

Prof. Bahattin Avcı

Personal Information

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International Researcher IDs

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Education Information

Postgraduate, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Sağlık Yönetimi Anabilim Dalı, Turkey 2020 - 2021

Expertise In Medicine, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1996 - 2000

Undergraduate, Istanbul University, Istanbul Medical Faculty, Turkey 1987 - 1993

Dissertations

Expertise In Medicine, Menstrüel siklus boyunca cinsiyet hormonlarındaki değişiklikler ile serum leptin düzeyleri arasındaki ilişkiler, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2000

Research Areas

Biochemistry

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Associate Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2014 - 2022

Assistant Professor, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2008 - 2014

Academic and Administrative Experience

Scientific Award Committee Member, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2024 - Continues

Member of the Rectorate Academic Performance Evaluation Commission, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues

BAP Scientific Commissioner, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2016 - Continues

Courses

Temel Laboratuvar Yöntemleri, Postgraduate, 2015 - 2016
SHMYO-II.Sınıf- TLP 205 Klinik Biyokimya, Associate Degree, 2015 - 2016
Class I-Energy Block LECTURE(Lipogenesis), Undergraduate, 2012 - 2013
Class I-Nutrition Block LECTURE 1 SUNUM(Vitamins and trace Elements), Undergraduate, 2012 - 2013
Dönem III Hormon Bloğu 1 Hafta PDÖ, Undergraduate, 2012 - 2013
Dönem II-Seçmeli Ders 28Hafta/yıl, Undergraduate, 2012 - 2013
BIO603-Temel Laboratuvar Yöntemleri, Postgraduate, 2012 - 2013, 2011 - 2012
Dönem IHHormon Bloğu 1 SUNUM (Kadın ve erkek seks steroidleri ve sentezi), Undergraduate, 2012 - 2013
DÖNEM I-BESLENME BLOĞU-2 SUNUM(VİTAMİN-MİNERALLER VE SU), Undergraduate, 2012 - 2013
Bilimsel Hazırlık(Lipoliz), Postgraduate, 2012 - 2013
II.Sınıf TLT-205 Klinik Biyokimya, Associate Degree, 2012 - 2013
Bilimsel Hazırlık(Erkek ve kadın seks steroidleri ve sentezi), Postgraduate, 2012 - 2013, 2011 - 2012
Bilimsel Hazırlık(Biyolojik membranlardan transport), Postgraduate, 2012 - 2013
Dönem I-Enerji Bloğu 2 HAFTA/YIL PDÖ, Undergraduate, 2012 - 2013
Bilimsel Hazırlık(Kolesterol biyosentezi), Postgraduate, 2012 - 2013
Dönem IBeslenme Bloğu 1 HAFTA/YIL PDÖ, Undergraduate, 2012 - 2013
Bilimsel Hazırlık(Santral Sinir Sistemi hormonları), Postgraduate, 2012 - 2013, 2011 - 2012
Dönem I-Enerji Bloğu 2SUNUM/YIL (Lipogenez), Undergraduate, 2012 - 2013
DÖNEM I MİKROÇEVREDE DENGİ BLOĞU PDÖ (2 HAFTA), Undergraduate, 2012 - 2013, 2011 - 2012
Dönem IV Endokrin Ürogenital Sistem Bloğu (OGTT Uygulama) 12 hafta/yıl, Undergraduate, 2012 - 2013, 2011 - 2012
DÖNEM IBESLENME BLOĞU-2SUNUM(VİTAMİN-MİNERALLER VE SU), Undergraduate, 2012 - 2013, 2011 - 2012
Dönem I Yaşam Bloğu- 3HAFTA/yıl PDÖ, Undergraduate, 2012 - 2013
BIO607-Hormonların Biyokimyası, Postgraduate, 2012 - 2013, 2011 - 2012
II.Sınıf TLT-102 Temel laboratuvar uygulamaları, Associate Degree, 2012 - 2013
Bilimsel Hazırlık(Lipogenez), Postgraduate, 2012 - 2013
Dönem II Savunma-Enflamasyon Bloğu, 2 HAFTA/YIL PDÖ, Undergraduate, 2012 - 2013
Bilimsel Hazırlık(Mineraller), Postgraduate, 2012 - 2013, 2011 - 2012
Bilimsel Hazırlık(Hücre içi Sinyal aktarımı ve ikinci haberciler), Postgraduate, 2012 - 2013, 2011 - 2012
Dönem IIIHormon Bloğu SUNUM (Kadın ve erkek seks steroidleri ve sentezi), Undergraduate, 2011 - 2012
Dönem I Yaşam Bloğu- 3HAFTA-PDÖ, Undergraduate, 2011 - 2012
Dönem III Sindirim Bloğu-2 hafta-PDÖ, Undergraduate, 2011 - 2012
DışHekimliği Dönem II Temel Biyokimya, Undergraduate, 2011 - 2012
Class INutrition Block LECTURE 1 SUNUM(Vitamins and trace Elements), Undergraduate, 2011 - 2012
Dönem II Seçmeli Ders 12 hafta/yıl, Undergraduate, 2011 - 2012
Dönem II Büyüme Gelişme Bloğu-4 hafta-PDÖ, Undergraduate, 2011 - 2012
Dönem I Enerji Bloğu-2SUNUM (Lipogenez), Undergraduate, 2011 - 2012
Class I Energy Block LECTURE(1) (Lipogenesis), Undergraduate, 2011 - 2012

