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Education Information

Doctorate, Istanbul University, Istanbul Medical Faculty, Biyokimya, Turkey 1992 - 1997

Postgraduate, Istanbul University, Cerrahpaşa Tıp Fakültesi, Biyokimya, Turkey 1988 - 1990

Undergraduate, Istanbul University, Faculty Of Science, Biyoloji, Turkey 1984 - 1988

Dissertations

Postgraduate, TİP2 DİABETES MELLİTUS'DA MİTOKONDRIYAL GEN POLİMORFİZMLERİNİN SUBKLİNİK POLİNÖROPATİ GELİŞİMİNE ETKİSİ, Istanbul University, Deneysel Tıp Araştırma Enstitüsü, Sinirbilim, 2015

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Titles / Tasks

Professor, Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience, 1993 - Continues

Advising Theses

ÖZKÖK E., TİP2 DİABETES MELLİTUS'DA MİTOKONDRIYAL GEN POLİMORFİZMLERİNİN SUBKLİNİK POLİNÖROPATİ GELİŞİMİNE ETKİSİ, Postgraduate, A.İşıkılı(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. Determination of trace elements and electrolyte levels in kidney tissue of simvastatin-treated septic rats

Ates G., Tamer S., ÖZKÖK E., Yorulmaz H., Yalcin I. E., Demir G.

Naunyn-Schmiedeberg's Archives of Pharmacology, vol.397, no.5, pp.3513-3521, 2024 (SCI-Expanded)

- II. **Investigation of the effects of oxidative stress, inflammation on the pathway of tryptophan/kynurenine in OCD**
Delen E., Kucukali C. İ., Karaaslan Z., Yuceer H., Punar S., Hakan M. T., Yaylim I., Ozkok E.
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- III. **Peroxisome proliferator-activated receptor gamma and osteoprotegerin levels as an indicator and diagnostic predictor of endothelial dysfunction**
Hatiboglu S., YANAR F., Ozturk A., Basar Y., Aydogan M., ÖZKÖK E., Demirel S., SALMAYENLİ N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, 2023 (SCI-Expanded)
- IV. **Effects of Melatonin on Inflammation and Tissue Damage in Acute Kidney Injury**
Ulucay G. A., Ozkok E., Yorulmaz H., Olgac V., Tamer S.
ACTA PHYSIOLOGICA, pp.44, 2023 (SCI-Expanded)
- V. **Melatonin pretreatment modulates anti-inflammatory, antioxidant, YKL-40, and matrix metalloproteinases in endotoxemic rat lung tissue**
Ates G., Tamer S., Yorulmaz H., Mutlu S., OLGAC N. V., AKSU A., Caglar N., ÖZKÖK E.
EXPERIMENTAL BIOLOGY AND MEDICINE, vol.247, no.12, pp.1080-1089, 2022 (SCI-Expanded)
- VI. **Effects of Melatonin on Brain Damage and Synaptic Transmission in Septic Rats**
Ulucay G. A., Gundogan G. I., Ozkok E., Yorulmaz H., Tamer S.
NEUROENDOCRINOLOGY, vol.111, pp.26, 2021 (SCI-Expanded)
- VII. **Pretreatment of simvastatin on liver trace element levels during endotoxemia**
Yorulmaz H., ÖZKÖK E., Demir G., Ertugrul Yalcin I., Ates G., Olgac V., Tamer S.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.126, no.3, pp.196-200, 2020 (SCI-Expanded)
- VIII. **Effects of Ghrelin on Energy Balance on Brain Tissue of Sepsis-Induced Rats**
Yorulmaz H., Ulucay G. A., ÖZKÖK E., AKSU A., Balkis N., Tamer S.
ACTA PHYSIOLOGICA, vol.227, pp.108, 2019 (SCI-Expanded)
- IX. **Anti-oxidant effects of melatonin on energy balance and oxidative stress in sepsis-induced rats**
Ozkok E., Ulucay A. G., Yorulmaz H., Aksu A., Balkis N., Tamer S.
ACTA PHYSIOLOGICA, vol.227, pp.123, 2019 (SCI-Expanded)
- X. **Effects of Melatonin on Matrix Metalloproteinases (MMP), Tissue Inhibitors of Matrix Metalloproteinases and Inflammatory Parameters in Sepsis-Induced Rats**
Ozkok E., Yorulmaz H., Ulucay G. A., Olgac V., Tamer S.
ACTA PHYSIOLOGICA, vol.225, pp.31, 2018 (SCI-Expanded)
- XI. **A SOD2 Polymorphism is Associated with Abnormal Quantitative Sensory Testing in Type 2 Diabetic Patients**
Isikli A., Kubat-Uzum A., Satman I., Matur Z., Oge A. E., Kucukali M. I., Tuzun E., Erden S., Ozkok E.
NOROSIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.55, no.3, pp.276-279, 2018 (SCI-Expanded)
- XII. **Therapeutic effects of simvastatin on Galectin-3 and oxidative stress parameters in endotoxemic lung tissue**
Yorulmaz H., Ozkok E., Kaptan E., Ates G., Tamer S.
BIOSCIENCE REPORTS, vol.38, 2018 (SCI-Expanded)
- XIII. **Ghrelin: Impact on Muscle Energy Metabolism in Sepsis**
Yorulmaz H., Ozkok E., Ates G., Aksu A., Balkis N., Tamer S.
INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS, vol.24, no.2, pp.259-264, 2018 (SCI-Expanded)
- XIV. **Are IVS4 SNPs of OLR1 gene associated with coronary artery disease: Is there a linkage between IVS4 SNPs?**
Kurnaz-Gomleksiz O., Kucukhuseyin O., Ozkok E., Bugra Z., Ozturk O., Yilmaz-Aydogan H.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.27, pp.321-326, 2018 (SCI-Expanded)
- XV. **Ghrelin: An anti-inflammatory therapeutic agent in septic rats**
Ulucay G., ÖZKÖK E., Yorulmaz H., Aydin I., Tamer S.

