



# 4<sup>th</sup> International Congress of Turkish Neuroendocrinology Society | ISTANBUL

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## 4th Turkish Neuroendocrinology Congress (Online)

26 – 28th November 2020

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### Poster Communications (PC01-PC45)

PC01	L- lactate in Rat Astrocytes Originates From Glycogen Stores <u>Katja Fink</u> , Nina Vardjan, Robert Zorec, Marko Kreft
PC02	Angiotensin II Type 1 Receptor Blockade Suppresses NLRP3 Inflammasome and IL-1 $\beta$ , While Increasing BDNF Level in Ovariectomized Female Rats. Salih Erdem, Inci Turan, Meryem Ergenç, <u>Hale Sayan Özaçmak</u>
PC03	The Effects of Melatonin Treatment on Postoperative Induced Cognitive Dysfunction in Aged Rats: Involvement of Oxidative Stress, PSD95 and CaMKII Inci Turan, Veysel Haktan Özaçmak, <u>Hale Sayan Özaçmak</u>
PC04	Effects of Estrogen and Progesterone on Biomarkers of Neurogenic Inflammation Underlying Migraine in Rats Ayhan Cetinkaya, <u>Erkan Kilinc</u> , Cagri Camsari, Muhammed Nur Ogun
PC05	Unraveling the Role of Astroglia in the Mechanism of Antidepressant Action of Ketamine Matjaž Stenovec, Mičo Božič, <u>Samo Pirnat</u> , Eva Lasič, Robert Zorec
PC06	Reversible Exocytosis of Larger Vesicles and Inhibition of Endocytosis Underlie Interferon $\gamma$ Induced Translocation of MHC Class II Molecules to Astrocyte Surface <u>Mičo Božič</u> , Alexei Verkhatsky, Robert Zorec, Matjaž Stenovec
PC07	Mast Cell Activation and Proinflammatory Cytokines Contribute to Persisting Inflammation in Children with Cerebral Palsy Cemalettin Demir, <u>Yasemin Baranoğlu Kılınç</u> , Erkan Kılınç
PC08	The Influence of Maternal Separation on Depressive Symptoms and Energy Homeostasis in Young Adult Male Rat Offspring Subjected to Chronic Social Defeat Stress <u>Farzaneh Eskandari</u> , Homeira Zardooz, Mehdi Hedayati
PC09	Manipulation of Kiss1 Neurons by Optogenetic Method in Experimental Alzheimer's Disease Model <u>Sami Ağuş</u> , Yavuz Yavuz, Siğnem Eyüboğlu, Özge Başer, Cihan Civan Civaş, Volkan Adem Bilgin, Canan Aykut Bingöl, Deniz Atasoy, Bayram Yılmaz
PC10	Effect of the Inhibition of Rock Signaling on the Hippocampal Metaplasticity <u>Hatice Saray</u> , Nurcan Dursun, Cem Süer, Burak Tan
PC11	Regulation of mTOR Pathway, Akt and Erk1/2 Activity by Melatonin and Rapamycin in Glioblastoma <i>in Vitro</i> <u>Cihan Süleyman Erdoğan</u> , Volkan Adem Bilgin, Burcu Gemici Başol, Bayram Yılmaz
PC12	"Targeting the Risk of Depression Through Unhealthy Lifestyle: The Relationship Between Insulin Resistance, Physical and Social Activities, Sleep Quality, and Depressive Symptoms in the Prediabetic Period" <u>Faize Elif Bahadır</u> , Melike Yavuz, Özlem Unay Demirel, Yavuz Gövdeli, Irem Yoğurtcu, Özüm Fırat, Yavuz Furuncuoğlu
PC13	Reversible Brain Atrophy After ACTH Treatment in Children with Continuous Spike and Wave During Slow Sleep (CSWS): Case Presentation <u>Fusun Ferda Erdoğan</u>
PC14	In Silico Analysis on Possible Involvement of Neuropeptides in Peripheral Sensory Neuropathy <u>Arif Kamil Salihoğlu</u> , Ahmet Ayar
PC15	Effects of Half- or Whole-Night Shifts on Hypothalamo-Pituitary-Adrenal Axis and Autonomic Nervous Systems in Women <u>Pınar Çakan</u> , Sedat Yıldız, Özlem Barutçu, Cihat Uçar
PC16	Experimental Hypothyroidism Decreases Adropin, Asprosin and Preptin Levels in Male Rats Dervis Dasdelen, Saltuk Bugra Baltacı, <u>Rasim Mogulkoç</u> , Abdulkirim Kasim Baltacı, Abdullah Sivrikaya

