



PROGRAM BOOK



SAKARYA
ÜNİVERSİTESİ

1 – 4 November
2023

48th TURKISH
PHYSIOLOGY
CONGRESS

Sakarya University

100★



Turkish Society of Physiological Sciences
48th Turkish Physiology Congress
1 – 4 November 2023
Sakarya University Congress Center

01 November Wednesday	02 November Thursday	03 November Friday	04 November Saturday
10.00 – 15.00 Registration	08.30 – 12.00 Scientific Program	08.30 – 12.00 Scientific Program	08.30 – 11.30 Scientific Program
15.00 – 16.30 Oral Communications-I	12.00 – 13.00 Poster Communications	12.00 – 13.00 Poster Communications	11.30 – 12.15 Poster Communications
16.45 – 18.00 Congress Opening Session	13.00 – 14.00 Lunch	13.00 – 14.00 Lunch	12.15 – 13.00 Lunch
18.00 – 19.00 Opening Conference	14.00 – 17.30 Scientific Program	14.00 – 18.30 Scientific Program	13.00 – 15.00 Scientific Program
19.00 – 20.00 Reception	17.30 – 18.45 AGM of the TFBD	20.00 – 23.00 Gala Dinner	15.00 – 15.30 Awards & Closing Ceremony
	19.00 – 19.30 Turkish Music Concert		

1 November 2023 Wednesday

- 10.00 – 15.00 Registration
- 15.00 – 16.30 Salon A: Oral Communications (**OC01 – OC06**)
Chairs: Prof. Dr. Hale Sayan Özaçmak & Prof. Dr. Selda Kabadere
Salon B: Oral Communications (**OC07 – OC12**)
Chairs: Prof. Dr. Fatma Töre & Prof. Dr. Serpil Can
Salon C: Oral Communications (**OC13 – OC18**)
Chairs: Prof. Dr. Sinan Canpolat & Assoc Prof. Dr. Bilge Pehlivanoğlu
- 16.30 – 16.45 Coffee Break
- 16.45 – 17.15 Salon A: Congress Opening Session
Congress Opening
Respect to Masters (To the Memory of Prof. Dr. İsmail Meral)
- 17.15 – 18.00 TFBD Briefing
Turkish Physiology Congresses: Planning, Preparations and Abstract Books
TFBD Accreditation Report
Chair: Prof. Dr. Erdal Ağar
- 18.00 – 19.00 Conference 1: Olfactory Receptor 558 and Sex Differences in Blood Pressure (Virtual)
Jennifer Pluznick
Chair: Prof. Dr. Bayram Yılmaz
- 19.00 – 20.00 Opening Reception (Sakarya Congress Center)

02 November 2023 Thursday

- 08.30 – 10.30 Salon A: **Symposium 1: Methodology & Technology in Epilepsy Research**
Ahmet Şevki Taşkıran: Oxidative Stress, TRP Channels and the Role of TRPM2 in Epileptogenesis: An Integrative Perspective
M. Sinem Ethemoglu Sari: Advanced Technology in Experimental Epilepsy: Role of AgRP Neurons in Epilepsy
Vincent Magloire: Inhibitory Control of Cortical Excitability in Epilepsy
Mehmet Kaya: Blood Brain Barrier in Drug Resistant Epilepsy
Chairs: Prof. Dr. Mehmet Kaya & Prof. Dr. Ersin Koylu
- 08.30 – 10.30 Salon B: **Symposium 2: Physiology in Aerospace, Underwater and Hyperbaric Environment**
Akın Savaş Toklu: Physiology in Hyperbaric Environment
Nazım Ata: Aerospace Physiology
Abdullah Arslan: Physiology in Underwater
Chairs: Prof. Dr. Ahmet Ergün & Prof. Dr. Akın Savaş Toklu
- 10.30 – 11.00 Coffee Break
- 11.00 – 12.00 Salon A: **Conference 2: Targeting Polymerisation to Treat α 1-Antitrypsin Deficiency and the Serpinopathies**
David Lomas
Chair: Prof. Dr. Sadi Kurdak
- 12.00 – 13.00 Poster Communications (**PC001-PC040**)
- 13.00 – 14.00 Lunch
- 14.00 – 15.30 Salon A: Oral Communications (**OC19 – OC24**)
Chairs: Prof. Dr. Selim Kutlu & Assoc Prof. Dr. Mümin Alper Erdoğan
Salon B: Oral Communications (**OC25 – OC30**)
Chairs: Prof. Dr. Kubilay Uzuner & Prof. Dr. Özgür Kasımay
Salon C: Oral Communications (**OC31 – OC36**)
Chairs: Prof. Dr. Mustafa Gül & Prof. Dr. Naciye İşbil
- 15.30 – 16.00 Coffee Break
- 16.00 – 17.30 Salon A: **Mini Conferences 1 & 2: (Virtual)**
İdil Orhon (Radboud University): Monitoring Electrolytes and Water in Human Kidney Tubuloids
Kıvılcım Kılıç (Boston University): Chronic Cranial Windows for Long Term Multimodal Neurovascular Imaging in Mice
Chair: Prof. Dr. Bayram Yılmaz
- 16.00 – 17.30 Salon B: **Panel 1: Experimental Rat Models of Food Intake and Physical Activity: Relationships to Cardiovascular Physiology and Human Health**
Selma Arzu Vardar: High Fructose Diet and Physical Activity Models
Orkide Palabıyık: High Protein Diet and Physical Activity Models
Gülsün Memi: High Fat Diet and Physical Activity Models
Chairs: Prof. Dr. Hakkı Oktay Seymen & Prof. Dr. Selma Arzu Vardar
- 17.30 – 18.45 Salon A: AGM Turkish Society of Physiological Sciences
- 19.00 – 19.30 Salon A: Turkish Music Concert
Murat Can Dilber, Hamdi İtil & Tuncay Kardeş

03 November 2023 Friday

- 08.30 – 10.00 Salon A: Oral Communications (**OC37 – OC42**)
Chairs: Prof. Dr. Lütüfiye Kanit & Prof. Dr. Necip Kutlu
Salon B: Oral Communications (**OC43 – OC48**)
Chairs: Prof. Dr. Levent Öztürk & Prof. Dr. Burcu Gemici Başol
Salon C: Oral Communications (**OC49 – OC54**)
Chairs: Prof. Dr. Süleyman Sandal & Prof. Dr. Nilşel Okudan
- 10.00 – 10.30 Coffee Break
- 10.30 – 12.00 Salon A: **Symposium 3: Strenuous Exercise Related Cardiomyopathies and Mitophagy**
Özgür Kasımay: Strenuous Exercise and Overtraining Syndrome
Halil Düzova: The Role of Strenuous Exercise in the Formation of Cardiomyopathy via Endoplasmic Reticulum (ER) Stress and Mitophagy
Mustafa Gül: Exercise and Cardiomyopathies
Chairs: Prof. Dr. Nevzat Kahveci & Prof. Dr. Halil Düzova
- 10.30 – 12.00 Salon B: **Panel 2: Reflection of Electrodermal Activity to the Clinic**
Ferhan Esen: Scientific Basis of Electrodermal Activity
Nazan Dolu: Clinical Importance of Electrodermal Activity
Gülbahar Böyük Özcan: Current Trends in Electrodermal Activity Assessment
Chairs: Prof. Dr. Ümmühan İşoğlu & Prof. Dr. Nazan Dolu
- 12.00 – 13.00 Poster Communications (**PC041-PC080**)
- 13.00 – 14.00 Lunch
- 14.00 – 15.00 Salon A: **Conference 3: The Workings of the Tripartite Synapse**
Dmitri Rusakov
Chair: Prof. Dr. Ahmet Ayar
- 15.00 – 15.15 Coffee Break
- 15.15 – 17.15 Salon A: **Symposium 4: Role of the Vagus Nerve in the Interaction of Brain and Gastrointestinal System**
Berrak Yeğen: Role of Vagal Sensory Receptors in the Regulation of Food Intake and Cerebral Effects of Gut Microbiota
Sevil Arabacı Tamer: The Effects of Stomach-Brain Communication on the Regulation of Gastric Function: The Role of Vagus Nerve
Meltem Kalgazi: The Effects of Cholinergic Anti-Inflammatory Pathway on Inflammatory Bowel Diseases and the Role of Vagus Nerve
Zarife Nigar Özdemir Kumral: Understanding Brain-Gut Interaction by Using Experimental Models
Chairs: Prof. Dr. Neşe İmeryüz & Prof. Dr. Berrak Yeğen
- 15.15 – 17.15 Salon B: **Panel 3: Exercise in Lung Health**
Fadıl Özyener: Respiratory System Response to Exercise
Metin Baştuğ: Exercise-Induced Respiratory Pathologies
Sanlı Sadi Kurdak: Relationship Between Respiratory System and Athletic Performance
Chairs: Prof. Dr. Metin Baştuğ & Prof. Dr. Fadıl Özyener
- 17.15 – 17.30 Coffee Break
- 17.30 – 18.30 Salon A: **Conference 4 The Role of the Cardiac Lymphatics in Heart Repair and Regeneration**
Paul Riley