Critical Care, vol.18, no.2, pp.1-53, 2018 (SCI-Expanded)

- XVI. **Early phases of sepsis: Effects of simvastatin on mitochondrial enzyme activities in kidney tissue in rats**
ÖZKÖK E., Yorulmaz H., Ateş G., Aydın I., Tamer A.
Critical Care, vol.18, no.2, pp.1-53, 2018 (SCI-Expanded)
- XVII. **Beneficial Effects of Melatonin on Energy Metabolism in Septic Lung Tissue**
Ozkok E., Yorulmaz H., Ates G., Aksu A., Balkis N., Tamer S.
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- XVIII. **Ghrelin-Induced Alteration of Fatty Acid Profile in Adipose Tissue of Septic Rats**
Yorulmaz H., Ozkok E., Bulut Y., YILMAZ Ö., Ates G., Tamer S.
ACTA PHYSIOLOGICA, vol.221, pp.115, 2017 (SCI-Expanded)
- XIX. **The effects of Simvastatin on Galectin-3 and TBARS in Lung Tissue during Endotoxemia**
Yorulmaz H., Ulucay G. A., Kaptan E., Ozkok E., Tamer S.
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- XX. **The impact of pretreatment with simvastatin on kidney tissue of rats with acute sepsis**
Ozkok E., Yorulmaz H., Ates G., Aydın I., Erguven M., Tamer S.
PHYSIOLOGY INTERNATIONAL, vol.104, no.2, pp.158-170, 2017 (SCI-Expanded)
- XXI. **Investigation of the effectiveness of ghrelin treatment in lung tissue of rats with sepsis**
Yorulmaz H., Ozkok E., Ates G., Tamer S.
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, vol.118, no.10, pp.585-590, 2017 (SCI-Expanded)
- XXII. **Role of simvastatin in endotoxemia-induced muscle injury**
Yorulmaz H., Ozkok E., Ates G., Aksu A., Balkis N., Tamer S.
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- XXIII. **Effects of Ghrelin on Inflammation and Oxidative Stress Parameters in Sepsis-induced Liver Tissue of Rat**
Ateş Uluçay G., ÖZKÖK E., Yorulmaz H., Aydın İ., TAMER A. Ş.
ASIAN JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.12, no.1, pp.17-23, 2017 (SCI-Expanded)
- XXIV. **Effects of melatonin on neuromuscular degeneration in early-phase sepsis**
Yorulmaz H., Ozkok E., Ulucay G. A., Aksu A., Balkis N., Tamer S.
ACTA PHYSIOLOGICA, vol.217, pp.41, 2016 (SCI-Expanded)
- XXV. **The effects of HMG-COA reductase inhibition on trace elements in early-phase sepsis in rats**
Ulucay G. A., Yorulmaz H., Ozkok E., Demir G., Yalcin I. E., Tamer S.
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- XXVI. **Relation between Endothelial Nitric Oxide Synthase Genotypes and Oxidative Stress Markers in Larynx Cancer**
Yanar K., Cakatay U., Aydn S., Verim A., Atukeren P., Ozkan N. E., Karatoprak K., Cebe T., Turan S., Ozkok E., et al.
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2016, 2016 (SCI-Expanded)
- XXVII. **Investigation of simvastatin on micro and macro element levels in intestinal tissue for during early phase of sepsis**
Yorulmaz H., ÖZKÖK E., Demir G., Yalçın I. E., Ateş G., Tamer Ş.
Asian Journal of Animal and Veterinary Advances, vol.11, no.8, pp.452-460, 2016 (SCI-Expanded)
- XXVIII. **Amelioration of Energy Metabolism by Melatonin in Skeletal Muscle of Rats With LPS Induced Endotoxemia**
Ozkok E., Yorulmaz H., Ates G., Aksu A., Balkis N., Şahin O. A., Tamer S.
PHYSIOLOGICAL RESEARCH, vol.65, no.5, pp.833-842, 2016 (SCI-Expanded)
- XXIX. **TaqI, FokI, and ApaI Polymorphisms in the Vitamin D Receptor in Behcet's Disease in Turkish Population**
ERTEN G., KALKAN M., Bilgiç G., Akdeniz N., OZKOK E., VURAL B.
DISEASE MARKERS, 2016 (SCI-Expanded)

