



4th International Congress of Turkish Neuroendocrinology Society | ISTANBUL

26 | 28
November
2020



4th Turkish Neuroendocrinology Congress (Online)

26 – 28th November 2020

www.tnedcongress.org

Oral Communications (OC01-OC44)

OC01	Catecholamine and Serotonin Signalling in <i>Kiss1</i> Neurons is Not Required for Reproduction in Mice <u>Stephen M Manchishi</u> , William H Colledge
OC02	<i>DLG2</i> Mutations in Hypogonadotropic Hypogonadism Leman Damla Kotan, Korcan Demir, Ihsan Turan, <u>Ali Kemal Topaloglu</u>
OC03	Stress and Altered Pubertal Timing: Is the Limbic Brain the Key? <u>Deyana Ivanova</u> , Xiao Feng Li, Caitlin Mcintyre, Kevin O'Byrne
OC04	Effects of Circadian Rhythm Disruption due to Chronic Constant Light on Ovarian Aging by mTOR Signaling Pathway <u>Gizem Bora</u> , Aylin Yaba Uçar
OC05	Effect of Apelin Receptor Signaling on Development of GnRH Producing Hypothalamic Neurons from pluripotent stem cells <u>Taha Bartu Haya</u> l, Hatice Burcu Şişli, Selinay Şenkal, Binnur Kıratlı, Derya Sağraç, Fikrettin Şahin, Bayram Yılmaz, Ayşegül Doğan
OC06	Effects of Methylphenidate on GnRH Expression and Release in GT1-7 Cell Line <u>Berna Özelgün</u> , Cihan Süleyman Erdoğan, Bayram Yılmaz
OC07	Effects of Modulation of Certain TRP Channels and Voltage-Gated Potassium Channel Activities on Calcitonin Gene-Related Peptide Release in Isolated Rat Hemiskull Preparations Arzu Citak, <u>Erkan Kilinc</u> , Seyit Ankarali, Yasar Dagistan, Hamit Yoldas
OC08	Neuropeptide-W Protects Against Stress-Induced Gastric Ulcer in Rats via the Involvement of Capsaicin-Sensitive Vagal Afferent Fibers <u>Sevil Arabacı Tamer</u> , Selin Akbulut, Dilek Akakın, Irem Peker Eyüpoğlu, Mustafa Akkiprik, Berrak Ç. Yeğen
OC09	Mast Cell Activation Alleviates Pentylene-tetrazole-Induced Epileptic Seizures via Serotonin in Rats Erkan Kilinc, <u>İbrahim Ethem Torun</u> , Ayhan Cetinkaya, Fatma Tore
OC10	Effects of Chronic Ghrelin Administration On IL-1, IL-6 and TNF- Levels in PTZ Kindling Epilepsy Model in Rats <u>Ozlem Ergul Erkek</u> , Zubeyir Huyut, Oruc Yunusoglu, Busra Kara
OC11	Epileptic Seizures are Associated with Serum Apelin Levels and Oxidation Stress in Children With Epilepsy Vedat Aksu, <u>Tuba Özgöçer</u> , Hakim Çelik, Mustafa Çalık
OC12	The Role of ERK Pathway in the Neuroprotective Effect of Memantine <u>Muhammed Talha Gündüz</u> , Akif Tahiroğlu, Mustafa Çağlar Beker, Serdar Altunay, Mehmet Özgen Altıntaş, Ertuğrul Kılıç

