



PROGRAM BOOK

6-9 November
2024

49th

TURKISH
PHYSIOLOGY
CONGRESS

Palm Wings Ephesus Hotel Selçuk/İZMİR



Turkish Society of Physiological Sciences
49th Turkish Physiology Congress
6 – 9 November 2024
Palm Wings Ephesus Hotel, Selçuk, İzmir

06 November Wednesday	07 November Thursday	08 November Friday	09 November Saturday
10.30 – 15.30 Registration	09.00 – 12.00 Scientific Program	09.00 – 12.00 Scientific Program	09.00 – 12.00 Scientific Program
15.30 – 16.15 Congress Opening Session	12.00 – 12.45 Poster Communications-I	12.00 – 12.45 Poster Communications-II	12.00 – 12.30 Poster Communications-III
16.15 – 16.45 Respect to Masters	12.45 – 13.45 Lunch	12.45 – 13.45 Lunch	12.30 – 13.30 Lunch
17.00 – 18.30 Opening Panel	13.45 – 18.00 Scientific Program	13.45 – 17.45 Scientific Program	13.30 – 15.00 Scientific Program
19.00 – 20.00 Opening Reception		17.50-18.50 AGM of the TFBF	15.15 – 15.45 Awards & Closing Ceremony
		20.00 – 23.30 Gala Dinner	

06 November 2024 Wednesday

- 10.30 – 15.30 Registration
- 15.30 – 16.45 Salon A: Congress Opening Session
Congress Opening
TFBD Accreditation Report
Respect to Masters (to the memory of Prof. Dr. Nuran Hariri & Prof. Dr. Kubilay Uzunur)
Chair: Prof. Dr. Erdal Ağar
- 16.45 – 17.00 Coffee Break
- 17.00 – 18.30 **Panel 1:** The Last Century of Electrical Therapies in Heart Failure
Oğuzhan Ekrem Turan, Emin Evren Özcan & Mehmet Birhan Yılmaz
Chair: Prof. Dr. Bayram Yılmaz
- 19.00 – 20.00 Opening Reception (Palm Wings Ephesus Hotel)

07 November 2024 Thursday

- 09.00 – 10.30 Salon A: Oral Communications (**OC01 – OC06**)
Chairs: Prof. Dr. Selim Kutlu & Doç. Dr. Erkan Kılınc
- Salon B: Oral Communications (**OC07 – OC12**)
Chairs: Prof. Dr. Gülderen Şahin & Doç. Dr. Mümin Alper Erdoğan
- Salon C: Oral Communications (**OC13 – OC18**)
Chairs: Prof. Dr. Mustafa Gül & Prof. Dr. Selda Kabadere

10.30 – 11.00	Coffee Break
11.00 – 12.00	Salon A: Conference 1: Targeting Senescence in the Repair of the Heart Georgina M. Ellison-Hughes Chair: Prof. Dr. Erdal Ağar
12.00 – 12.45	Poster Communications (PC01-PC40)
12.45 – 13.45	Lunch
13.45 – 15.30	Salon A: Symposium 1: Angiogenesis in Physiologic and Pathologic Conditions and Vascularization in Tissue Engineering Durmuş Deveci: A General Introduction to Angiogenesis, Metodology, Cases Where Angiogenesis Wanted and Unwanted Ali Osman Saatçı: Clinical Applications of Anti-VEGF's in Ophthalmology Ömer Kartı: Characteristics of Current Anti-VEGF Agents Used in Ophthalmology Serkan Dikici: Construction of the Living Networks in Artificial Tissues: Vascularization in Tissue Engineering Chairs: Prof. Dr. Özgür Kasımay & Prof. Dr. Fadıl Özyener
13.45 – 15.30	Salon B: Panel 2: The Sirtuin Family in Health and Disease Gizem Dönmez Yalçın: The Investigation of SIRT4's Role in Brain Diseases Arzu Keskin Aktan: The Relationship of the Sirtuin Family with Mitochondrial Dynamics and Inflammation Kazime Gonca Akbulut: Role of the Sirtuin Family in Metabolic Regulation Chairs: Prof. Dr. Hale Sayan Özaçmak & Prof. Dr. Gonca Akbulut
15.30 – 16.00	Coffee Break
16.00 – 18.00	Salon A: Oral Communications (OC19 – OC26) Chairs: Prof. Dr. Lütüye Kanıt & Prof. Dr. Cemil Tümer Salon B: Oral Communications (OC27 – OC34) Chairs: Prof. Dr. Mustafa Ayyıldız & Prof. Dr. Selma Arzu Vardar Salon C: Oral Communications (OC35 – OC42) Chairs: Prof. Dr. Süleyman Sandal & Doç. Dr. Ramazan Üstün