Chair: Prof. Dr. Numan Ermutlu

20.00 – 23.30 Gala Dinner

04 November 2023 Saturday

08.30 – 10.00 Salon A: Oral Communications (**OC55 – OC60**)

Chairs: Prof. Dr. Nuran Ekerbiçer & Prof. Dr. K. Gonca Akbulut

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

Chairs: Prof. Dr. Mehtap Kaçar & Prof. Dr. Bülent Gören

Salon C: Oral Communications (**OC67 – OC72**)

Chairs: Prof. Dr. Abdülkerim Kasım Baltacı & Prof. Dr. Berna Karakoyun Laçın

10.00 – 10.30 Coffee Break

10.30 – 11.30 Salon A: **Conference 5: Mechanisms to Medicines in Neurodegeneration**

Giovanna Mallucci

Chairs: Prof. Dr. Ertuğrul Kılıç

11.30 – 12.15 Poster Communications (**PC081-PC106**)

12.15 – 13.00 Lunch

13.00 – 15.00 Salon A: **Symposium 5: Irisin: A New Adipomyokine in Reproductive Physiology**

Haluk Keleştimur: Reproductive Physiology and Adipo-Myokines

Sinan Canpolat: Irisin Hormone in Pubertal Development

Ahmet Yardımcı: The Role of Irisin Hormone in the Central Regulation of the Reproductive System

Nazife Ülker Ertuğrul: Effects of the Irisin Hormone on Sexual Behavior

Chairs: Prof. Dr. Şeref Erdoğan & Prof. Dr. Haluk Keleştimur

13.00 – 15.00 Salon B: **Panel 4: ATP Sensitive Potassium Channels and Their Pathophysiological Importance**

Eylem Taşkın Güven: The Role of ATP-Sensitive Potassium Channels on Myocardial Ischemia-Reperfusion Injury

Eylem Suveren: Pharmacology of ATP Sensitive Potassium Channels

Salih Tunç Kaya: Myocardial Infarction in Diabetes and Its Relationship with K_{ATP} Channels

Hayriye Soytürk: The Physiological and Pathophysiological Roles of ATP Sensitive Potassium (KATP) Channels in the Central Nervous System

Chairs: Prof. Dr. Ayşen Erdem & Prof. Dr. Eylem Taşkın Güven

15.00 – 15.30 Salon A: Awards & Closing Ceremony

Chairs: Prof. Dr. Erdal Açar & Prof. Dr. Vural Küçükataçay

Oral Communications Program

1 November Wednesday	15.00 – 16.30	OC01-OC18
2 November Thursday	14.00 – 15.30	OC19-OC36
3 November Friday	08.30 – 10.00	OC37-OC54
4 November Saturday	08.30 – 10.00	OC55-OC72

Oral Communications (OC01-OC72)

No	Abstract Title & Authors
OC01	Neuroprotective Effects of Vasoactive Intestinal Peptide (VIP) and Pituitary Adenylate Cyclase-Activating Polypeptide-38 (PACAP-38) in Amyotrophic Lateral Sclerosis (ALS) Mouse Model <u>Işıl Tan Yılmaz</u> , Orhan Tansel Korkmaz, Gökhan Kuş, Elif Mine Öncü Kaya, Cemile Ceren Meral Eviş, Mustafa Eser, Emel Ulupınar, Neşe Tunçel
OC02	The MT2 Receptor-Mediated Therapeutic Effects of Melatonin in In-Vivo and Ex-Vivo Rat Models of Migraine <u>Erkan Kılınç</u> , İbrahim Ethem Torun, Yasemin Baranoğlu Kılınç, Fatma Töre
OC03	Does Neurokinin 3 Receptor Agonism Affect Hippocampal Neurogenesis in an Experimental Rat Model of Alzheimer's Disease? <u>Raviye Özen Koca</u> , Z. Işık Solak Görmüş, Hatice Solak, Fatma Seçer Çelik, Ercan Kurar, Selim Kutlu
OC04	The role of Glycogen Synthase Kinase-3β in the Zinc-Mediated Neuroprotective Effect of Metformin in Rats with Glutamate Neurotoxicity <u>Aykut Oruç</u> , Kadriye Yağmur Oruç, Karolin Yanar, Murat Mengi, Aysel Çağlar, Bahar Öztürk Kurt, Mehmet Altan, Osman Fuat Sönmez, Ufuk Çakatay, Hafize Uzun, Gönül Şimşek
OC05	Evaluation of the Role of Asprosin in Neuronal Survival/Death Pathways in Cerebral Ischemia/Reperfusion Injury <u>Kevser Tanbek</u> , Suleyman Sandal
OC06	The Effect of Irisin Hormone on Motor Function in Thorocal Spinal Cord Injury Model <u>Meryem Sedef Doğru</u> , Seçil Yılmaz, Mehmet Rıdvan Özdede, Furkan Bilek, Özgür Bulmuş, Zübeyde Ercan
OC07	Investigation of the Therapeutic Effect of Spexin in Acetic Acid-Induced Colitis Model in Rats <u>Sevil Arabacı Tamer</u> , Fadime Köse, Özcan Budak, Cahit Bağcı
OC08	Effects of One-Time Linalool Administration at Different Doses on Acute Mesenteric Ischemia Reperfusion Injury <u>Ferhat Şirin Yıldız</u> , Rauf Onur Ek, Duygu Koyuncu Irmak
OC09	High Fat Diet Impairs Duodenal Motor Functions through Enteric Apelinergic System in Juvenile Rats Betül Uslu, Simla Su Akkan, Tanaz Onsinejad, Mehmet Bülbül
OC10	The Impact of Various Diets and Exercise on an Experimental Ulcerative Colitis Model in Rats <u>Rüstem Ateşoğlu</u> , Fahri Bayıroğlu, Mehmet Salih Kaya, Sevil Cayli, Gülben Akcan
OC11	The Effects of Carvacrol on Cadmium-Induced Damaged on Gastrointestinal Contractility on Rats <u>Ülfet Farisoğlu</u> , Emine Koç, Güzde Öğütçü, Aysel Kükner
OC12	Investigation of In Vitro Effects of Paracetamol on Contractions of Jejunum and Ileum Smooth Muscles in Dioestrus Female Rats <u>Ahmed Sait Bozyıl</u> , Emine Kaçar, Orhan Sayın, Mehtap Pervin, Zeynep Dila Öz, Münevver Gizem Hekim, İhsan Serhatlıoğlu
OC13	Effects of Chronic Intermittent Hypoxia on Angiogenesis Functions of Platelets and Localization of Multipotent Epithelial Stem/Progenitor Cells in the Lung <u>Ayşe Demirci Şahin</u> , Emel Güneş, Göktaş Ömercioğlu, Ayşe Hande Yozgat, Deniz Billur, Metin Baştuğ
OC14	Protective Effect of Sirtuin 2 Inhibition In D-Galactose-Induced Renal Aging And Fibrosis <u>Arzu Keskin-Aktan</u> , Aslı Nur Bahar, Saadet Özen Akarca Dizakar, Kazime Gonca Akbulut
OC15	Adenosine 2A Receptor Activation Enhances Acute Hypoxic Ventilatory Response via Downregulated Hif-1 Alpha