Advising Theses

Avcı B., Anksiyete Bozukluğu Olan Çocuklarda Oksidatif Stresin Değerlendirilmesi, Doctorate, A.ARAL(Student), Continues
Avcı B., Gürbilek M., RAT POLİKİSTİK OVER SENDROMU MODELİNDE TRPV1 ve TRPM2 İYON KANALLARININ EKSPRESYONUNUN ve METİLASYONUN ROLÜ, Doctorate, E.İNCİLAY(Student), Continues
Avcı B., TRANSLOKATÖR PROTEİN (TSPO) DÜZEYİNİN İNME HASTALIĞI TANI VE PROGNOZUNDAKİ ÖNEMİ, Doctorate, P.PAYHAN(Student), Continues
Avcı B., İn vitro enflamasyon modelinde hiperpolarizasyon ile aktive olan siklik nükleotid kapılı (HCN) kanallarının moleküler düzeyde araştırılması, Expertise In Medicine, Y.CİVİL(Student), 2022
Avcı B., Endometrial prekanseröz lezyonlar ve endometrial neoplazi oluşumunda adipokinlerin rolü, Doctorate, T.BARATZADA(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessment of silent brain injury in patients undergoing elective percutaneous coronary intervention due to chronic total occlusion**
Uyanik M., Yıldırım U., Avcı B., Soylu K.
SCANDINAVIAN CARDIOVASCULAR JOURNAL, vol.57, no.1, pp.25-30, 2023 (SCI-Expanded)
- II. **Investigation of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels in vitro inflammation model at molecular level**
Ürkmez Y. C., Avcı B., Gunaydin C., Çelik Z. B., Ürkmez S. S.
MOLECULAR AND CELLULAR BIOCHEMISTRY, 2023 (SCI-Expanded)
- III. **Effect of piezoincision on the rate of mandibular molar mesialization: A randomised clinical trial**
Oğrenim M., Cesur M., Demetoglu U., Yücel Z., Avcı B.
Nigerian journal of clinical practice, vol.26, no.6, pp.720-730, 2023 (SCI-Expanded)
- IV. **Aqueous humor and serum levels of 4-hydroxynonenal and 8-hydroxy-2'deoxyguanosine in pseudoexfoliation syndrome and glaucoma.**
Koçak N., Can E., Yeter V., Turunç M., Subaşı M., Niyaz L., Avcı B.
International ophthalmology, vol.43, no.4, pp.1395-1404, 2023 (SCI-Expanded)
- V. **Low serum allopregnanolone levels in children with attention deficit hyperactivity disorder**
Sahin I., SAY G. N., Avcı B., Kesim N.
PSYCHONEUROENDOCRINOLOGY, vol.146, 2022 (SCI-Expanded)
- VI. **Serum kisspeptin levels in deep-infiltrating, ovarian, and superficial endometriosis A prospective observational study**
Önal M., Karlı P., Özdemir A. Z., Kocaman A., Katirci Y., Coban G., Nakisli G. K., Cival Y., Avcı B.
MEDICINE, vol.101, no.45, 2022 (SCI-Expanded)
- VII. **Neuroprotective effects of synaptic acid involve the iron regulatory role on the rotenone- induced Parkinson's disease model**
Avcı B., Gunaydin C., Kulbay M., Kuruca Şahbazoglu N., Güvenç T., Bilge S. S.
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.58, 2022 (SCI-Expanded)
- VIII. **Clinical and biochemical evaluation of oral irrigation in patients with peri-implant mucositis: a randomized clinical trial**
Tutuncuoğlu S., Özkan Çetinkaya B., Pamuk F., Avcı B., Keles G. C., KURT BAYRAKDAR S., Lütfoğlu M.
CLINICAL ORAL INVESTIGATIONS, vol.26, no.1, pp.659-671, 2022 (SCI-Expanded)
- IX. **The Role of Delivery Route on Colostrum Melatonin and Serum IL-6 Levels: a Prospective Controlled study**
Caliskan C., Çelik S., Hatirnaz S., Çelik H., Avcı B., Tinelli A.
ZEITSCHRIFT FÜR GEBURTSHILFE UND NEONATOLOGIE, vol.225, no.06, pp.506-512, 2021 (SCI-Expanded)
- X. **Tofacitinib enhances remyelination and improves myelin integrity in cuprizone-induced mice**
Gunaydin C., Önger M. E., Avcı B., Bozkurt A., Terzi M., Bilge S. S.
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.43, no.6, pp.790-798, 2021 (SCI-Expanded)
- XI. **The effects of metformin treatment on the ovaries and uterus of offspring**
Ayas B., Kirmizikan S., Kocaman A., Avcı B.
GYNECOLOGICAL ENDOCRINOLOGY, vol.37, no.7, pp.624-628, 2021 (SCI-Expanded)
- XII. **Is afamin a potential early biomarker for subsequent development of preeclampsia? A nested case-control study**
Caliskan C. S., Çelik S., Avcı B.
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.34, no.12, pp.2006-2011, 2021 (SCI-Expanded)
- XIII. **Comparison of gingival crevicular fluid and serum human beta-defensin-2 levels between**