08 November 2024 Friday

09.00 – 10.30	Salon A: Sempozyum 2: Neurodevelopmental Research in Model Organisms Şermin Genç: The Impact of Neuroinflammation on Neuronal Damage in the Neonatal Rodents Brain Kemal Uğur Tüfekçi: The Effects of Oxidative Stress on Neurogenesis in Zebrafish Arzu Çelik: In Vivo Modeling of Neurogenetic Diseases in Drosophila Chairs: Prof. Dr. Ersin Koylu & Prof. Dr. Şermin Genç
09.00 – 10.30	Salon B: Panel 3: The Role of Multifocal Evaluations in Visual Electrophysiology in Diagnosis and Treatment Hakkı Oktay Seymen: How Are Multifocal ERG and VEP Recordings Performed, and Why Do We Need to Evaluate the Findings? Aykut Oruç: The Role of Specific Visual Electrophysiological Tests in Ophthalmological and Neurological Diseases Kadriye Yağmur Oruç: Retinal Cell Network Electrophysiology Chairs: Prof. Dr. Nevzat Kahveci & Prof. Dr. Hakkı Oktay Seymen
10.30 – 11.00	Coffee Break
11.00 – 12.00	Salon A: Konferans 2: Physiological Basis of Vestibular Function Testing

G. Michael Halmagyi

Chair: Prof. Dr. Ertuğrul Kılıç

12.00 – 12.45 Poster Communications (**PC41-PC76**)

12.45 – 13.45 Lunch

13.45 – 14.45 Salon A: Oral Communications (**OC43 – OC46**)

Chairs: Prof. Dr. Ahmet Ergün & Prof. Dr. Ayhan Bozkurt

Salon B: Oral Communications (**OC47 – OC50**)

Chairs: Prof. Dr. Nuran Ekerbiçer & Prof. Dr. Suat Tekin

Salon C: Oral Communications (**OC51 – OC54**)

Chairs: Prof. Dr. Vural Küçükataş & Prof. Dr. Bilge Pehlivanoglu

14.45 – 15.00 Coffee Break

15.00 – 16.00 Salon A: **Conference 3: An Update on Renal Mineral Transport in Health and Disease**

Joost Hoenderop

Chair: Prof. Dr. Fatma Töre

16.00 – 16.15 Coffee Break

16.15 – 17.45 Salon A: **Symposium 3: Brain Organoids in Neuroscience Research**

Sinan Güven: Organoid Models for Brain – Ocular System Axis

Özlem Yeşil Çeliktas: Human Organoids-on-Chips in Health and Disease

Burak Derkuş: Modeling Pathogenic Microbiota-Driven Neurodegeneration in Cerebral Organoids Under In Vitro Conditions

Chairs: Prof. Dr. Numan Ermutlu & Prof. Dr. Durmuş Deveci

16.15 – 17.45 Salon B: **Symposium 4: A Scientific Journey from Physiology Laboratory to Clinics**

Berna Karakoyun: Oxidative Overview from the Physiology Research Laboratory to the Clinics

Mehmet Koç: Investigation of Treatment Options in Acute and Chronic Kidney Injury Models

Leyla Semiha Şen: The Bridge Between Physiology Laboratory and General Surgery

Chairs: Prof. Dr. Berrak Yeğen & Prof. Dr. Berna Karakoyun

17.50 – 18.50 Salon A: AGM of the TFBD

20.00 – 23.30 Gala Dinner

09 November 2024 Saturday

09.00 – 10.30 Salon A: Oral Communications (**OC55 – OC60**)