	<p>Expression in Hypoxic Severity <u>Seher Berna Kirdok Tansu</u>, Guzide Satir Basaran, Kemal Erdem Başaran</p>
OC16	<p>Purification and Characterization of Very Small Embryonic-Like (VSEL) Stem Cells from Apheresis Material by a Microfluidic System <u>Nilgün Okşak</u>, Sultan Şahin Keskin, Esin Aktaş, Zeynep Dogusan Yamalıoğlu, Levent Trabzon, Serap Erdem Kuruca</p>
OC17	<p>Hematological Parameters and Nutritional Status of the Elderly in Outpatient Follow-Up <u>Mehmet Göl</u>, Kazım Ersin Altınsoy, Ibrahim Halil Türkbeyler</p>
OC18	<p>The Effect of Ganoderic Acid Treatment on Arthritis Parameters in Mice with Collagen-Induced Rheumatoid Arthritis Model <u>Ayşenur Demir</u>, Derya Güzel Erdoğan</p>
OC19	<p>Ethogram Analysis with Classical Labyrinth Maze: Evaluating Behavioral Fluctuations of Thyroidectomized Female Rats <u>Sinan Kandır</u>, Fatıma Uzan, Tuğrulhan Özden, Özlem Gür ipek</p>
OC20	<p>Investigation of the Effects of Catecholaminergic Neurons in the Hypothalamic Arcuate Nucleus on Food Intake, Metabolism and Behavior in Transgenic Mice <u>H. Buğra Özgün</u>, Uğur Faruk Kalkan, Cihan Suleyman Erdogan, Yavuz Yavuz, Bayram Yılmaz</p>
OC21	<p>Investigation of Neuromedin U and Receptor Changes in Hypothalamic Obesity Model Induced by MSG Injection İsmail Hakkı Akbudak, <u>Hasan Akça</u>, Tunahan Anber, Fatih Altıntaş, Melek Tunç Ata, Vural Küçükatay</p>
OC22	<p>Meteorin-Like Protein Reduces Oxidative Damage in Diabetic Mice <u>Furkan Yüksel</u>, Suat Tekin, Mete Özcan, Çiğdem Tekin</p>
OC23	<p>Ketogenic Diet and Intermittent Fasting Improve Obesity-Associated Biochemical Parameters in Rats <u>Büşra Öztürk Yozdhan</u>, Songül Doğanay, Nawar Imad Ahmed Ahmed, Mehmet Ramazan Şekeroğlu</p>
OC24	<p>Relationship of Dietary Zinc Status with Pubertal Parameters and Cognitive Functions in Male Offspring of Pregnant Rats Fed a Zinc-Deficient Diet <u>Omer Unal</u>, Saltuk Bugra Baltacı, Elif Gulbahce Mutlu, Nilufer Akgun Unal, Rasim Mogulkoc, Abdulkemim Kasim Baltacı</p>
OC25	<p>The Role of Adropin in Metabolic Syndrome and Cardiac Remodeling <u>Ahmet Hulusi Yeşil</u>, Çiğdem Özer, Saadet Özen Akarca Dizakar</p>
OC26	<p>Effect of Serotonin 5-HT_{2B} Receptor Antagonist on Isoproterenol-Induced Myocardial Hypertrophy Model in Mice <u>Merve Temel Özden</u>, Hasan Fehmi Özel, Seda Vatanserver, Mustafa Özbek</p>
OC27	<p>Role of Erythrocytes in Phenylephrine-mediated Vascular Contraction Responses <u>Ahmet Yıldırım</u>, Ülkü Arslan Yıldız, Filiz Basralı, Pınar Ülker</p>
OC28	<p>Investigation of the Efficacy of Asprosin Given with Brain Infusion Kit on Reproductive Organs and Testosterone Hormone in Male Rats <u>Emine Kacar</u>, Fatih Tan, Mehmet Rıdvan Özdede, Zeynep Dila Öz, İhsan Serhatlıoğlu, Bayram Yılmaz, Haluk Keleştimur</p>
OC29	<p>Metformin Administration Increases Left Ventricular Sestrin1 Gene Expression in Fructose-Rich Fed Rats <u>Esra Akbaş Tosunoğlu</u>, Muhammed Ali Aydın, Ebru Taştekin, Selma Arzu Vardar</p>
OC30	<p>Voluntary Physical Activity Increases AKT and Suppresses ERK Activation in the Left Ventricle of Female Rats in the High Fructose Feeding-Induced Metabolic Syndrome <u>Nihayet Fırat</u>, Muhammed Ali Aydın, Ebru Taştekin, Nurettin Aydoğdu, Nejdet Süt, Selma Arzu Vardar</p>
OC31	<p>Oxytocin Modulates the Thiol/Disulphide Homeostasis in Acute Stress Exposed Rats <u>Hilal Korkmaz</u>, Salim Neşelioğlu, Özcan Erel, Bilge Pehlivanoğlu</p>
OC32	<p>Investigation of the Effects of Phoenixin-14 on the Brain Tissues of Rats induced with Experimental Cerebral Ischemia Model <u>Damla Anıl Çelebi</u>, LEMAN Arslan, Leyla Semiha Sen, Meral Yuksel, Berrak Yegen, Dilek Akakin</p>
OC33	<p>Intranasal Administration of Kisspeptin-54 Alleviates Motor Impairments in Hemiparkinsonian Rats Ayşegül Gemici, <u>Osman Sinen</u></p>
OC34	<p>Preconditioning and Nicotinamide Attenuate Oxidative Stress Damage Induced by Cerebral Ischemia-Reperfusion in Rats <u>Ruhat Arslan</u>, Songul Doganay, Özcan Budak, Nurten Bahtiyar</p>