periodontal health and disease

Ozturk A., Kurt-Bayrakdar S., Avcı B.

ORAL DISEASES, vol.27, no.4, pp.993-1000, 2021 (SCI-Expanded)

- XIV. **Idebenone Ameliorates Rotenone-Induced Parkinson's Disease in Rats Through Decreasing Lipid Peroxidation**
Avcı B., Gunaydin C., Güvenç T., Yavuz C. K., Kuruca Şahbazoğlu N., Bilge S. S.
NEUROCHEMICAL RESEARCH, vol.46, no.3, pp.513-522, 2021 (SCI-Expanded)
- XV. **Decreased prostate-specific membrane antigen levels in the seminal plasma of oligoasthenoteratozoospermic men**
Arslan M. A., Avcı B., Tunçel Ö. K., Aşçı R.
ANDROLOGIA, vol.53, no.1, 2021 (SCI-Expanded)
- XVI. **The receptor for advanced glycation end product (RAGE) pathway in COVID-19**
YALÇIN KEHRİBAR D., Cihangiroglu M., Sehmen E., Avcı B., Capraz A., Yildirim Bilgin A., Gunaydin C., Özgen M.
BIOMARKERS, vol.26, no.2, pp.114-118, 2021 (SCI-Expanded)
- XVII. **The effect of ellagic acid on the repair process of periodontal defects related to experimental periodontitis in rats**
DEDE F. Ö., Dogan S. B., Ballı U., Durmuslar M. C., Avcı B., GÜLLE K., AKPOLAT FERAH M.
JOURNAL OF APPLIED ORAL SCIENCE, vol.29, 2021 (SCI-Expanded)
- XVIII. **SAHA attenuates rotenone-induced toxicity in primary microglia and HT-22 cells**
Gunaydin C., celik Z. B., Bilge S. S., Avcı B., Kara N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.37, no.1, pp.23-33, 2021 (SCI-Expanded)
- XIX. **Increased levels of interleukin-32 isoforms alpha, beta, gamma, and delta in the gingival crevicular fluid and plasma of the patients with periodontitis**
DEDE F. Ö., GÖKMENOĞLU C., Deveci E. T., Celen S., Avcı B., Kara C., ÇANAKÇI V.
JOURNAL OF PERIODONTAL RESEARCH, vol.56, no.1, pp.83-92, 2021 (SCI-Expanded)
- XX. **Serum vitamin D concentration is associated with antimicrobial peptide level in periodontal diseases**
Bayirli B. A., ÖZTÜRK A., Avcı B.
ARCHIVES OF ORAL BIOLOGY, vol.117, 2020 (SCI-Expanded)
- XXI. **Neuroprotective action of agmatine in rotenone-induced model of Parkinson's disease: Role of BDNF/cREB and ERK pathway**
Bilge S. S., Günaydin C., Önger M. E., Bozkurt A., Avcı B.
Behavioural Brain Research, vol.392, 2020 (SCI-Expanded)
- XXII. **Nonsurgical Periodontal Therapy Reduces Salivary and Gingival Crevicular Fluid YKL-40 and IL-6 Levels in Chronic Periodontitis**
Yucel Z. P. K., Keles G. C., Avcı B., Özkan Çetinkaya B.
ORAL HEALTH & PREVENTIVE DENTISTRY, vol.18, no.4, pp.815-822, 2020 (SCI-Expanded)
- XXIII. **The Role of NMDA Receptors in the Effect of Purinergic P2X7 Receptor on Spontaneous Seizure Activity in WAG/Rij Rats With Genetic Absence Epilepsy**
Dogan E., AYGÜN H., Arslan G., Rzaev E., Avcı B., Ayyıldız M., Ağar E.
FRONTIERS IN NEUROSCIENCE, vol.14, 2020 (SCI-Expanded)
- XXIV. **Is platelet-rich plasma improves the anastomotic healing in hyperthermic intraperitoneal chemotherapy with oxaliplatin: an experimental rat study**
Buk O. F., Ocak S., Genç B., Avcı B., Uzuner H. O.
ANNALS OF SURGICAL TREATMENT AND RESEARCH, vol.98, no.2, pp.89-95, 2020 (SCI-Expanded)
- XXV. **The assessment of the serum levels of TWEAK and prostaglandin F2 alpha in COVID-19**
YALÇIN KEHRİBAR D., Cihangiroglu M., Sehmen E., Avcı B., Capraz M., Boran M., Gunaydin C., Özgen M.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.8, pp.1786-1791, 2020 (SCI-Expanded)
- XXVI. **Is N-terminal pro-brain natriuretic peptide a reliable marker for body fluid status in children with chronic kidney disease?**
Nalcacioglu H., Ozkaya O., Kafali H. C., Tekcan D., Avcı B., Baysal K.
Archives of Medical Science, vol.16, no.4, pp.802-810, 2020 (SCI-Expanded)