Chairs: Prof. Dr. Burcu Gemici Başol & Doç. Dr. Ayşen Çakır

Salon B: Oral Communications (**OC61 – OC66**)

Chairs: Prof. Dr. Sinan Canpolat & Doç. Dr. Emine Kılıç Toprak

Salon C: Oral Communications (**OC67 – OC71**)

Chairs: Prof. Dr. Abdülkerim Kasım Baltacı & Prof. Dr. Rasim Moğulkoç

10.30 – 11.00 Coffee Break

11.00 – 12.00 Salon A: **Conference 4: The GnRH Pulse Generator – Progress in Understanding the Neural Regulation of Fertility**

Allan Herbison

Chair: Prof. Dr. Ahmet Ayar

12.00 – 12.30 Poster Communications (**PC77-PC97**)

12.30 – 13.30 Lunch

13.30 – 15.00 Salon A: **Panel 4: Kinesiology and Biomechanics in the Past, Present, Future**

Evren Yaşar: Human Functional Bioengineering

Berke Aras: The Concept of Ability Laboratory in the Current Physical Medicine and Rehabilitation Model

Özlem Karasimav: Innovations in Sports Performance

Chairs: Prof. Dr. Yusuf Hıdır & Prof. Dr. Evren Yaşar

13.30 – 15.00 Salon B: **Sempozyum 5: Living in Accordance with the Circadian Rhythm**

Melek Bor-Küçükataý: Central and Peripheral Regulation Mechanisms of Circadian Rhythm

Özgen Kılıç-Erkek: Metabolic Effects of Chrononutrition

Emine Kılıç-Toprak: Circadian Rhythm and Exercise

Mustafa Çağlar Beker: Circadian Rhythm and Molecular Dynamics of Neuronal Injury

Chairs: Prof. Dr. Melek Bor-Küçükataý & Prof. Dr. Eylem Taşkın Güven

15.00 – 15.15 Coffee Break

15.15 – 15.45 Awards & Closing Ceremony

Oral Communications Program

07 November Thursday 09.00 – 10.30 **OC01-OC18**

07 November Thursday 16.00 – 18.00 **OC19-OC42**

08 November Friday 13.45 – 14.45 **OC43-OC54**

09 November Saturday 09.00 – 10.30 **OC55-OC71**

Oral Communications (OC01-OC71)

OC #	Abstract Title & Authors
OC01	Investigation of the Effects of Rivastigmine on Learning-Memory Impairment and Anxiety Accompanying with Age-Varying Seizure Severity in WAG/Rij Rats with Genetic Absence Epilepsy in Relation to TRPV1 Channels <u>Elif Türkdönmez Ak</u> , Büşra Okuyucu, Gökhan Arslan, Erdal Agar, Mustafa Ayyıldız
OC02	The Effect of Venlafaxine on Seizure Activity in Genetically Absence Epileptic WAG/Rij Rats: the Role of Adrenergic Receptors in This Effect <u>Burcu Hatipoğlu</u> , Gökhan Arslan, Ayhan Bozkurt, Yonca Betil Kabak, Sinem İnal, Erdal Ağar, Mustafa Ayyıldız
OC03	Effect of Cardiosselective Beta Blocker Metoprolol on Epileptiform Activity Induced by Penicillin in Rats <u>Ali Koray Kaya</u> , Fatih Mehmet Gökçe, Sinan Saral
OC04	The Effects of Prebiotic and Probiotic Supplements Administered with Lacosamide on Epileptic Seizures in a Post-traumatic Epilepsy Model <u>Uğur Aykın</u> , Cumaali Demirtaş, Sezin Kiroğlu Uzun, Mehmet Yıldırım
OC05	Investigation of Behavioral Properties of Dentate Gyrus Prodynorphin Neurons in Alzheimer's Model Transgenic Mice <u>Habibe Gören</u> , Yavuz Yavuz, Bayram Yılmaz
OC06	Evaluation of the Effect of Asprosin on Pain and Behavioral Functions in a Mouse Model of Experimental Migraine Çağdaş Kocal, <u>Muhammed Adam</u> , Orhan Sayın, Ahmet Sait Bozyıl, Ferah Bulut, Mehtap Pervin, Mete Özcan, Sibel Özcan
OC07	Protective Potential of Boron-Based Compounds in In Vitro Nephrotoxicity Model Induced by Gentamicin in Monkey Kidney Epithelial Cell Line <u>Nilgün Okşak</u> , Mustafa Ünal Boyraz, Akın Yiğın, Ahmet Kılıç
OC08	Effects of Apelin-13 in Diabetic Kidney Injury: Analysis of Histological and Biochemical Markers <u>Melisa Bilaloğlu</u> , Ayse Arzu Yigit, Sevtap Kılınç, Fatma Helvacıoğlu, Ece Yıldırım Özkaya
OC09	Investigation of the Effect of Metformin on Rat Bladder Smooth Muscle and the Mechanisms Mediating This Effect <u>Pelin Türkkan</u> , Gökçe Sevim Öztürk Fincan, Ayşe Meltem Sevgili, Burak Kayabaşı, Tilbenur Akyol, Sibel Dinçer
OC10	Phoenixin-14 Administration Acts Protective Role in Rats with Experimental Acute Kidney Injury Model <u>Samet Öz</u> , Mehmet Refik Bahar, Güldeniz Şekerci, Aslı Çetin, Suat Tekin