OC35	Effects of Mu Opioidergic Receptors on Endoplasmic Reticulum Stress in the Hypothalamus on Rats <u>Aysu Şen</u> , Canan Eroğlu Güneş, Kaniye Zeynep Çalışkan, Zeliha Erkaya, Ebru Nur Dursun, Ercan Kurar, Selim Kutlu
OC36	The Effect of Taurine on Clusterin and Sestrin Expressions in Apoptotic and Neurodegenerative Process Induced by Intrahippocampal Amyloid Beta 1-42 Injection <u>Nida Aslan Karakelle</u> , Burak Kayabaşı, İlayda Numanoglu, Sibel Dinçer
OC37	The Effect of Escitalopram on Spike Wave Discharges in Genetic Absence Epileptic WAG/Rij Rats <u>Burcu Hatipoğlu</u> , Gökhan Arslan, Erdal Açar, Mustafa Ayyıldız
OC38	The Effect of Long-Term Administration of Acetylcholinesterase Inhibitor Rivastigmine on Spike Wave Discharges, Learning-Memory, Anxiety and Trpv1 Gene Expression in Genetic Absence Epilepsy with WAG/Rij Rats <u>Elif Türkdönmez Ak</u> , Büşra Okuyucu, Emre Soner Tiryaki, Gokhan Arslan, Erdal Agar, Mustafa Ayyıldız
OC39	The Effect of Acute and Chronic Harmaline Administration on Penicillin Induced Epileptiform Activity in Rats <u>Kayhan Özkan</u> , Şerif Demir
OC40	Esculetin Exerts Anti-Nociceptive Effects by Suppressing CGRP and c-fos Expression and Mast Cell Activation in an Experimental Migraine Model <u>Ayça Nur Gönül</u> , İbrahim Ethem Torun, Yasemin Baranoglu Kilinc, Erkan Kilinc
OC41	Neurobiological and Cognitive Effects of Repeated Neonatal Administration of Ketamine and Dexmedetomidine in Rats <u>Simay Alcan Kırtas</u> , Özbeyen Atalay, Gökhan Burçin Kubat, Meltem Tuncer
OC42	Antioxidant, Anti-Inflammatory, and Antiapoptotic Effects of Ramelteon on Brain Injury Induced by Ionizing Radiation in Rats Sedat Aydın, <u>Tülay Akan</u> , Özden Kutlay, Halil Aşçı, Emine Elif Özkan, Sefa Çelik
OC43	Investigation of Electrodermal Activity for Cafeteria Diet Induced Cancer Cases for Rats <u>Ümmü Gülşen Bozok</u> , Gülbahar Büyük Özcan, Hikmet Taner Teker, Taha Ceylani, Tuğçe Şençelikel, Zeynep Tuğçe Sertkaya, Nazan Dolu
OC44	Effect of Serotonin 1A Receptor Antagonist WAY 100635 on Mouse Cochlear Nucleus <u>Beytullah Özkaya</u> , Caner Yıldırım, Ramazan Bal
OC45	Efficacy of Sinapic Acid Administration in a Model of Penicillin-Induced Epilepsy <u>Ayça Coşkun</u> , Ersin Beyazçiçek, Özge Beyazçiçek
OC46	Investigation of Acid-Sensing Ion Channels (ASICs) of Bushy Neurons in the Mouse Cochlear Nucleus <u>Ziya Çakır</u> , Ramazan Bal
OC47	The Influence of High Fat Diet Consumption on Autonomic Neurocircuitry in Juvenile Rats <u>Tanaz Onsinejad</u> , Simla Su Akkan, Betül Uslu, Mehmet Bülbül
OC48	Effects of Humanin on Pubertal Transition and Sexual Maturation in Male Rats <u>Ebru Gökdere</u> , Nazife Ülker Ertuğrul, Mehmet Emre Akipek, Rümeyza Esra Köm, Eda Çoban Ercan, Sinan Canpolat
OC49	Effect of Paclitaxel with a STAT3 Pathway Inhibitor on Metastasis in the Treatment of Triple Negative Breast Cancer <u>Adnan Berk Dinçsoy</u> , Esra Gedikli, Süleyman Can Öztürk, Erblina Nikshiqi, Veysel Özgür Barış, Elif Karakoç, Sevda Müftüoğlu, Güneş Esendağlı, Ayşen Erdem
OC50	Effect of Notch, IL-1 and Leptin (NILCO) inhibition on proliferation, migration and angiogenesis in colorectal cancer <u>Zeynep Erten</u> , Aysel Gültekin, Mete Özkurt, Nilüfer Erkasap
OC51	The Potential Anti-cancer Effects of Nitric Oxide Donor Sodium Nitroprusside On HL-60 Leukemia Cells <u>Seyhan Taşkın</u> , Hakim Çelik
OC52	Investigation of the Effect of Irisin Hormone on the Viability of Hypothalamic Cell Lines <u>Eda Çoban Ercan</u> , Tuba Keskin, Aysun Üçer, Sinan Canpolat
OC53	The Effect of Astrocyte-Derived Fatty Acid-Binding Protein 7 on Blood-Brain Barrier Integrity in LPS-Induced Inflammation <u>Deniz Altunsu</u> , Arzu Temizyürek, Ecem Ayvaz, Mehmet Kaya, Bülent Ahışalı
OC54	AGK-2 Protects the Tymus Against D-Galactose Induced Senescence in Rats <u>Aslı Nur Bahar</u> , Hatice Kavak, Arzu Keskin-Aktan, Saadet Ö. Akarca Dizakar, Ayça Coşkun, Kazime Gonca Akbulut
OC55	Effects of Nicotine Withdrawal on Anxiety and Depression-Like Behaviors in Nicotine Preferring Rat Lines

	<u>Sefa Furkan Demirci</u> , Ramazan Can Gökmen, Merve Pozlu Çiftçi, Esin Yakıt, Doğaç Çetin, Lütfiye Kanıt, Oğuz Gözen, Ayşegül Keser, Ersin Oğuz Koylu, Burcu Balkan
OC56	Stress-Induced Heart Rate Variability Under the Conditions of Acute Sleep Deprivation: Effects of Caffeine or Nap <u>Nurcan Erdoğan Kurtaran</u> , Gülnur Öztürk, Samime Şarlı Gündüz, Elif Ezgi Gürel, Ümmühan Erge, Levent Öztürk
OC57	Role of Exogenous and Endogenous Melatonin in REM Sleep Restriction-Induced Pain Model <u>Samime Şarlı Gündüz</u> , Levent Öztürk, Oktay Kaya, Mehmet Akif Ovalı
OC58	Effect of Two Weeks Naringin Supplementation on Neurogenesis and BDNF Levels in Ischemia-Reperfusion Model of Rats <u>Esen Yılmaz</u> , Gözde Acar, Ümmügülsüm Önal, Ender Erdoğan, Abdulkerim Kasım Baltacı, Rasim Moğulkoç
OC59	Effect of Epigallocatechin Gallate on Peripheral Proinflammatory Cytokines in the Rat Model of 6-OHDA-Induced Parkinson's Disease <u>Meriç Demeli Ertus</u> , Deniz Önal, Özbeyen Atalay, Bilge Pehlivanoğlu
OC60	The Effect of Topiramate on Nitrosative Stress, Inflammation and Apoptosis in Non-Alcoholic Fatty Liver Disease Sevtap Kılınç, <u>Pelin Şahin</u> , Ayşe Meltem Sevgili
OC61	The Healing Effect of Chronic Exercise on Sirtuin-1, Sestrin-2 and GLUT-4 Proteins with Impaired Expression in Heart Tissue in a Diabetic Elderly Female Rat Model <u>Nazlı Hilal Eke</u> , Elif Gülbahçe Mutlu, Gozde Acar, Ayyüce Kumaş, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
OC62	Effects of Regular Exercise on Respiratory Function and Cardiopulmonary Exercise Test Parameters in Young Individuals Exposed to Air Pollution for a Long Time in Adolescence <u>Gökтуğ Ömercioğlu</u> , Aslı Sena Gümüşlü, Aybala Tatar, Bengisu Turan, Oğuzhan Uğurel, Ayşe Demirci Şahin, Yeşim Özçatal, Metin Baştuğ
OC63	The Effect of Apricot Added Sports Drink on Cardiac Mitochondrial Dysfunction in High Intensity Exercising Rats <u>Muhammed Yusuf Özer</u> , Halil Düzova, Mehmet Gül, Özge Arslan, Furkan Elmas, Ahmet Koç, Gökhan Durmaz, Semir Gül, Çiğdem Özden
OC64	The Protective Role of Melatonin Against Oxidative Stress Caused by Overtraining Syndrome Leman Arslan Arıtürk, <u>Aslıhan Çakıl</u> , Selcan Öztürk, İrem Kumcu, Asiye Sude İnce, Zeynep Ceyda Çatak, Barış Uyanık, Dilek Akakin, Özgür Kasımay Çakır
OC65	Chronic Exercise Prevents Tissue Damage, Improves Learning Abilities, Nogo-A, and Klotho Gene Expression, an Anti-Aging Protein, in Diabetic Elderly Female Rat Hippocampus Saltuk Buğra Baltacı, <u>Gözde Acar</u> , Elif Gülbahçe Mutlu, Ayşenur Feyza Bayıroğlu, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
OC66	The Impact of Orlistat on Nitrosative Stress and Paraoxonase-1 Enzyme Activity in Serum, Heart, Kidney, and Testicular Tissues of Rats with Experimentally Induced Obesity <u>Sevtap Kılınç</u> , Rukiye Ölçüoğlu, Ayşe Arzu Yiğit
OC67	Evaluation of the Relationship Between Serum Metallothionein and Trace Element Levels in Multiple Sclerosis Patients <u>Hande Yüce</u> , Mehmet Tecelioğlu, Kevser Tanbek, Şeyma Yaşar, Neşe Başak Türkmen, İlker Ateş, Songül Ünüvar, Süleyman Sandal
OC68	Comparative Investigation of Serum Nesfatin-1 and Phoenixin-14 Levels in Newly Diagnosed Type 2 Diabetes Mellitus Patients <u>Hülya Buzcu</u> , Ümit Akköse, Berna Karakoyun
OC69	Investigation of Physiological Effects of Autonomous Sensory Meridian Response using Electro Dermal Activity and Heart Rate Variability Methods <u>Sezgi Fırat Özgür</u> , Kutlu Kaya, Kardelen Pekaslan, Serkan Karaismailoglu, Okan Arıhan, Murat Perit Çakır, Ayşen Erdem
OC70	Comparison of Albumin/Globulin, Albumin/Creatinine and Albumin/Neutrophil Values in Normal and Preeclamptic Pregnancies Tülay Akan, <u>Özden Kutlay</u> , Arzu Keskin Aktan, Özlem Kayacık Günday
OC71	Menstrual Cycle Phases and Hand Preference Influence on Nerve Conduction Velocity <u>Beste Menteşe</u> , Necip Kutlu
OC72	Investigation of the Effects of SARS Cov2 Spike Protein S1 Subunit on Hemostasis by Thromboelastogram <u>Fatma Özer</u> , Öznur Gürel, Engin Sagdilek, Evren Kılınç