- XXVII. **The Effect of Canabinoids on Epileptic Activity in WAG/Rij Rats and the Role of Purinergic P2X7 Receptors in This Effect**
Seri E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.78, 2019 (SCI-Expanded)
- XXVIII. **Possible Mechanism of Agmatine in Rotenone-Induced Parkinson's Disease Model in Rats**
Gunaydin C., Bilge S. S., Önger M. E., Bozkurt A., Avcı B.
ACTA PHYSIOLOGICA, vol.227, pp.86, 2019 (SCI-Expanded)
- XXIX. **Electrophysiological and Biochemical Effects and Interaction of P2X7 Receptors and Memantine on Epileptic Activity in WAG / Rij Rats**
Sen E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.227, pp.79, 2019 (SCI-Expanded)
- XXX. **The effects of platelet-rich-plasma gel application to the colonic anastomosis in hyperthermic intraperitoneal chemotherapy: An experimental rat model**
Ocak S., Buk O. F., Genç B., Avcı B., Uzuner H. O., Gundogdu S. B.
INTERNATIONAL WOUND JOURNAL, vol.16, no.6, pp.1426-1432, 2019 (SCI-Expanded)
- XXXI. **Effects of agomelatine in rotenone-induced Parkinson's disease in rats**
Gunaydin C., Avcı B., Bozkurt A., Önger M. E., Balci H., Bilge S. S.
NEUROSCIENCE LETTERS, vol.699, pp.71-76, 2019 (SCI-Expanded)
- XXXII. **Does transrectal ultrasonography-guided biopsy of the prostate lead to possible further metastasis via circulating tumor cells?**
Atilla M. K., Avcı B., Irkilata L., Aydin M., Bitkin A., Keles M., Yucel I., Ulubay M.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.49, no.6, pp.1701-1706, 2019 (SCI-Expanded)
- XXXIII. **The Effect of P2X7 Receptor Antagonist A-438079 On Absence Epilepsy Model of WAG/Rij Rats**
Sen E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.225, pp.21, 2018 (SCI-Expanded)
- XXXIV. **What is adverse effect of wireless local area network, using 2.45 GHz, on the reproductive system?**
Bilgici B., GÜN S., Avcı B., Akar A., Korunur Engiz B.
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, no.11, pp.1054-1061, 2018 (SCI-Expanded)
- XXXV. **Which Ischemic Stroke Subtype Is Associated with Hyperhomocysteinemia?**
Gungor L., Polat M., Ozberk M. B., Avcı B., Abur Ü.
JOURNAL OF STROKE & CEREBROVASCULAR DISEASES, vol.27, no.7, pp.1921-1929, 2018 (SCI-Expanded)
- XXXVI. **Protective effects of dietary omega-3 fatty acid supplementation on organophosphate poisoning**
Avcı B., Bilge S. S., ARSLAN G., Alici O., Darakci O., Baratzada T., Çiftcioğlu E., Yardan T., Bozkurt A.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.34, no.2, pp.69-82, 2018 (SCI-Expanded)
- XXXVII. **The role of bioelectrical impedance analysis, NT-ProBNP and inferior vena cava sonography in the assessment of body fluid volume in children with nephrotic syndrome**
Nalçacıoğlu H., Ozkaya O., Baysal K., Kafali H. C., Avcı B., Tekcan Karalı D., Genc G.
NEFROLOGIA, vol.38, no.1, pp.48-56, 2018 (SCI-Expanded)
- XXXVIII. **The Effect of P2X7 Receptor Agonist, BzATP on Absence-Like Epileptic Activity in Wag/Rij Rats**
Sen E., AYGÜN H., Arslan G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.26, 2017 (SCI-Expanded)
- XXXIX. **The Role of NMDA Receptor Blocker Memantine in the Effect of P2X7 Receptors on Penicillininduced Epileptiform Activity**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.106, 2017 (SCI-Expanded)
- XL. **The Effect of P2X7 Receptors on Penicillin-induced Epileptiform Activity and the Role of T-type Calcium Channel Inhibitor NNC 55-3069 on This Effect**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
ACTA PHYSIOLOGICA, vol.221, pp.33, 2017 (SCI-Expanded)
- XLI. **IS NT-PROBNP A RELIABLE MARKER FOR BODY FLUID STATUS IN CHILDREN WITH CHRONIC KIDNEY DISEASE?**