OC11	Effects Of Melatonin on Trace Element And Electrolyte Levels in Acute Kidney Injury <u>Glten Ateř Uluçay</u> , Hatice Yorulmaz, Elif zkk, İ. Ertuğrul Yalçın, řule Tamer
OC12	Effects of Ischemic Pre-conditioning and Boldine on Renal Ischemia Reperfusion Induced Remote Brain Injury <u>Esra Tekin</u> , Glay Kip, Ayřegl Kçk, Zeynep Yığman, Mustafa Kavutçu, Mustafa Arslan
OC13	Effect of Cumulative Zinc Doses on Papillary Muscle Contractions and the Zinc Finger Protein ZEB1 <u>Nilufer Akgun Unal</u> , Aylin Ustun, Omer Unal, Rasim Mogulkoc, Abdulkirim Kasim Baltacı
OC14	Effects of GLP-1 Receptor Agonist on SIRT-1/PGC-1 α Signaling Pathway in Isoprenaline-Induced Takotsubo Cardiomyopathy in Ovariectomized Female Rats <u>Sefa zduran</u> , Nazmiye Sultan zduran, Naile Eriř Gdl, Ahmet Avcı, Hale Sayan zaçmak
OC15	Nesfatin-1 Alleviates Gastrointestinal, Cardiovascular and Nervous System Injury in Ovariectomized Rats: Role of Vagal Afferents <u>Merve Meriç Kahraman</u> , Zarife Nigar zdemir Kumral, Beyza Tarhan, Birsu Barın, Zeynep Berre Atılğan, Zeynep Elif Cıdık, Feriha Ercan, Berrak Yeğen
OC16	Investigation Of Oxidative Stress, İnflammatory Response and Cardioprotective Effects of Antidiabetic Liraglutide and Empagliflozin in Experimental Diabetic Rats <u>Cemre Uçar Ekin</u> , Hda Ofazoğlu Diken, Nazan Baksi
OC17	Investigation of The Effects of Granulocytes on Hemostasis by Optical Aggregometer and Thromboelastogram <u>Fatma zer</u> , znur Grel, Sueda Gneř, Didem Çakırsoy Akyney, Dıgdem Yoyen-Ermis, Engin Sagdilek
OC18	Investigation of the Efficiency of Platelet-Rich Plasma (PRP) Against Central Effects of the Experimental Aluminum Toxicity <u>Duygu Seren zyılmaz</u> , Enver Ahmet Demir, Okan Tutuk, Cemil Tmer
OC19	Investigating the Effects of Diisobutyl Phthalate Chemical on Feeding Behavior and Obesity <u>Elif Maide Beyoğlu</u> , Tuba Keskin, Kevser Tanbek, Sleyman Sandal
OC20	The Effect of Cold Exposure and Bee Venom Injection on UCP-1 Gene Expression Levels and Anxiety-Like Behaviors in Rats Fed a High-Fat Diet <u>Bahar Dalkiran</u> , Burcu Acikgoz, Ilkay Aksu, Amac Kiray, Muge Kiray