OC13	
OC14	Misdiagnosed Atypical Invasive Prolactinoma Presenting with Anosmia, Sphenoid Mass and Empty Sella: A Case Report <u>Songül Akcan, Elif Kılıç Kan, Ayşegül Atmaca, Ramis Çolak</u>
OC15	Clinicopathological Features of Gastroenteropancreatic Neuroendocrine Neoplasms: A Retrospective Single-Center Experience <u>Abdüsselam Şekerci, Hacı Mehmet Türk, Tarık Demir, Mesut Şeker, Adem Akçakaya, Dilek Sema Arıcı</u>
OC16	Pheochromocytoma/Paraganglioma –Demographic, Clinical, Laboratory, and Treatment Outcomes in a Series of 37 Patients from a Single Center <u>Narimana Imanova Yaghji, Elif Kılıç Kan, Ayşegül Atmaca, Ramis Çolak</u>
OC17	Diosgenin Exhibits Antitumor Effect in SH-SY5Y Neuroblastoma Cell Line by Inducing Apoptotic Gene Expressions and Reducing Cell Cycle Related Gene Expressions <u>Burak Oymak, Levent Elmas, Gulsah Gundogdu, Vural Kucukatay</u>
OC18	Environmental Stress Promotes Lipid Droplet Accumulation in Rat Brain Astrocytes <u>Tina Smolič, Petra Tavčar, Anemari Horvat, Robert Zorec, Nina Vardjan</u>
OC19	Paraventricular Hypothalamic Nucleus (PVN) Glucosensitive Neurons Stimulate Food Intake in 18 Hours Food Deprived Male Rats <u>Masoud Shareghi Brojeni, Fatemeh Nasser, Abbas Haghparast, Afsaneh Eliassi</u>
OC20	The Alterations in Central and Peripheral Apelin in Maternal Diet-Induced Obesity <u>Aysegul Gemic, Mehmet Bülbül</u>
OC21	Neurokinin 3 Receptor Effects on Cognitive Behaviours in a Rat Model of Alzheimer's Disease <u>Raviye Ozen Koca, Z. Isik Solak Gormus, Hatice Solak, Selim Kutlu</u>
OC22	Selection of Housekeeping Genes for Rat Hippocampus Expression Studies: Alzheimer's Disease Model <u>Fatma Secer Celik, Raviye Ozen Koca, Hatice Solak, Z Isik Solak Gormus, Selim Kutlu, Ercan Kurar</u>
OC23	Systemic Sodium Hydrosulfide Causes Neuronal Degeneration in a Dose-Dependent Manner in Cerebrum but not through the Oxidative Stress Pathway: An Experimental Study <u>Lokman Hekim Tanriverdi, Onural Ozhan, Hakan Parlakpınar, Mehmet Akif Durak, Azibe Yildiz, Nigar Vardi, Yusuf Turkoz, Muhammed Mehdi Uremis</u>
OC24	Effects of Transcranial Direct Current Stimulation on Learning and Memory Changes after Experimental Cerebral Ischemia <u>Güven Akcay, Narin Derin</u>
OC25	Hippocampal and Hypothalamic FBN1 Expression in an Experimental Opioid Addiction Rat Model <u>Canan Eroğlu Güneş, Yasin Ali Cimen, İbrahim Yildiz, Ercan Kurar, Selim Kutlu</u>
OC26	Effects of Melatonin on Brain Damage and Synaptic Transmission in Septic Rats <u>Gulten Ates Ulucay, Gul Ipek Gundogan, Elif Ozkok, Hatice Yorulmaz, Sule Tamer</u>
OC27	Investigation of the Effects of Pregnenolone Against Oxidative Stress Induced by Anticancer Drug Paclitaxel in Rats <u>Irmak Ferah Okay, Betül Cicek</u>
OC28	Investigation of the Effects of Pregnenolone on Behavioral Tests Against Cisplatin-Induced Toxicity in Rats <u>Ufuk Okay, Cemil Bayram, Ahmet Hacimüftüoğlu</u>
OC29	Pituitary Adenylate-Cyclase-Activating Polypeptide Mediates Fear Responses in Ventrolateral Periaqueductal Gray