Poster Communications Program

2 November Wednesday	12.00 – 13.00	PC001-PC040
3 November Friday	12.00 – 13.00	PC041-PC080
4 November Saturday	11.30 – 12.15	PC081-PC106

Poster Communications (PC001-PC107)

PC #	Poster Title & Authors
PC001	The Effect of Milrinone in Penicillin-Induced Epileptic Activity <u>Büşra Okuyucu</u> , Elif Türkdönmez Ak, Emre Soner Tiryaki, Mustafa Ayyıldız, Gökhan Arslan, Erdal Açar
PC002	Orexinergic and Canabinoid CBI Receptor Interaction in WAG/Rij Rats with Genetic Absence Epilepsy Fatma Banu Ayçık, <u>Elif Türkdönmez Ak</u> , Mustafa Ayyıldız, Erdal Açar
PC003	The Effect of Transient Receptor Potential Melastatin 2 Antagonist in the Mice Dorsal Raphe Serotonergic Neurons <u>Afifa Najat</u> , Beytullah Özkaya, Ramazan Bal
PC004	Investigation of Possible Effects of Melatonin Administration on Premenstrual Syndrome in Rats with a Premenstrual Syndrome Model <u>Orhan Sayın</u> , Elfin Sevindik, Ahmed Sait Bozyil, Mehtap Pervin, Ayşe Akmeşe Atlı, Emine Kaçar
PC005	Effects of Agomelatine on Food Intake and Body Weight in Ovariectomized Rats <u>Engin Korkmaz</u> , Asiye Beytur, Suat Tekin
PC006	The Role of Obestatin Peptide on Binge Eating Behavior in Chronically Stressed Rats <u>Hatice Sude Yıldız</u> , Negrican Saya, Eren Cem Kartal, Gülsün Memi
PC007	The Effect of Exogenous Melatonin on Blood Glucose in a Model of Experimental Chronic Sleep Deprivation <u>Tuğba Kızıllı Gül</u> , Oktay Kaya, Fulya Öz Puyan, Levent Öztürk
PC008	The Relationship Between Dietary Zinc Status and Pubertal Parameters in Offspring Female Rats Born to Zinc-Deficient Diet-fed Mothers Buse Günaydın Turker, <u>Nilüfer Akgun Unal</u> , Elif Gulbahçe Mutlu, Saltuk Bugra Baltacı, Omer Unal, Rasim Mogulkoc, Abdulkerim Kasim Baltacı
PC009	The Effect of Taurine on Anxiety and Locomotor Activity in Lipopolysaccharide-Induced Neuroinflammation <u>Nida Aslan Karakelle</u> , Yasemin Atıcı, Safiye Göçer
PC010	Investigation of Some Nutrition-related Neuropeptide Expressions in Hypothalamus Tissues of Offspring Exposed to Maternal Depression and Sertraline Treatment. Hatice Solak, Raviye Özen Koca, Canan Eroğlu Güneş, Faruk Uğuz, Mehmet Ak, Zafer Şahin, Ercan Kurar, <u>Selim Kutlu</u>
PC011	Salusin-alpha and Salusin-beta Levels in Parkinson's Disease, Alzheimer's Disease and Acute Ischemic Stroke <u>Murat Çakır</u> , Hikmet Saçmacı
PC012	Investigation of the Effects of Prodynorphin Neurons in the Fastigial Nucleus on Locomotor Activity and Anxiety in Transgenic Mice <u>Uğur Faruk Kalkan</u> , Hüseyin Buğra Özgün, Busenur Bolat, Yavuz Yavuz, Bayram Yılmaz
PC013	The Effect of Selective Alpha-2 Adrenergic Receptor Agonist Dexmedetomidine on Prefrontal Cortex Cholinergic System and BDNF Levels in Rats with Cognitive Impairment Model <u>Sinan Saral</u> , Tolga Mercantepe, Atilla Topçu, Ali Koray Kaya, Aykut Öztürk
PC014	Effect of Curcumin on Doxorubicine Due Neurotoxicity and Cognitive Functions Nilsel Okudan, Muaz Belviranlı, <u>Tuğba Sezer</u>
PC015	Neuroendocrine Gene Expression Alterations in Traumatic Brain Injury Mice Model with Controlled Cortical Impact <u>Arif Kamil Salihoğlu</u>