OC21	Changes in Nutrition-Related Molecules in Male and Female Rats in an Experimental Model of Autism Spectrum Disorders <u>Seda Tunçak</u> , Ayřen Çakır, Blent Gren, Nevzat Kahveci
OC22	Investigation of the Effect of Apelin on Dopamine Signalling in the Hypothalamic Paraventricular Nucleus of Mice on High Calorie Diet by Fiber Photometry <u>Yasin Ali Çimen</u> , Yavuz Yavuz, Cihan Sleyman Erdogan, Selim Kutlu, Bayram Yılmaz
OC23	Investigation of Hypothalamic and Hippocampal Semaphorin 3A and Receptor Gene Expression Levels in an Experimental Morphine Addiction Model <u>Kaniye Zeynep Çalıřkan</u> , Aysu řen, Emine Nedime Korucu, Ayça Yavuz, Hacer Çalkap, Yasin Ali Çimen, Selim Kutlu
OC24	Deksametazon ile Oluřturulan İnslin Direnci Modelinin z Bakım Davranıřları ve Beyin Kkenli Nrotrofik Faktr zerindeki Etkileri <u>Hasan Çalıřkan</u> , Gzde Karabulut
OC25	Effects of Apelin-13 on Oxidative Stress and Auditory Brainstem Responses in STZ-Induced Diabetic Rats <u>Sevtap Kılınç</u> , Rukiye lçoğlu, Ayse Arzu Yigit, zgecan Gneřer, Berfin Eyll Aydemir
OC26	The Effect of Intracerebroventricular Meteorin-like Protein Infusion on the Hypothalamic-Pituitary-Testicular Axis Burak Bircan, <u>Glideniz řekerci</u> , Suat Tekin, Yavuz Erden, Çiğdem Tekin
OC27	Anti-Cancer Effects of Tangeretin and Delphinidin on Pancreatic Cancer Cells <u>řeniz Geniř</u> , Dervis Birim, Gliz Armagan, Mumin Erdogan
OC28	Examination of Morphological Changes, Murf1 and Atrogin1 Gene Expression Levels, and Redox Status During Hydrogen Peroxide-Induced Atrophy in Melatonin-Treated Mouse Myoblast Cell Line <u>Nazlı Karimi Ahmadi</u> , Berk Adnan Dinçsoy
OC29	Evaluation of Potential Anticarcinogenic Characteristics of C-Phycocyanin and Flavonoid Combinations on MDA-MB-231 Cells Rmeysa Fatma Balaban, Talat Yasin Acar, Mehmet Fatih Seyhan, <u>mit Yılmaz</u>
OC30	Polysaccharide Coated Silver Nanoparticle with Effectiveness in Reducing the Viability of Triple Negative Breast Cancer <u>Adnan Berk Dinçsoy</u> , Ulviye Bunyatova
OC31	The Interplay Between Sirtuin 1 (SIRT1) and Autophagy/Mitophagy in Serum-Starved SH-SY5Y Cells <u>Yasemin Kartal</u> , nal Metin Tokat, Berkay Bozkurt, Pelin Kelicen Uğur, Murat Timur Budak
OC32	Ramelteon Exhibits Anticancer Effects in Different Types of Human Cancer Cells