- XXX. **Relation between Endothelial Nitric Oxide Synthase Genotypes and Oxidative Stress Markers in Larynx Cancer.**
YANAR K, ÇAKATAY U, AYDIN S, Verim A., ATUKEREN P., Özkan N. E., Karatoprak K, Cebe T., Turan S., Özkök E., et al.
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2016, pp.49-85, 2015 (SCI-Expanded)
- XXXI. **The effects of ghrelin on oxidative stress parameters in lipopolysaccharide induced sepsis of rats**
Ates G, Ozkok E, Yorulmaz H, Tamer S.
ACTA PHYSIOLOGICA, vol.215, pp.122-123, 2015 (SCI-Expanded)
- XXXII. **Evaluation of the effects of simvastatin on energy metabolism in muscle tissue during early phase of sepsis**
Ozkok E, Yorulmaz H, Ates G, Aksu A, Balkis N, Tamer S.
ACTA PHYSIOLOGICA, vol.215, pp.78, 2015 (SCI-Expanded)
- XXXIII. **Reduced muscle mitochondrial enzyme activity in MuSK-immunized mice.**
Ozkok E, Durmus H, Yetimler B, Tasli H, TRAKAS N, Ulusoy C. A., Lagoumintzis G, TZARTOS S, Tuzun E.
Clinical neuropathology, vol.34, no.6, pp.359-63, 2015 (SCI-Expanded)
- XXXIV. **Effects of Exogenously Ghrelin on Apoptosis and Inflammation in Lung Tissue during Sepsis**
Ozkok E, Ulucay G. A., Yorulmaz H, Tamer S.
ACTA PHYSIOLOGICA, vol.215, pp.87-88, 2015 (SCI-Expanded)
- XXXV. **Protective effect of simvastatin on trace minerals in intestinal tissue during early phase of sepsis**
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- XXXVI. **Effect of simvastatin on mitochondrial enzyme activities, ghrelin, hypoxia-inducible factor 1 α in hepatic tissue during early phase of sepsis**
Yorulmaz H, ÖZKÖK E, Erguven M., Ates G., Aydın I., Tamer S.
International Journal of Clinical and Experimental Medicine, vol.8, no.3, pp.3640-3650, 2015 (SCI-Expanded)
- XXXVII. **Effect of simvastatin on mitochondrial enzyme activities, ghrelin, hypoxia-inducible factor 1 alpha in hepatic tissue during early phase of sepsis**
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INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.8, no.3, pp.3640-3650, 2015 (SCI-Expanded)
- XXXVIII. **DNA Repair Gene Variants in Migraine**
Çetinkaya Y., Dasedemir S., Gencer M., Bireller E. S., Ozkok E., Aydın M., Cakmakoglu B.
GENETIC TESTING AND MOLECULAR BIOMARKERS, no.8, pp.568-573, 2014 (SCI-Expanded)
- XXXIX. **Effects of prior treatment with simvastatin on skeletal muscle structure and mitochondrial enzyme activities during early phases of sepsis**
Ozkok E, Yorulmaz H, Ates G, Serdaroglu-Ofrazier P, Tamer A. Ş.
INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL PATHOLOGY, vol.7, no.12, pp.8356-8365, 2014 (SCI-Expanded)
- XL. **Serum VEGF, CD40L and NO levels in Peripheral Arterial Disease**
Becer E, Ozkok E, Yanar F, Basar Y, Salmayenli N, MEHMETÇİK G.
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- XLI. **Cox-2 gene variants in migraine**
Dasedemir S, Çetinkaya Y, Gencer M, Ozkok E, Aydın M, Cakmakoglu B.
GENE, vol.518, no.2, pp.292-295, 2013 (SCI-Expanded)
- XLII. **Identification of a Novel BRCA2 and CHEK2 A-C-G-C Haplotype in Turkish Patients Affected with Breast Cancer**
Haytural H, Yalcinkaya N, Akan G, ARIKAN S, Ozkok E, Cakmakoglu B, Yaylim I, Aydın M, Atalar F.
ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, vol.14, no.5, pp.3229-3235, 2013 (SCI-Expanded)
- XLIII. **DNA repair genes in Parkinson's disease**
Gencer M, Dasedemir S, Cakmakoglu B, Cetinkaya Y, Varlibas F, Tireli H, Kucukali C. I., Ozkok E, Aydın M.
Genetic Testing and Molecular Biomarkers, vol.16, no.6, pp.504-507, 2012 (SCI-Expanded)