PC016	The Effects of Chronic Asprosin Administration on Monoamine Levels in the Arcuate Nucleus, Ventromedial Hypothalamus and Dorsomedial Hypothalamus Regions <u>Mehmet Rıdvan Özdede</u> , Emine Kacar, Zeynep Dila Öz, Aslışah Özgen, İhsan Serhatlıoğlu, Bayram Yılmaz, Haluk Keleştimur
PC017	Vasoactive Intestinal Peptide Differentially Modulates Neurogenesis in Experimental Parkinson's Disease Models <u>Cemile Ceren Meral</u> , Orhan Tansel Korkmaz, Neşe Tuncel
PC018	Irisin Hormone After Spinal Cord Injury Investigation of the Effects on Body Weight, Feed and Water Consumption <u>Seçil Yılmaz</u> , Meryem Sedef Dođru, Zübeyde Ercan
PC019	The Effects of Luteolin on Basal and Nitroglycerin-Induced CGRP Release from Ex-Vivo Rat Meningeal Preparations Bassem Saleh Jameel, <u>İbrahim Ethem Torum</u> , Yasemin Baranođlu Kılınç, Erkan Kılınç
PC020	Effects of Adolescent Tactile Stimulation on Epilepsy and Depression in Rats with Genetic Absence Epilepsy <u>Gül İlbay</u> , Uđur Eryılmaz, Aymen Balıkçı, Vildan Keleş Güler
PC021	Intermittent Fasting Improves Locomotor Functions through Central Ghrelin <u>İrem Akçalı</u> , Betül Uslu, Tanaz Onsinejad, Simla Su Akkan, Mehmet Bülbül
PC022	The Effect of Exercise and Vanillic Acid Treatments on Early Life Stress-Related Depression and Anxiety <u>Fadime Köse</u> , Sevil Arabacı Tamer, Özcan Budak
PC023	Does Repeated Lipopolysaccharide Exposure in Early Adolescence Affect Behavior, Microglia and Synapse Plasticity in the Adult Brain? <u>Gözde Yılmaz</u> , Necip Kutlu, Elgin Türköz Uluer, Beste Mentşe
PC024	Effects of Agomelatine on Pain Behavior in Ovariectomized Rats <u>Engin Korkmaz</u> , Asiye Beytur, Suat Tekin
PC025	1 Week 3',4'-Dihydroxyflavonol Supplementation Prevents AQP4 Increase and Apoptosis in Brain Ischemia Reperfusion of Rats <u>Tuğçe Aladađ</u> , Gozde Acar, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
PC026	Electrophysiological Effects of Lasidipine on Penicillin-Induced Experimental Epilepsy Model <u>Ayça Yavuz</u> , Ayhan Çetinkaya
PC027	The Effect of Two Weeks Naringin Supplementation on Inflammatory Processes in the Cerebellum in Experimental Brain Ischemia in Rats Zübeyde Dut, Gözde Acar, <u>Esen Yılmaz</u> , Tuğçe Aladađ, Rasim Mođulkoç, Abdulkerim Kasim Baltaci
PC028	Dietary Zinc Status is Associated with ZnT3 (SLC30A3), IL-6 Gene Expressions and Spinal Cord Tissue Damage in Spinal Cord Tissue in a Cuprizone-Induced Rat Multiple Sclerosis Model <u>Ayşenur Feyza Bayırođlu</u> , Gözde Acar, Elif Gülbahçe Mutlu, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
PC029	The Effect of Darbepoetin Alpha on Anxiety in a Neuroinflammation-Induced Rat Model <u>Hasan Çalışkan</u> , Deniz Önal, Erhan Nalçacı
PC030	The Effect of Dietary Zinc Status on ZEB1 Levels in Muscle and Bone Tissue in Maternal Zinc Deficiency Rats Osman Alçay, <u>Elif Gulbahce Mutlu</u> , Ömer Unal, Saltuk Bugra Baltaci, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
PC031	Evaluation of the Effect of Taurine and Doxorubicin Combination on Apoptosis and Metastasis in Triple Negative Breast Cancer <u>Esra Gedikli</u> , Adnan Berk Dinçsoy, İlker Levent Erdem, Elif Karakoç, Sevda Müftüođlu, Ayşen Erdem
PC032	Effect of Carvacrol on Biochemical and Behavioral Parameters in Acute Floride Administration Nigar Abbak, Aslı Şan Dađlı Gül, Mustafa Görmüş, Hurrem Turan Akkoyun, Mahire Bayramođlu Akkoyun, <u>Okan Arihan</u>
PC033	The Effect of Chronic Exercise on Hippocampal Glucose Metabolism and Tissue Damage in Diabetic Elderly Female Rats Ayyuce Kumas, <u>Elif Gulbahce Mutlu</u> , Gozde Acar, Nazli Hilal Eke, Rasim Mogulkoc, Abdulkerim Kasim Baltaci
PC034	The Effect of Ginkgo Biloba on Anxiety and Oxidative Stress Parameters in Healthy Young Rats <u>Elif Azra Arnous</u> , Ayse Arzu Yiđit
PC035	Effect of Probiotic Supplementation on Serum Zonulin Levels in Mice with Altered Light-Dark Cycles Arzou Kiose Serif, <u>Büşra Tepebaşı</u> , Mehtap Ünlü Söğüt
PC036	Anti-Apoptotic Effect of Neuropeptide-S on Paraquat-Induced Cellular Model of Parkinson's Disease