- Nalçacıoğlu H., Ozkaya O., Kafali H. C., Tekcan Karalı D., Avcı B., Baysal K.
PEDIATRIC NEPHROLOGY, vol.32, no.9, pp.1715, 2017 (SCI-Expanded)
- XLII. **Obesity and oxidative stress in patients with different periodontal status: a case-control study**
Atabay V. E., Lütfoğlu M., Avcı B., Sakallıoğlu E. E., Aydogdu A.
JOURNAL OF PERIODONTAL RESEARCH, vol.52, no.1, pp.51-60, 2017 (SCI-Expanded)
- XLIII. **Gingival crevicular fluid oxidative stress level in patients with periodontal disease and hyperlipidemia**
Lütfoğlu M., Aydogdu A., Atabay V. E., Sakallıoğlu E. E., Avcı B.
BRAZILIAN ORAL RESEARCH, vol.31, 2017 (SCI-Expanded)
- XLIV. **Glutathione levels in plasma, saliva and gingival crevicular fluid after periodontal therapy in obese and normal weight individuals**
Dede F. O., Dogan S. B., Ballı U., Avcı B., Durmuslar M. C., Baratzade T.
JOURNAL OF PERIODONTAL RESEARCH, vol.51, no.6, pp.726-734, 2016 (SCI-Expanded)
- XLV. **The Effect of P2X7 Receptor Antagonist A-438079 on Penicillin-induced Epileptiform Activity**
ARSLAN G., Kocacan S. E., Ayyıldız M., Rzayev E., Avcı B., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.77, 2016 (SCI-Expanded)
- XLVI. **The Effect of Low Dose Memantine on Epileptic Activity in WAG/Rij Rats**
Sen E., AYĞÜN H., ARSLAN G., Avcı B., Ayyıldız M., Ağar E.
ACTA PHYSIOLOGICA, vol.218, pp.77-78, 2016 (SCI-Expanded)
- XLVII. **Influence of -tocopherol and -lipoic acid on bisphenol-A-induced oxidative damage in liver and ovarian tissue of rats**
Avcı B., Bahadır A., Tunçel Ö. K., Bilgici B.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.32, no.8, pp.1381-1390, 2016 (SCI-Expanded)
- XLVIII. **Serum VEGF and PGF may be significant markers in prediction of severity of preeclampsia**
Kurtoglu E., Avcı B., Kokcu A., Çelik H., Dura M. C., Malatyalioglu E., Özdemir A. Z.
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.29, no.12, pp.1987-1992, 2016 (SCI-Expanded)
- XLIX. **Kidney injury molecule-1 and neutrophil gelatinase associated lipocalin in normoalbuminuric diabetic children**
Ucakturk A., Avcı B., Genc G., Ozkaya O., Aydın H. M.
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.29, no.2, pp.145-151, 2016 (SCI-Expanded)
- L. **The effect of initial periodontal treatment on plasma, gingival crevicular fluid and salivary levels of 8-hydroxy-deoxyguanosine in obesity**
Dede F. O., Dogan S. B., BALLI U., Avcı B., DURMUŞLAR M. C.
ARCHIVES OF ORAL BIOLOGY, vol.62, pp.80-85, 2016 (SCI-Expanded)
- LI. **The role of early determination of beta-human chorionic gonadotropin levels in predicting the success of single-dose methotrexate treatment in ectopic pregnancy**
Çelik H., TOSUN M., Isik Y., Avcı B.
GINEKOLOGIA POLSKA, vol.87, no.7, pp.484-487, 2016 (SCI-Expanded)
- LII. **Assessment of periostin levels in serum and gingival crevicular fluid of patients with periodontal disease**
Ballı U., Keles Z. P., Avcı B., Guler S., Cetinkaya B. O., Keles G. C.
JOURNAL OF PERIODONTAL RESEARCH, vol.50, no.6, pp.707-713, 2015 (SCI-Expanded)
- LIII. **Protective Effects of Omega-3 Fatty Acid Supplementation on Organic Phosphorus Pesticide Poisoning**
Avcı B., Bilge S. S., ARSLAN G., Baratzada T., Darakci O., Çiftcioğlu E., Yardan T., Bozkurt A.
ACTA PHYSIOLOGICA, vol.215, pp.98-99, 2015 (SCI-Expanded)
- LIV. **Oxidative stress in bipolar and schizophrenia patients**
Tunçel Ö. K., SARISOY G., Bilgici B., Pazvantoglu O., Cetin E., Unverdi E., Avcı B., Böke Ö.
PSYCHIATRY RESEARCH, vol.228, no.3, pp.688-694, 2015 (SCI-Expanded)
- LV. **Effects of Oleuropein on Serum Inflammatory Cytokines and Histopathological Changes in Rats with Pancreatitis**