	Senanur Türkol, Tuba Keskin, Güldeniz Şekerci, Çiğdem Tekin, Suat Tekin
OC33	Effects of intermittent fasting on oxidative stress, tissue histology, and behavioral parameters in acrylamide exposure. Aslı Şan Dağlı Gül, Okan Arıhan, Mahire Bayramoğlu Akkoyun, Hurrem Turan Akkoyun, Tuncer Kutlu, Ahmet Uyar, Ahmet Onur Daştan, Sezgi Fırat Özgür, Ayşen Erdem
OC34	Regulatory T Cells in Sickle Cell Anemia: Prognostic Value and Relationship with Non-Lymphocytic Leukocytes Rukiye Ölçüoğlu, Funda Tanrikulu, Sevtap Kılınç, Süheyl Asma, Can Boğa, Hakan Özdoğu, Eda Çakmak, İlknur Kozanoğlu
OC35	Protective Effects of Asiatic Acid on Organophosphate Poisoning Hakan Balci, Özge Darakcı, Figen Güzelgöl, Nilgun Yersal, Burcu Hatipoğlu, Rümeyza Abdullahoğlu, Ayhan Bozkurt
OC36	Effect of Apelin-13 on Percentage Change in Body Weight, Disease Activity Index, Colon Weight/Length Ratio and Mucus Content in the Colon Wall in an Experimental Colitis Model Kamil Erdoğan, Vecihe Nimet İzgüt-Uysal, Sevil Aksu, Özlem Özbey, İlknur Birsen
OC37	Investigation Of The Protective Effects Of Zinc Picolinate In An Experimental Ulcerative Colitis Model Gonca Han, Sevil Arabacı Tamer
OC38	Investigation of the Activity of Agomelatine on Some Female Reproductive Hormones in an Experimental Abortion Model Orhan Sayın, Ahmed Sait Bozyıl, Mehtap Pervin, Zeynep Dila Öz, Mehmet Rıdvan Özdede, Fatih Tan, Abdullah Yaşar, İhsan Serhatlıoğlu, Emine Kaçar
OC39	The Effect of Calorie Restriction on Hematological Parameters in the Aging Process Ayça Coşkun, Esra Toker, Arzu Keskin-Aktan, Kazime Gonca Akbulut
OC40	Investigation of Serum Obestatin and Ghrelin Levels in Girls Diagnosed with Central Precocious Puberty Fatma Büşra Kara, Sevinç Odabaşı Güneş, Hüdaverdi Kara, Onur Akın, Esin İleri Gürel
OC41	The Effect of Zinc Deficiency and Supplementation on Testis TEX101 and ZnT8 Expression in Maternal Zinc Deficient Rats Gözde Acar, Elif Gülbahçe Mutlu, Saltuk Buğra Baltacı, Rasim Moğulkoç, Abdulkerim Kasım Baltacı
OC42	The Effects of Humanin on Sexual Dysfunction and Sperm Parameters Rümeyza Esra Köm, Mehmet Emre Akipek, Eda Çoban Ercan, Ebru Gökdere, İbrahim Halil Güngör, Ahmet Tuluhan Atmaca, Gaffari Türk, Sinan Canpolat
OC43	Investigation of Effects of Repeated Hyperthermia on Skeletal Muscle and Motor Function in Mice Cansu Yakın, Cihan Suleyman Erdogan, Yunus Kosif, Bayram Yılmaz
OC44	Investigation of the Analgesic Interaction Between Melatonin and Clonidine on Rats Gülçin Durdağ, Emine Çakırgöz, Eser Öz Oyar
OC45	Differential Effects of Mast Cell Stabilizers on Mechanisms Responsible for Migraine in Experimental Migraine Models İbrahim Ethem Torun, Yasemin Baranoglu Kilinc, Erkan Kilinc
OC46	Attenuation of Neuropathic Pain by P2X7 Receptor Antagonist Brilliant Blue G Güner Çalış, Ataç Sönmez, Erhan Caner Akkaya, Helin Demirtaş, Bahar Dalkıran
OC47	Differential Physiological and Inflammatory Responses to Trypophobic Stimuli Elif Barış, Hasan Kazdağlı, Arda Kıpçak, Süleyman Öztürk, Deniz Ceylan, Ayşe Banu Demir, Burak Erdeniz
OC48	Investigating the Long-Term Effects of UNC2025-mediated Mer Tyrosine Kinase Inhibition after Neonatal Hypoxic Ischaemia Enes Doğan, Buse Balaban, Zeynep Balçıkanlı, Mehmet Serif Aydın, Nursena Şengün, Zehra Değirmenci, Ulkan Kilic, Taha Kelestemur, Mustafa Beker, Ertuğrul Kılıç
OC49	Effect of 1-Week 3',4'-Dihydroxyflavonol Administration on Motor Function and Learning in Rats: Role of AQP 4, Caspase 3 and IL-10 Tuğçe Aladağ, Gözde Acar, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
OC50	Central Neuropeptide-S Mitigates Cognitive Impairments by Regulating Hippocampal Synaptic Plasticity in Hemiparkinsonian Rats Ayşegül Gemici Sinen, Narin Derin, Osman Sinen
OC51	Potential Roles of Enriched Environmental Conditions on Motor Behavior in a Cerebellar Infarct Mice Model Ayten Kardaş, Sanem Aslıhan Aykan, Yavuz Yavuz, Bayram Yılmaz
OC52	Sleep Disorders with Individuals in Prediction with Cerebral Lateralization Reasoning Ability, Evaluation of Attention Melike Baştoklu, Beste Menteşe, Hikmet Yılmaz, Necip Kutlu
OC53	The Direct Effects Of SARS-COV-2 Spike Protein Subunit S1 on Secondary Hemostasis and Fibrinolysis Evren Kılınç, Fatıma Şeyma Elbeyoğlu, Batuhan Görkem İrez, Neslihan Özyaka, Zeynep Aslıhan Durer, Engin Sağdılek
OC54	Effects of Taurine Administration on Cognitive Functions, Apoptosis, miR-34a, Inflammation and Oxidative Stress Markers