PC17	<b>The Role of Adropine and Irisin in an Experimental Hypertension Model</b> <u>Nihayet Firat</u> , Muhammed Ali Aydin, Nilay Tot, Sevval Simsek, Seyma Tastekin, Nurettin Aydogdu
PC18	<b>The Effect of Ebselen on Motor Performance, Balance Skills and Analgesia in A Rat Model of Parkinson's Disease</b> <u>Hakan Parlakpınar</u> , Fatma Dilan Arslan, Onural Ozhan, Nigar Vardi
PC19	<b>The Effect of Direct Electric Current on Motion Behaviour in a Transgenic <math>\beta</math>-Amyloid Model of Caneorhabditis elegans: An In-vivo Study</b> Leyla Destanoglu, Berre Oter, Emircan Tengirsek, Tuncer Yalcin, Sevim Bilgin, Sara Nafisi, <u>Denizhan Karis</u> , Abdullah Olgun
PC20	<b>Effect of Naloxone Precipitated Morphine Withdrawal on Melatonin Receptor Expressions in Hippocampus and Hypothalamus Tissues in Morphine Dependent Rat</b> <u>Yasin Ali Çimen</u> , Canan Eroğlu Güneş, Ibrahim Yıldız, Ercan Kurar, Ismail Meral, Selim Kutlu
PC21	<b>The Effect of Exposure to Music on Spatial Learning and Memory in Rats</b> <u>Hilal Adil</u> , Burcu Çevreli, Güler Öztürk
PC22	<b>Investigation of Age-Dependent Changes in Hippocampal Long-Term Potentiation Related Tau Phosphorylation</b> <u>Özlem Barutçu</u> , Burak Tan, Nurcan Dursun, Cem Süer
PC23	<b>Investigation of Age-Dependent Changes in Hippocampal Long-Term Depression Related Tau Phosphorylation</b> Burak Tan, <u>Özlem Barutçu</u> , Ercan Babur, Cem Süer, Nurcan Dursun
PC24	<b>Effects of Chronic High Fat Diet on Electrophysiological and Morphological Properties of POMC Neurons in the Hypothalamic Arcuate Nucleus</b> <u>Özge Başer</u> , Yavuz Yavuz, Sami Ağuş, Hüseyin Buğra Özgün, Deniz Öykü Özen, İrem Yapar, Deniz Atasoy, Bayram Yılmaz
PC25	<b>Chronic High-Fat Diet Impairs Gastric Motor Functions through Reduced Nitrergic Transmission in Rats</b> <u>Sabriye Kaya</u> , Mehmet Bülbül
PC26	<b>Chronic High-Fat Diet Affected Plasma and Hippocampal Corticosterone and Insulin Levels as well as Spatial Memory in Adult Male Rats: Endoplasmic Reticulum Stress Involvement</b> <u>Fatemeh Binayi</u> , Homeira Zardooz, Rasoul Ghasemi, Mehdi Hedayati, Sahar Askari, Ramin Pouriran
PC27	<b>Effects of Short Term High-Fat Diet on Anxiety Behaviour in Male and Female Mice</b> <u>Cihan Civan Cıvaş</u> , Sevgi Suna Karatay, Cihan Süleyman Erdoğan, Alexei Verkhratsky, Bayram Yılmaz
PC28	<b>Hypothalamic Expressions of Apelin, Apelin Receptor and Neuritine in the First Generation Rat Pups: A Maternal Depression Model</b> <u>Ercan Kurar</u> , Canan Eroğlu Gunes, Raviye Ozen Koca, Hatice Solak, Aynur Koc, Zafer Sahin, Gokhan Cuce, Faruk Uguz, Mehmet Ak, Selim Kutlu
PC29	<b>Effects of Ileal Interposition on Plasma Glucagon Like Peptide (GLP-1) and Pancreas GLP-1 Receptor Expression in Rats with Metabolic Syndrome</b> Melek Tunc Ata, Fatih Altintas, Hande Senol, <u>Vural Küçükataş</u>
PC30	<b>A Comparison of Blood Factors, Cognitive Status, Moods and Mental Health Status, in Diabetic Patients Type 2 with Control Group</b> <u>Ali Akbar Malekirad</u> , Akram Irannejad Najafabadi, Kobra Rahzani, Mohammad Abdollahi
PC31	<b>The Effect of High Fat or High Carbohydrate Diets Exposure During Gestation and Lactation Periods on Hypothalamic and Cerebellar Oxidative Stress Markers in Offspring Sprague Dawley Rats</b> <u>Meyli Ezgi Karagöz</u> , Elif Günalan, Bayram Yılmaz, Burcu Gemicci
PC32	<b>Effects of Irisin on Reproductive Parameters in High Fat Diet Induced Obese Male Rats</b> <u>Ahmet Yardımcı</u> , Nazife Ulker, Ibrahim Halil Gungor, Ozgur Bulmus, Sinan Canpolat
PC33	<b>Effects of Different Types of Calorie Restriction on SIRT1 Levels in Mouse Brain</b> <u>Elif Yılmaz</u> , Ümit Özorhan, Soner Doğan, Münevver Burcu Cicekdal, Başar Atalay, Burhan Oral Gudu, Bilge Güvenç Tuna
PC34	<b>Central Autonomic Pathways Contribute to Delayed Colonic Transit Induced by Peripheral Apelin-13</b> <u>Osman Sinen</u> , Mehmet Bülbül
PC35	<b>Expression of Melatonin 1 Receptor in Patients with Gastric Adenocarcinoma and its Relationship with Clinicopathological Features</b> <u>Ramin Ataee</u> , Farshid Sargazi, Seyed Habibeh Mirmajidi
PC36	<b>Melatonin May Regulate Apoptotic Pathway via Affecting Bax, Bcl211 and XIAP Levels in Myocardial Ischemia-Reperfusion Injury.</b> <u>Gülnur Aslan</u> , Engin Şahna
PC37	<b>Effects of Melatonin and Postconditioning on Reperfusion Arrhythmias and Nesfatin-1 Levels</b> <u>Gülnur Aslan</u> , Engin Şahna