- Caglayan K., Gungor B. B., Cinar H., Avcı B., Gur S., Arslan H. N.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.24, no.2, pp.213-218, 2015 (SCI-Expanded)
- LVI. **Effects of asymmetric dimethylarginine on inflammatory cytokines (TNF-alpha, IL-6 and IL-10) in rats**
Avcı B., Alacam H., Dilek A., Kozan A.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.31, no.3, pp.268-273, 2015 (SCI-Expanded)
- LVII. **Analysis of YKL-40 Acute-Phase Protein and Interleukin-6 Levels in Periodontal Disease**
Keles Z. P., Keles G. C., Avcı B., Özkan Çetinkaya B., EMİNGİL G.
JOURNAL OF PERIODONTOLOGY, vol.85, no.9, pp.1240-1246, 2014 (SCI-Expanded)
- LVIII. **The Role Of Bioelectrical Impedance Analysis, Nt-probnp And Inferior Vena Cava Sonography In The Assessment Of Body Fluid Volume In Children With Nephrotic Syndrome**
Nalçacıoğlu H., Ozkaya O., Kafali C., Avcı B., Tekcan Karalı D., Genc G., Baysal K.
PEDIATRIC NEPHROLOGY, vol.29, no.9, pp.1749, 2014 (SCI-Expanded)
- LIX. **Evaluation of plasma chemerin levels in patients with non-dipper blood pressure patterns**
Meriç M., Soylu K., Avcı B., Yüksel S., Gülel O., Yenercag M., Çoksevim M., Uzun A.
MEDICAL SCIENCE MONITOR, vol.20, pp.698-705, 2014 (SCI-Expanded)
- LX. **Urinary Neutrophil Gelatinase-Associated Lipocalin in Septic Preterm Babies: A Preliminary Study**
Genc G., Avcı B., Aygun C., Ozkaya O., Kucukoduk S.
AMERICAN JOURNAL OF PERINATOLOGY, vol.30, no.8, pp.655-659, 2013 (SCI-Expanded)
- LXI. **8-Hydroxy-Deoxyguanosine Levels in Gingival Crevicular Fluid and Saliva in Patients With Chronic Periodontitis After Initial Periodontal Treatment**
Dede F. O., Otan Özden F., Avcı B.
JOURNAL OF PERIODONTOLOGY, vol.84, no.6, pp.821-828, 2013 (SCI-Expanded)
- LXII. **Maternal serum interleukin-6 level in preterm labor**
Isik Y., Çelik H., Avcı B., TOSUN M., Bildircin D., Malatyalioglu E., Alper T.
GINEKOLOGIA POLSKA, vol.84, no.5, pp.368-372, 2013 (SCI-Expanded)
- LXIII. **Vascular endothelial growth factor and endothelin-1 levels in normal pregnant women and pregnant women with pre-eclampsia**
Celik H., Avcı B., Isik Y.
JOURNAL OF OBSTETRICS AND GYNAECOLOGY, vol.33, no.4, pp.355-358, 2013 (SCI-Expanded)
- LXIV. **Kidney Injury Molecule-1 as a Promising Biomarker for Acute Kidney Injury in Premature Babies**
Genc G., Ozkaya O., Avcı B., Aygun C., Kucukoduk S.
AMERICAN JOURNAL OF PERINATOLOGY, vol.30, no.3, pp.245-251, 2013 (SCI-Expanded)
- LXV. **Effect of Beta-Glucan on Intestinal Anastomoses in a Rat Model**
Caglayan K., Erdogan N., Avcı B., Gungor B. B., Cinar H., Arslan H. N.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.22, no.2, pp.157-163, 2013 (SCI-Expanded)
- LXVI. **Effect of 900 MHz radiofrequency radiation on oxidative stress in rat brain and serum**
Bilgici B., Akar A., Avcı B., Tunçel Ö. K.
ELECTROMAGNETIC BIOLOGY AND MEDICINE, no.1, pp.20-29, 2013 (SCI-Expanded)
- LXVII. **Does ADMA affect the oxidant/antioxidant balance in rats?**
Alacam H., Avcı B., Salis O., Dilek A., Kozan A., MERTOĞLU C., Sahin M., Okuyucu A.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.43, no.3, pp.405-410, 2013 (SCI-Expanded)
- LXVIII. **The effects of alpha-tocopherol on oxidative damage and serum levels of Clara cell protein 16 in aspiration pneumonitis induced by bile acids**
Alacam H., Karli R., Alici O., Avcı B., Guzel A., Kozan A., MERTOĞLU C., Murat N., Salis O., Guzel A., et al.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, no.1, pp.53-61, 2013 (SCI-Expanded)
- LXIX. **The effect of ouabain on mitochondrial DNA damage in HepG2 cell lines**
Nar R., Bedir A., Alacam H., Kilinc V., Avcı B., Salis O., Gulten S.
TUMOR BIOLOGY, vol.33, no.6, pp.2107-2115, 2012 (SCI-Expanded)
- LXX. **Oxidative stress induced by 1.8 GHz radio frequency electromagnetic radiation and effects of garlic extract in rats**