	in Alzheimer's-Like Disease Rat Model <u>Burak Kayabaşı</u>, Nida Aslan Karakelle, Çisem Yeşil Kayabaşı, Zeynep Yığman, Sibel Dinçer
OC55	Conjunctival IgD, LL-37, and Pentraxin Levels and Their Relationship with Visual Electrophysiological Responses in the Development of Diabetic Retinopathy <u>Aykut Oruç</u>, Emre Tekkaya, Kadriye Yağmur Oruç, Hakkı Oktay Seymen
OC56	The Role and Mechanisms of Type-1 Diabetes, Insulin and Insulin Receptor in Migraine Pathophysiology İbrahim Ethem Torun, Hümeysra Çelik, <u>Erkan Kılınc</u>, Muhammet Güzel Kurtoğlu
OC57	Impact of Metallothioneins on DNA Damage and Apoptosis in Multiple Sclerosis: A Comparative Study Using Comet Assay <u>Hande Yüce</u>, Mehmet Tecelioğlu, Yasemin Berberoğlu, Kevser Tanbek, Şeyma Yaşar, İlker Ateş, Neşe Başak Türkmen, Songül Ünüvar, Süleyman Sandal
OC58	Effects of Circadian Rhythm Disruption on Cellular Survival and Brain Protein Profile in an Experimental Parkinson's Model <u>Enes Doğan</u>, Halil İbrahim Koç, Hayriye Ecem Yelkenci, Çiğdem Bayraktaroğlu, Ayşenur Özpınar, Buse Balaban, Serdar Altunay, Ertuğrul Kılıç, Mustafa Çağlar Beker
OC59	The Role of Astrocytes After Ischemic Stroke <u>Sevban Bayırlı</u>, Halil İbrahim Koc, Buse Balaban, Saltuk Bugra Baltacı, Serdar Altunay, Nursena Şengün, Zehra Değirmenci, Çiğdem Bayraktaroğlu, Mustafa Çağlar Beker, Ertugrul Kilic
OC60	Investigation of the Effect of Systemic Irisin Administration on Locomotor Activity and Learning-Memory Function in Cerebral Ischemia Model in Rats Aslı Karakılıç, Özgür Bulmuş, Emrah Özcan, Elif Aksöz, <u>Burak Şafak</u>, Yunus Emre Özer
OC61	A New Model of Depression: Earthquake-Induced Stress, Anxiety and Depression <u>Okan Tutuk</u>
OC62	Investigation of the Effects of Nicotinamide Riboside in a Ketamine-Induced Rat Model of Schizophrenia <u>İlkay Yılmaz</u>, Esin Yakıt, Fulya Tuzcu, Ersin O. Koylu
OC63	Differences in the Expression of Dopamine Receptor and Dopamine Transporter mRNAs in the Brains of Nicotine-Preferring Rats <u>Merve Pozlu Çifçi</u>, Ramazan Can Gökmen, Esin Yakıt, Doğaç Çetin, Ayşegül Keser, Lütfiye Kanıt, Ersin O. Koylu, Oğuz Gözen, Burcu Balkan
OC64	Investigation of the Effects of Agomelatine Administration on Apoptosis and Autophagy in Experimental Cerebral Ischemia/Reperfusion Modeled Rats <u>Semiha Nur Özkaya</u>, Kevser Tanbek, Furkan Yüksel, Suat Tekin