PC38	<b>Estimation of the Factors Associated with Diabetes Mellitus by Multilayer Perceptron Artificial Neural Network Model</b> <u>Seyhan Polat</u> , Hakan Parlakpınar, Cemil Çolak
PC39	<b>Effects of Systemic Administration of Cisplatin and Hydrogen Sulfide on Cerebrum and Cerebellum Tissue in Rats</b> <u>Seyhan Polat</u> , Onural Ozhan, Hakan Parlakpınar, Mehmet Akif Durak, Nigar Vardı, Azibe Yıldız, Yusuf Türköz, Recep Bentli, Cemil Çolak, Hacı Ahmet Acet
PC40	<b>Effects of Ramelteon on Myometrial Contractions in Rats</b> <u>Eda Çoban</u> , Özgür Bulmuş
PC41	<b>Effects of Levetiresetam on Contraction of Myometrium in Rats</b> <u>Münevver Gizem Hekim</u> , Ihsan Serhatlıoğlu, Emine Kaçar
PC42	<b>Melatonin Administration Increases the Expression of Sirtuin-1 and PGC-1<math>\alpha</math> in Heart Tissue of Rats with Aged-Diabetic</b> <u>Nilüfer Akgün Ünal</u> , Ömer Ünal, Saltuk Buğra Baltacı, Rasim Moğulkoç, Abdülkerim Kasım Baltacı
PC43	<b>Melatonin administration increases on the expression of GLUT 4 in heart tissue of rats with aged-diabetic</b> <u>Nilufer Akgün Ünal</u> , Ömer Ünal, Saltuk Buğra Baltacı, Rasim Moğulkoç, Abdülkerim Kasım Baltacı
PC44	<b>Melatonin Inhibits Oxidative Stress in Heart Tissue in Aged Diabetic Female Rats</b> Nilufer Akgün Ünal, <u>Ömer Ünal</u> , Saltuk Buğra Baltacı, Rasim Moğulkoç, Abdülkerim Kasım Baltacı
PC45	<b>Regulatory Effect of Melatonin Supplement on Cardiac Contraction Parameters in Diabetic Aged Female Rat Model</b> Nilüfer Akgün Ünal, <u>Omer Unal</u> , Saltuk Buğra Baltacı, Rasim Moğulkoç, Abdülkerim Kasım Baltacı