	<u>Ersin Yavas</u> , Irina Zhuravka, Daniel Weatherill, Tasmia Amjad, Michael S Fanselow, Michael S Fanselow
OC30	Non-Invasive Vagal Nerve Stimulation Shifts Liking to Lower Fat Stimuli and Increases Striatal Brain Response in Humans <u>Maria Geraldine Veldhuizen</u> , Pia Beuning, Guillaume De Lartigue
OC31	Injection of Ghrelin into Hippocampal Area CA1 and Aerobic Exercise Act to Enhance Learning and Passive Avoidance Memory in Adult Male Rats <u>Mohaya Farzin</u> , Parvin Babaei, Mohammad Rostampour
OC32	Infusion of Intracerebroventricular Irisin to Obese Male Rats Increases Secretion of Reproductive Hormones Suat Tekin, <u>Süleyman Sandal</u>
OC33	Effect of Bee Venom on Behavior and its Relationship with Leptin Levels <u>Bahar Demirbaş</u> , Burcu Açıkgöz, İlkay Aksu, Amaç Kiray, Müge Kiray
OC34	The Effects of Different Types of Calorie Restriction on miRNA Profiles in Brain <u>Bilge Guvenc Tuna</u> , Umit Ozorhan, Munevver Burcu Cicekdal, Aysegul Kuskucu, Omer Faruk Bayrak, Bayram Yılmaz, Pinar Buket Demirel, Soner Doğan
OC35	Effects of Spirulina Platensis on Behavioral Parameters and Sirtuin-1 in High Fat Diet-Induced Obesity in Rats <u>Gizem Usluel</u> , Bahar Demirbaş, Burcu Açıkgöz, İlkay Aksu, Amaç Kiray, Müge Kiray
OC36	Is Quail Egg a Potential Endocrine Disrupter? <u>Özlem Sürekli Karakuş</u> , Sevil Arabacı Tamer, Hilal Nişva Levent, Sare Betül Kaygusuz, Serap Demircioğlu, Dilek Akakin, Tülay Güran, Berrak Ç. Yeğen, Abdullah Bereket
OC37	The Effect of Melatonin on Trace Element Distribution in Muscle Tissue at Experimental Type 1 Diabetes <u>Songul Doğanay</u> , Şeyma Trabzon, Ayla Eren Ozdemir, Nurten Bahtiyar, Derya Güzel Erdoğan
OC38	Effect of Intracerebroventricular MOTS-c Infusion on Peripheral Uncoupling Proteins in Rats <u>Mehmet Refik Bahar</u> , Suat Tekin, Asiye Beytur, Ebru Etem Onalan, Cemil Colak, Süleyman Sandal
OC39	The Effect of Experimental Hyperthyroidism Treatment on Adropin, Asprosin and Preptin Levels in Rats Derviş Daşdelen, Saltuk Buğra Baltacı, <u>Rasim Moğulkoç</u> , Abdülkerim Kasım Baltacı, Abdullah Sivrikaya
OC40	Preliminary Study: Investigation of the Effect of Swimming Exercise on Browning of Perirenal Fat Tissue in Rats with Metabolic Syndrome <u>Emine Kilic Toprak</u> , Fatih Altıntaş, Onur Tokgün, Semih Tan, Neslihan Esra Avcı, Büşra Çelikkaya, Hülya Çetin, Sadettin Çalışkan
OC41	Does Adipose Tissue as an Endocrine Organ Play a Role in Pathologies of the Spinal Dura Mater? Bilgehan Solmaz
OC42	Is Duration of Menstruation Correlated with the Activity of Stress Axes? <u>Tuğçe Atçalı</u> , Cihat Uçar, Sedat Yıldız
OC43	Effects of Irisin on Ghrelin Levels in High-Fat Diet-Induced Obese Female Rats <u>Batuhan Bilgin</u> , Münevver Gizem Hekim, Ferah Bulut, Mirac Keleştemur, Nazife Ülker
OC44	Effect of Apelin on Anxiety Like Behaviour in Male Rats <u>Zeynep Çalışkan Sak</u> , Selim Kutlu, Alpaslan Özkürkçüler, Raviye Özen Koca, Hatice Solak, Z. Işık Solak Gormüş