	<u>İrem Akçalı</u> , Ebral Çubukcu, Simla Su Akkan, Gonca Koçancı, Dijle Kipmen Korgun, Aysel Ağar, Mehmet Bülbül
PC037	The Role of Oxytocin Receptor Gene Polymorphisms in Sex-Specific Functional Brain Network Topology <u>Kutlu Kaya</u> , Deniz Önal, H. Kader Karlı Oğuz, Bilge Pehlivanoglu
PC038	The Effects of Orlistat on Spatial Memory, Recognition Memory and Hippocampal Tissue in Experimentally Induced Obesity in Rats Ayse Arzu Yigit, Sevtap Kılınç, <u>Rukiye Ölçüoğlu</u> , Elif Azra Arnous
PC039	The Importance of Serum Vitamin B12, Folic Acid and Ferritin Levels in Acute Ischemic Stroke Patients <u>Gül Şahika Gökdemir</u>
PC040	Effects of Opto- and Chemo-genetic Modulation of Hypothalamic Arcuate Nucleus Kisspeptin Neurons on Luteinizing Hormone, Progesterone and Estrogen Levels in Kiss-Cre Polycystic Ovarian Syndrome Mouse Model <u>Zehra Yağmur Erol</u> , Ecem Yıldırım, Tuğçe Öner, Özge Başer, Yavuz Yavuz, Aylin Yaba Uçar & Bayram Yılmaz
PC041	The Effect of High-Intensity Interval Training (HIIT) on dexamethasone-induced insulin resistance and Apo J, LRP2 levels in rats Dilara Karakaya, <u>Seda Koçak</u> , Hasan Çalışkan, Göktuğ Ömercioğlu, Ayşe Hande Yozgat, Deniz Billur, Metin Bastug
PC042	The Effect of Regular Exercise on the Relationship Between Heart Rate Variability and Fit-Fat Index Parameters in Young Adults Exposed to Air Pollution During Adolescence <u>Yeşim Özçatal</u> , Göktuğ Ömercioğlu, Ayşe Sena Gümüşlü, Aybala Tatar, Bengisu Turan, Oğuzhan Uğurel, Ayşe Demirci Şahin, Süleyman Köse, Metin Baştuğ
PC043	The APJ Receptor Contributes to Varicocele-Induced Testicular Damage in Rats <u>İlknur Birsen</u> , Simla Su Akkan, Melike Uçak, Özlem Özbey Ünlü, Vecihe Nimet İzgüt Uysal, Mustafa Faruk Usta, İsmail Üstünel
PC044	Investigation of The Effects of Frovatriptan on Uterine Contractons in Pregnant and Non-Pregnant Rats <u>Mehtap Pervin</u> , Zeynep İlayda Baykendi, İrem Sude Şahin, Ahmed Sait Bozyil, Orhan Sayın, Ayşe Akmeşe Atlı, Emine Kacar
PC045	Comparison of Acidosis Defense Mechanism in In Vivo and In Vitro Preimplantational Embryonic Development <u>Özlem Işığbol Gezgin</u> , Şeref Erdoğan
PC046	Effects of Melatonin on Energy Balance in Liver Tissue in Sepsis <u>Gülten Ateş</u> , Elif Özkök, Şule Tamer, Hatice Yorulmaz, Abdullah Aksu, Nuray Çağlar
PC047	Investigation of The Effects of Allicin and Erdosteine on Nonalcoholic Fatty Liver Disease In Vitro Nourah R.A. Amheemeed, Cihan S. Erdoğan, <u>Meltem Yalçın Oğuz</u> , B. Tuvana Us, Mehtap Kaçar
PC048	The effect of capsaicin on Oxidative Stress Parameters in Kidney in Sepsis Model Induced by Cecal Ligation and Puncture <u>Semanur Fırat</u> , Burak Bircan, Murat Çakır, Güldeniz Şekerci, Samet Öz
PC049	The Effects of <i>Ficus carica</i> Seed Oil Administration on Renal TAS, TOS, OSI, PON and Total Thiol Values in Renal Ischemia Reperfusion Damage <u>Ferhat Şirinyıldız</u> , Serdal Ögüt
PC050	The Effect of Methylprednisolone on Nephrotoxicity Caused by Gentamicin in Rats Esin İleri Gürel, Kemal Kösemehmetoğlu, Kamran Naghizade, Ahmet Onur Daştan, <u>Okan Arıhan</u>
PC051	The Effect of Naringin on Aquaporin-1 and Aquaporin-2 Levels in Experimental Renal Ischemia-Reperfusion in Rats Zübeyde Demir, Dervis Dasdelen, <u>Gözde Acar</u> , Rasim Mogulkoc, Abdulkерim Kasim Baltacı
PC052	The Effect of Naringin on Caspase-3 and Hif-1 α Levels in Experimental Renal Ischemia-Reperfusion in Rats Esra Gülsüm Danış, Gözde Acar, <u>Tuğçe Aladağ</u> , Dervis Dasdelen, Rasim Mogulkoc, Abdulkерim Kasim Baltacı
PC053	Antioxidant and Anti-Inflammatory Effects of Bee Bread (Perga) on Gastric Ulcer Model in Rats <u>Hatice Çolak</u> , Esra Tansu Sarıyer, Meral Yuksel, Neslihan Öner, Berna Karakoyun
PC054	Does Thymoquinone Affect Cadmium-Induced Damage in Gastrointestinal Contractility in Rats Emine Koç, Ülfet Farisoğlu, <u>Gözde Ögütçü</u> , Selin Işık, Aysel Kükner
PC055	Beneficial Effects of Phoenixin-14 on Experimental Colitis Model in Rats <u>Hülya Buzcu</u> , Meral Yuksel, Seda Kırmızıkan, Esra Çikler, Berna Karakoyun
PC056	Effects of Carvacrol on the DLD-1 Human Colorectal Cancer Cell Line and Role of Transient Receptor Potential (TRP) Cation Channels

	Ezgi Babaeren, <u>Yasemin Aydın</u>
PC057	Intermittent Fasting Facilitates Cholinergic Contractility and Upregulates Ghrelin Expression in Rat Small Intestine <u>Tanaz Onsinjad</u> , İrem Akçalı, Betül Uslu, Simla Su Akkan, Mehmet Bülbül
PC058	Phoenixin-14 Alleviates Acute Stress-Induced Gastric and Cardiac Oxidative Injury in Rats Leyla Semiha Sen, Elif Tiftikçi, Metin Harlak, Muhammed Selim Recai, Zehra Nur Akkurt, <u>Leman Arslan Arıtürk</u> , Can Erzik, İrem Peker Eyuboğlu, Damla Kayalı, Dilek Akakın, Meral Yüksel, Berrak Yeğen
PC059	The Effect of Dopamine on Gadd45b Protein in Acute Stress-Induced Cognitive Disorders <u>Burçin Mikyas</u> , Hale Sayan Özçmak
PC060	High-Intensity Exercise Effect on Self Care-Related Behaviors in Rodent Splash Test <u>Hasan Çalışkan</u> , Dilara Karakaya, Seda Koçak, Göktuğ Ömercioğlu, Metin Baştuğ
PC061	The Effect of Probiotic Supplementation on Circadian Rhythm Gene Expressions in Disrupted Circadian Rhythm Model <u>Büşra Tepebaşlı</u> , Mehtap Ünlü Söğüt
PC062	The Relationship of Transcutaneous Auricular Vagus Nerve Stimulation (TAVNS) with Physiological Parameters in Right-Handed and Left-Handed Rats Brahim Ouyaba, <u>Beste Mentеше</u> , Necip Kutlu
PC063	Effect of Chronic Immobility Stress and High Salt Diet on Brain Tissue Memory Markers in Rats <u>Yaren Türkgüven</u> , Hasan Şimşek
PC064	Antinociceptive and Antiinflammatory Effects of Zonisamide in Acetic Acid-Induced Visceral Pain <u>İsa Yeşilyurt</u> , Soner Bitiktaş, Serdar Yiğit, Başak Gülakar, Serpil Can
PC065	Trimebutine Mediates Cell Death by Inducing Spoptosis in p53 Mutant Human Colon Cancer Cell Sevilay Günay, <u>Yavuz Erden</u> , Yonca Surgun Acar
PC066	Evaluation of the Cytotoxic Activity of Taurine on Hepatoma and Neuroblastoma Cell Lines <u>Hande Yüce</u> , Yasemin Şahin
PC067	Evaluation of 8-br-cADPR as an Anticancer Agent in the A549 Cell Line <u>Murat Çakır</u> , Mustafa Küpeli, Ali Aydın
PC068	Investigation of Cytotoxic and Genotoxic Properties of Hybrid Compounds Containing New Generation Amino Acid Structures Güldeniz Şekerci, Furkan Yüksel, Suat Tekin, Eray Çalışkan, Fatih Biryant, Kenan Koran, <u>Süleyman Sandal</u>
PC069	The Effect of TRPA1 Channel Agonist ASP7663 and Antagonist HC-030031 on Oxidative Stress Parameters in Renal Ischemia Reperfusion in Rats <u>Semanur Fırat</u> , Güldeniz Şekerci, Murat Çakır, Burak Bircan, Samet Öz
PC070	Effects of Tranexamic Acid on Acute Lung Injury in Rats Exposed to Aortic Ischemia-Reperfusion Betül Özcan, <u>Ecem Büşra Değer</u> , Murat Mengi, Meltem Öznur, Aliye Çelikkol, Birol Topçu, İbrahim Güner
PC071	The Effects of Apomorphine on Cardiac eNOS and Oxidative Stress Parameters in Acute Stressed Rats <u>Sefa Özduvan</u> , Burçin Mikyas, Hale Sayan Özçmak
PC072	The Role of Hsp90-eNOS Activation and the Antioxidant Mechanism in the Effect of Agomelatine on Arterial Blood Pressure in an Experimental Hypertension Model <u>Muhammed Ali Aydın</u> , Nihayet Fırat, Ozan Öner, Nurettin Aydoğdu, Selma Arzu Vardar
PC073	Melatonin Relieves Kidney Damage Caused by Polymicrobial Sepsis with Its Antioxidant and Anti-Inflammatory Effect <u>Arzu Şahin Berberoğlu</u> , Songül Doğanay, Özcan Budak, Nurten Bahtiyar
PC074	The Effect of Metformin on Female Rats' Bronchial Smooth Muscle in Isolated Organ Bath <u>Orhan Sayın</u> , Ahmed Sait Bozyil, Ayşe Akmeşe Atlı, Mehtap Pervin, Zeynep Dila Öz, Münevver Gizem Hekim, İhsan Serhatlıoğlu, Emine Kaçar
PC075	Role of Reelin and Zinc in the Pathogenesis of D-glutamic Acid-Induced PAH <u>Kadriye Yağmur Oruç</u> , Aykut Oruç, Mehmet Altan, Osman Fuat Sönmez, Karolin Yanar, Nuray Kepil, Murat Mengi, Ufuk Çakatay, Hafize Uzun, Gönül Şimşek
PC076	Investigation of In Vitro Effects of Paracetamol on Bronchial Smooth Muscle Contraction in Female Rats <u>Mehtap Pervin</u> , Orhan Sayın, Ahmed Sait Bozyil, Zeynep Dila Öz, Münevver Gizem Hekim, İhsan Serhatlıoğlu,

