on epileptogenesis and behavioral properties of WAG/Rij rats with absence epilepsy**
Aygun H., Ayyıldız M., Ağar E.
EPILEPSY RESEARCH, vol.157, 2019 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Swimming exercise decreases the absence-like epileptic activity in WAG/Rij rats**

Aygun H., Ayyıldız M., Ağar E.

BEHAVIOURAL BRAIN RESEARCH, vol.363, pp.145-148, 2019 (SCI-Expanded)

XXXVIII. 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)

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. 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)

XLI. 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)

XLII. 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)

XLIII. 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)

XLIV. 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)

XLV. Effect of Exercise-Related Coenzyme Q10 Use on Epileptiform Activity in Rats

Kayacan Y., Cerit G., Ghojebeigloo B. E., Kocacan S. E., Ayyıldız M.

ACTA PHYSIOLOGICA, vol.225, pp.57, 2018 (SCI-Expanded)

XLVI. The Effect of P2X7 Receptor Antagonist A-438079 On Absence Epilepsy Model of WAG/Rij Rats

Sen E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.

ACTA PHYSIOLOGICA, vol.225, pp.21, 2018 (SCI-Expanded)

XLVII. Effect of arginine supplementation on footballers' anaerobic performance and recovery

MOR A., Atan T., Agaoglu S. A., Ayyıldız M.

PROGRESS IN NUTRITION, vol.20, no.1, pp.104-112, 2018 (SCI-Expanded)

XLVIII. 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)

XLIX. 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)

L. Exercise and L-tyrosine Supplementation on Penicillin-induced Epileptiform Activity in Rats

Kayacan Y., Kisa E. C., Ghojebeigloo B. E., Kocacan S. E., Ayyıldız M.

ACTA PHYSIOLOGICA, vol.221, pp.99, 2017 (SCI-Expanded)

LI. The Role of NMDA Receptor Blocker Memantine in the Effect of P2X7 Receptors on Penicillin-induced Epileptiform Activity

ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.

ACTA PHYSIOLOGICA, vol.221, pp.106, 2017 (SCI-Expanded)

LII. 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)

- LIII. **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)
- LIV. **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)
- LV. **The Effect of Low Dose Memantine on Epileptic Activity in WAG/Rij Rats**
Sen E., AYĞÜN H., ARSLAN G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.77-78, 2016 (SCI-Expanded)
- LVI. **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)
- LVII. **The Effect of Theophylline Ethylenediamine on Seizures in Older WAG/Rij Rat**
AYĞÜN H., ARSLAN G., ERBAŞ O., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.84, 2016 (SCI-Expanded)
- LVIII. **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.
ACTA PHYSIOLOGICA, vol.218, pp.77, 2016 (SCI-Expanded)
- LIX. **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)
- LX. **Assessment of chronic disease prevalence, nutritional habits and healthy lifestyle behaviors in elderly patients**
Aydın Avcı İ., Nal B., Ayyıldız M.
PROGRESS IN NUTRITION, vol.18, no.1, pp.26-31, 2016 (SCI-Expanded)
- LXI. **Effects of Ginkgo biloba extract on brain oxidative condition after cisplatin exposure**
Aydın 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)
- LXII. **The Effect of Ascorbic Acid on Absence Epilepsy Model of Wag/Rij Rats**
Sen E., AYĞÜN H., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.96, 2015 (SCI-Expanded)
- LXIII. **Effect of Timokinon and 7-Nitroindazol Combination on Penicilin Induced Epileptiform Activity in Rat**
Altinkaynak E., ARSLAN G., Alici S. K., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.66, 2015 (SCI-Expanded)
- LXIV. **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)
- LXV. **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)
- LXVI. **The Effect of CB1 Cannabinoid Receptor Antagonist AM-251 on Spike Wave Discharges in WAG/Rij Rat**
AYĞÜN H., ARSLAN G., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.215, pp.46, 2015 (SCI-Expanded)
- LXVII. **Effect of 5-HT2a Receptor Agonist DOI on Epileptiform Activity**
TAŞKIRAN M., TAŞDEMİR A., Ayyıldız M., Ağar E., AYYILDIZ N.

- ACTA PHYSIOLOGICA, vol.215, pp.96, 2015 (SCI-Expanded)
- LXVIII. **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)
- LXIX. **Antiepileptic Effects of Melatonin**
SEYİTHANOĞLU M. H., TURGUT M., GUNDAG M., Ayyıldız M., Kaplan S., Tuzgen S.
MELATONIN: THERAPEUTIC VALUE AND NEUROPROTECTION, pp.421-429, 2015 (SCI-Expanded)
- LXX. **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.
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.75, no.2, pp.192-199, 2015 (SCI-Expanded)
- LXXI. **The effects of agomelatine and melatonin on ECoG activity of absence epilepsy model in WAG/Rij rats**
AYGÜN H., Aydın D., Inanir S., Ekici F., Ayyıldız M., Ağar E.
TURKISH JOURNAL OF BIOLOGY, vol.39, no.6, pp.904-910, 2015 (SCI-Expanded)
- LXXII. **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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