- XLIV. Ischemia/reperfusion in rat: Antioxidative effects of enoant on EEG, oxidative stress and inflammation**
Kara I, Nurten A, Aydin M, Ozkok E, Ozen I, Ozerman B, Tuna S, Karamursel S.
Brain Injury, vol.25, no.1, pp.113-126, 2011 (SCI-Expanded)
- XLV. Homocysteine and pro-inflammatory cytokine concentrations in acute heart disease**
Gokkusu C., Tulubas F., Unlucerci Y., Ozkok E., Umman B., Aydin M.
Cytokine, vol.50, no.1, pp.15-18, 2010 (SCI-Expanded)
- XLVI. Angiotensin-converting enzyme polymorphism in schizophrenia, bipolar disorders, and their first-degree relatives**
Kucukali C. İ., Aydin M., Ozkok E., Bilge E., Zengin A., Cakir U., Kara I.
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- XLVII. Are GRIK3 (T928G) gene variants in schizophrenia patients different from those in their first-degree relatives?**
KILIC G., Kucukali C. İ., Orhan N., Ozkok E., Zengin A., Aydin M., Kara I.
Psychiatry Research, vol.175, pp.43-46, 2010 (SCI-Expanded)
- XLVIII. Influences of genetic variants in interleukin-15 gene and serum interleukin-15 levels on coronary heart disease.**
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- XLIX. Do schizophrenia and bipolar disorders share a common disease susceptibility variant at the MMP3 gene?**
Kucukali C. İ., Aydin M., Ozkok E., Bilge E., Orhan N., Zengin A., Kara I.
Progress in Neuro-Psychopharmacology and Biological Psychiatry, vol.33, no.3, pp.557-561, 2009 (SCI-Expanded)
- L. Association of genetic variants in methylenetetrahydrofolate reductase and paraoxonase-1 genes with homocysteine, folate and vitamin B12 in coronary artery disease**
Aydin M., Gokkusu C., Ozkok E., Tulubas F., Unlucerci Y., Pamukcu B., Özbek Z., Umman B.
Molecular and Cellular Biochemistry, vol.325, pp.199-208, 2009 (SCI-Expanded)
- LI. ASSOCIATION OF GENETIC VARIANTS IN MTHFR AND PON-1 GENES WITH HOMOCYSTEINE, FOLATE AND VITAMIN B12 IN CORONARY ARTERY DISEASE**
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JOURNAL OF PHYSIOLOGICAL SCIENCES, vol.59, pp.530, 2009 (SCI-Expanded)
- LII. Paraoxonase-1 55/192 genotypes in schizophrenic patients and their relatives in Turkish population**
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- LIII. Combined impact of matrix metalloproteinase-3 and paraoxonase 1 55/192 gene variants on coronary artery disease in Turkish patients**
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- LIV. Effect of the methylenetetrahydrofolate reductase gene polymorphisms on homocysteine, folate and vitamin B12 in patients with bipolar disorder and relatives**
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- LV. ACE gene polymorphism in peripheral vascular disease**
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- LVI. Relationship between interleukin-8 and the oxidant-antioxidant system in end-stage renal failure patients**
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- LX. **Losartan may prevent the elevation of plasma glucose, corticosterone and catecholamine levels induced by chronic stress**
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- LXI. **Protective role of immobilization on ouabain-induced arrhythmias**
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- LXII. **The significance of human IgG1 kappa in prediction for autoimmune activation in Type 1 diabetes**
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- LXIII. **In Vitro Effects Of Calcium And Glucose On Calf Lens**
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Articles Published in Other Journals