Avcı B., Akar A., Bilgici B., Tunçel Ö. K.

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, no.11, pp.799-805, 2012 (SCI-Expanded)

LXXI. URINARY NGAL IN SEPTIC PRETERM BABIES: A PRELIMINARY STUDY

Genc G., Avci B., Aygun C., Ozkaya O., Kucukoduk S.

PEDIATRIC NEPHROLOGY, vol.27, no.9, pp.1765-1766, 2012 (SCI-Expanded)

LXXII. Comparison of maternal serum levels of interleukin-10, interleukin-12, and interleukin-2 in normal and preeclamptic pregnancies

Çelik H., Avci B., Alper T.

PREGNANCY HYPERTENSION-AN INTERNATIONAL JOURNAL OF WOMENS CARDIOVASCULAR HEALTH, vol.2, no.1, pp.39-42, 2012 (SCI-Expanded)

LXXIII. Role of urine kidney injury molecule-1 as an early marker of acute renal failure in newborns with respiratory distress syndrome

Genc G., Ozkaya O., Avci B., Aygun C., Kucukoduk S.

PEDIATRIC NEPHROLOGY, vol.26, no.9, pp.1624, 2011 (SCI-Expanded)

LXXIV. Maternal and umbilical serum levels of interleukin-6, interleukin-8, and tumor necrosis factor-alpha in normal pregnancies and in pregnancies complicated by preeclampsia

TOSUN M., Çelik H., Avci B., Yavuz E., Alper T., Malatyalioglu E.

JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.23, no.8, pp.880-886, 2010 (SCI-Expanded)

LXXV. Henna (<i>Lawsonia inermis</i> Linn.) induced haemolytic anaemia in siblings

Kök A., Ertekin M., Ertekin V., Avci B.

INTERNATIONAL JOURNAL OF CLINICAL PRACTICE, vol.58, no.5, pp.530-532, 2004 (SCI-Expanded)

LXXVI. Umbilical Cord and Maternal Blood Leptin Concentrations in Intrauterine Growth Retardation

Yildiz L., Avci B., İNGEÇ M.

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.40, no.11, pp.1114-1117, 2002 (SCI-Expanded)

LXXVII. Antioxidant effect of T-type calcium channel blockers in gastric injury

Bilici D., Banoglu Z., Kiziltunç A., Avci B., Çiftçioglu A., Bilici S.

DIGESTIVE DISEASES AND SCIENCES, vol.47, no.4, pp.850-855, 2002 (SCI-Expanded)

LXXVIII. Melatonin prevents ethanol-induced gastric mucosal damage possibly due to its antioxidant effect

Bilici D., Süleyman H., Banoglu Z., Kiziltunç A., Avci B., Çiftçioglu A., Bilici S.

DIGESTIVE DISEASES AND SCIENCES, vol.47, no.4, pp.856-861, 2002 (SCI-Expanded)

LXXIX. Serum 1,25 dihydroxy vitamin D (1,25(OH)₂D₃), 25 hydroxy vitamin D (25(OH)D) and parathormone levels in diabetic retinopathy

Aksoy H., Akçay F., Kurtul N., Baykal O., Avci B.

CLINICAL BIOCHEMISTRY, vol.33, no.1, pp.47-51, 2000 (SCI-Expanded)

LXXX. Sialic acid, transketolase and Na⁺, K⁺, ATPase in patients with rheumatoid arthritis

Kiziltunç A., Cogalil S., Ugur M., Avci B., Akçay F. A.