	Emine Kaçar
PC077	Investigation of the Effects of Clopidogrel on Bronchial Smooth Muscle in Female Rats <u>Hüsna Batmaz</u> , Orhan Sayın, Mehtap Pervin, Ahmed Sait Bozyil, Zeynep Dila Öz, Münevver Gizem Hekim, İhsan Serhatlıoğlu, Emine Kaçar
PC078	Investigation Effects of Artificial Sweeteners on Oxytocin Induced Sprague Dawley Myometrium Muna Barakat Abdullateef, <u>M. Sinem Ethemoglu Sarı</u> , Yunus Kosif, Binnur Okan Bakır and Bayram Yılmaz
PC079	The Relationship between SIRT2 and Apoptosis on Thymus Tissue During Aging <u>Ayça Coşkun</u> , Hatice Kavak, Esra Toker, Arzu Keskin-Aktan, Kazime Gonca Akbulut
PC080	Separation of Mononuclear Cells using an Original-Designed Inertial Microfluidic System <u>Nilgün Okşak</u> , Sultan Şahin Keskin, Esin Aktaş, Zeynep Dogusan Yamalıoğlu, Levent Trabzon, Serap Erdem Kuruca
PC081	The Effect of E-Learning in the Health Sciences Basic Area after the Earthquakes in Türkiye: An Evaluation and Important Findings Soner Bitiktaş, İsa Yeşilyurt, Umut Arda Bayraktar, Burcu Azrak, <u>Serpil Can</u>
PC082	Comparison of Conventional Tympanometric Measurement Values at 226 Hz Frequency with Wideband Tympanometric Measurement Values in Adults with Normal Hearing <u>Füsun Sunar</u> , Muhammed Pınar, Büşranur Şahin, Seda Nur Toksöz, İrem Nur Torun, Rabia Karabakan
PC083	Comparison of 5 dB and 2 dB Step Size Hearing Threshold Search Method and Bekesy Audiometry at Speech Frequencies of Individuals with Normal Pure Tone Average <u>Füsun Sunar</u> , Muhammed Pınar, Kadriye Sude Koçer, Merve Şen, İrem Kara, Mubah Muhammet Uğurlu, Ramazan Alper Barutçu, İlaydanur Kordoğan
PC084	Virtual Reality: A Review on its Widespread Use and Contributions in Education <u>Aslı Şan Dağlı Gül</u>
PC085	TRIZ Problem-Solving Theory-Based Approach to the Filtration Algorithm in Nephrons <u>Aslı Şan Dağlı Gül</u>
PC086	Evaluation of Haliç University Medical Faculty Students' Knowledge and Thoughts on Traditional and Complementary Medicine Methods (TCM) <u>Gökhan Ağtürk</u> , Mehmet Aydın, Hakkı Oktay Seymen, Baki Ekçi
PC087	The Effects of 5 Minutes Slow Deep Breathing Exercise on Heart Rate Variability and Affect in Healthy Young Volunteers <u>Eren Ayan</u> , İdil Sarıçam, Farouk Abdul Rahim, Uzay Altay Önem, Ümit Dilber Mutlu, Ezgi Tuna Erdoğan
PC088	Evaluating the Effects of Different Cognitive Tasks on Sympathetic Responses: Implementation of a High-Precision, Low-Cost Complementary Method <u>Nazlı Karimi</u> , Sezgi Fırat Özgür, Erhan Kızıltan
PC089	Changes in Physiological Parameters during Everest Base Camp Trek <u>Hasan Kazdağlı</u> , Şermin Tükel, Gözde Yazgı Tüttüncü
PC090	The Relationship between Injury Risk and Cognitive Function in Adolescent Football Players <u>Öyküm Özlem Karagülle</u> , Evrim Gökçe, Neslişah Gün
PC091	Assessing the Index of Cardiac Electrophysiological Balance (ICEB) in Bodybuilders: A Comparative Study with Obese, Sedentary, and Moderately Active Groups <u>Hakim Çelik</u> , Mustafa Beğenç Taşcanov, Mehmet Ali Eren, Yakup Aktaş
PC092	Assessment of Pain, Joint Range of Motion, and Balance in Patients with Knee Osteoarthritis <u>Muhlis Yiğitcan Dağ</u> , Ahmet Ergun, Caner İncekaş, Sevgi İkbali Afsar
PC093	Investigation of the Effect of Radiotherapy on Muscle Strength in Patients with Bone Metastasis Using IsoMed-2000 Dynamometer <u>Deniz Öztürk</u> , Yılmaz Şahin, Abdülsamet Zortul
PC094	The Effect of Daily Activities on the Activity of Stress Axes in Preschool Children Hediye Cevizci, Özlem Barutçu, Nuri Cevizci, Tuba Özgöçer, Cihat Uçar, Sedat Yıldız, <u>Mustafa Gül</u>
PC095	The Relationship between Albumin Levels and Discharge in Patients Admitted to the Emergency Department Kazım Ersin Altınsoy, <u>Mehmet Göl</u> , İbrahim Halil Turkbeyler

PC096	Investigation of Antioxidant Effect of Electro-Acupuncture Applied to ST36 Electro Acupuncture Point in Rats Model with Type 2 Diabetes <u>Nawar Imad Ahmed</u> , Cahit Bağcı, Songül Doğanay, Hakim Çelik, Ibrahim Tekeoğlu
PC097	Does Pregabalin Affect Renal Functions and Plasma Electrolytes? <u>Ahmet Can Günay</u> , Z. Işık Solak Görmüş, Merve Akgül Günay, Raviye Özen Koca, Faik Özdengül
PC098	A Comparison of Balance and Motor Skills, Quality of Life, Functional Independence, Anxiety and Depression in Female and Male Right and Left Hemiplegic Patients with the Prediction of Cerebral Lateralization Başak Ezgi Ün, <u>Beste Mentese</u> , Necip Kutlu
PC099	Effect of Internet Gaming Disorder Over Reaction Time Based with Audio-Visual Stimulus <u>Elif Uğurgöl</u> , Demet Yeşilbaş, Miray Altınkaynak, Turgay Batbat, Ayşegül Güven, Nazan Dolu, Esra Demirci, Meltem İzzetoğlu
PC100	A Test Developed to Evaluate Movement-Position Modality of Proprioception: Kinesthetic Target Position Estimation Test <u>Osman Barış Ünver</u> , Erhan Nalçacı, Fikret Arı, İrem Kar
PC101	Evaluation of NMR Results of Newly Synthesized Platinum-Based N- Heterocyclic Carbene Complexes Sümeyye Aslan, Hande Yüce, Sedat Yaşar, Nesrin Buğday, Neşe Başak Türkmen, Benay Can Eke, <u>Songül Ünüvar</u>
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