- I. **Serum YKL-40 as Candidate Biomarker in Sepsis-Induced Lung Injury**
Ateş G., Özkök E, Yorulmaz H., Tamer A. Ş.
Cerrahpaşa Medical Journal, vol.47, no.2, pp.156-161, 2023 (Peer-Reviewed Journal)
- II. **The Improving Effects of Simvastatin on Erythrocyte Membrane Proteins in Endotoxemic Rats**
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Journal of Pharmacology & Clinical Toxicology, vol.8, no.2, pp.1-3, 2020 (Peer-Reviewed Journal)
- III. **INFLAMMATORY MARKERS AND INTERLEUKIN-6 (-174G/C) GENE POLYMORPHISM IN PERIPHERAL VASCULAR DISEASE**
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- IV. **Matrix Metalloproteinases and their inhibitors and MMP3 polymorphism in peripheral vascular disease**
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Medical and Biological Sciences, vol.1, no.2, 2014 (Non Peer-Reviewed Journal)
- V. **Wistar albino sıçanlarda İleal Anastomoz iyileşmesinde Piroksikamın etkisi**
Özkök E., Kızmaz A., ÇAKMAKOĞLU B., Aydıgan H., Eraltan İ., Ozturk O., Aydın M.
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- VI. **Changes in oxidative stress in Wistar albino rats during senescence**
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- VIII. **Short communication age-dependent changes in liver ganglioside levels**

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IX. Expression And Purification Of Rat Pancreas Glycolipids ,Differentiations During Detection Of Streptozotosin (STZ) Diabetes And Nicotinamide Protection.

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Books & Book Chapters

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in: Biyokimya Temel ve Özel Konular, Ayşen Yarat,Tuğba Tunalı Akbay,Ebru Işık Alturfan, Editor, Akademisyen Kitabevi, Ankara, pp.503-517, 2019

II. Özkök E.

in: , Ayşen Yarat,Tuğba Tunalı Akbay,Ebru Işık Alturfan, Editor, Akademisyen, Ankara, pp.85-98, 2019

III. Biyoenerjetik

Özkök E.

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IV. Tip 2 Diabetes Mellitusta Malondialdehid ve Glutasyon Düzeyleri

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Refereed Congress / Symposium Publications in Proceedings

I. Association of CYP1A1 and GSTM1 null polymorphisms with pro- and anti- inflammatory cytokines in the OCD group

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Scientific Refereeing

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