OC65	Rosmarinic Acid Exerts Neuroprotective Effects in the in vitro Alzheimer's Disease Model <u>Aysu Şen</u>, Canan Eroğlu Güneş, Ebru Nur Dursun, Ercan Kurar, Selim Kutlu
OC66	Investigation of Cytomorphological Changes of Astrocytes in the Amygdala in Alzheimer's Disease <u>Sevim Kandış</u>, David Vega-Avelaira, Miguel Ángel García Cabezas
OC67	Effect of Piriformis, Hamstring, Gastrocnemius-Soleus Muscle Statistic Stretch Exercises on Pain, Life and Sleep Quality in Women doing Instrumental Pilates Rahime Aslankoç, Özlem Cartılı, <u>Oğuzhan Kavruk</u>
OC68	Effects of Chemotherapy and Chronic Aerobic Exercise on Cognitive Functions in Glioblastoma Model Rats <u>Aslı Nur Bahar</u>, Leman Arslan Arıtürk, İkbāl Tan, Nisanur Duman, Nurhan Beyza Düzgün, Sakine Beyza Üstün, Zülal Sorkun, Banu Taktak Karaca, Dila Şener Akçora, Özgür Kasımay
OC69	Protective Effects Of Vitamin D On Pancreas Damage Induced By High-Fructose Corn Syrup Consumption <u>Cahide Aslan</u>, Rahime Aslankoç, Özlem Özmen, Buse Nur Sülük, Oğuzhan Kavruk
OC70	The Effect of Caffeine Intake on Respiratory Functions, Cardiopulmonary Exercise Test Parameters, and Post-Exercise Heart Rate Variability <u>Mert Ali Aydın</u>, Göktuğ Ömercioğlu, Ayşe Demirci Şahin, Zeynep Eda Erden, Yeşim Özçatal, Yaren Düşünceli, Serdal Kenan Köse, Metin Bastug
OC71	Effects Of Classical Massage On Some Myokines, Angiogenic and Antiangiogenic Factors In Male Individuals <u>Kamil Duran</u>, Mustafa Aktar, Durmuş Ayan, Durmuş Deveci

Poster Communications Program

07 November Thursday	12.00 – 12.45	PC01-PC40
08 November Friday	12.00 – 12.45	PC41-PC76
09 November Saturday	12.00 – 12.30	PC77-PC97

Poster Communications (PC01-PC97)

PC #	Poster Title & Authors
PC01	Protective effect of aerobic exercise against temozolomide-induced hepatotoxicity in rats with an experimental glioblastoma model <u>Aslı Nur Bahar</u> , Leman Arslan Arıtürk, İkbâl Tan, Nisanur Duman, Nurhan Beyza Düzgün, Sakine Beyza Üstün, Zülal Sorkun, Banu Taktak Karaca, Dila Şener Akçora, Özgür Kasımay
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PC03	Effect of Concentric and Eccentric Exercises on Some Myokines, Angiogenic and Antiangiogenic Factors in Male Individuals <u>Mustafa Aktar</u> , Kamil Duran, Durmuş Ayan, Durmuş Deveci
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