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.36, no.5, pp.289-293, 1998 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of Caffeic Acid Phenethyl Ester on Gingival Tissue Inflammation in Experimental Periodontitis

DEMİR E., OTAN ÖZDEN F., AVCI B.

Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi, vol.28, no.4, pp.883-889, 2022 (Peer-Reviewed Journal)

II. Does the plasma vitamin D level affect the severity of infection in COVID-19 patients of different age groups? Plazma D vitamini düzeyi farklı yaş gruplarındaki COVID-19 hastalarında enfeksiyonun şiddetini etkiler mi?

Güvenç D., Atilla A., Avci B., Uslu V. R., Gökmen S., Temoçin F., KURUOĞLU T.

Pamukkale Medical Journal, vol.15, no.3, pp.499-512, 2022 (Scopus)

III. Düşük Doz Doksisisiklin ve Kişniş ile Tedavi Edilen Deneysel Periodontitisde Serum Antioksidan

Seviyelerinin ve İnflamatuvar Hücre Yoğunluğunun Karşılaştırılması

BOZKURT DOĞAN Ş., BALLI U., ÖNGÖZ DEDE F., GÜLLE K., AVCI B., ÇÖLGEÇEN H., AKPOLAT FERAH M., KURTIŞ M. B.

Düzce Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi, vol.12, no.3, pp.445-452, 2022 (Peer-Reviewed Journal)

- IV. **Relationship between serum cadherin 6 and 11 levels and severe and early-onset preeclampsia: A pilot study** Erken başlangıçlı ve ağır preeklampsi ile serum kaderin 6 ve 11 seviyeleri arasındaki ilişki: Bir pilot çalışma
Güvey H., Çalışkan C. S., Çelik S., YURTCU N., Hatırnaz Ş., Avcı B., Tinelli A.
Turkish Journal of Obstetrics and Gynecology, vol.19, no.2, pp.104-110, 2022 (Scopus)
- V. **Assessment of serum TWEAK levels in patients with familial Mediterranean fever**
YAVUZBİLGE G., OKUYUCU M., CİVİL Y., GÜNAYDIN S., AVCI B.
Journal of Surgery and Medicine, vol.5, no.2, pp.140-143, 2021 (Peer-Reviewed Journal)
- VI. **Is There Any Relationship between Maternal Vitamin D Levels and Asymptomatic Bacteriuria? A Preliminary Study**
ÖZDEŞ E., AVCI B., ÇELİK S., ÖCAL G., POLAT S., YARAN F. M., ÖZDEŞ T., TOSUN M., KÖKÇÜ A.
Open Journal of Obstetrics and Gynecology, vol.10, pp.1677-1685, 2020 (Peer-Reviewed Journal)
- VII. **Higher adrenomedullin levels during implantation are associated with successful pregnancy**
Karlı P., Bildircin Gökyar F. D., Özdemir A. Z., Avcı B.
FUTURE SCIENCE OA, vol.6, no.2, 2020 (ESCI)
- VIII. **Sentetik Kannabinoidlerin Nöropsikiyatrik Etkileri**
ARAL A., AVCI B., USTA M. B.
ARSIV KAYNAK TARAMA DERGİSİ, vol.29, no.1, pp.29-36, 2020 (Peer-Reviewed Journal)
- IX. **Effects of tryptophan, a precursor for melatonin, on IVF outcomes and Doppler parameters**
BILDİRCİN F. D., ÇELİK H. A., Özdemir A. Z., KARLI P., AVCI B., BATIOĞLU S.
Journal of health sciences and medicine (Online), vol.3, no.2, pp.97-101, 2020 (Peer-Reviewed Journal)
- X. **Effects of evening primrose oil and 5-fluorouracil on the healing of colonic anastomoses in rats**
Özbalcı G. S., Çınar H., Tarım İ. A., Kesicioğlu T., Karabulut K., Özbalcı A. B., Avcı B., Kamalı Polat A., Yıldız L., Erzurumlu K.
Experimental Biomedical Research, vol.3, no.1, pp.6-17, 2020 (Peer-Reviewed Journal)
- XI. **Do midkine levels in serum and follicular fluid affect IVFICSI outcome?**
Özdemir A. Z., KARLI P., AVCI B.
Journal of health sciences and medicine (Online), vol.3, no.3, pp.301-306, 2020 (Peer-Reviewed Journal)
- XII. **Prospective comparative study of third trimester serum RBP-4 as a potential adipokine marker of preeclampsia**
Çelik S., ÇELİK H., TOSUN M., AVCI B., Soyer Çalışkan C.
Cumhuriyet Tıp Dergisi (ELEKTRONİK), vol.41, pp.379-384, 2019 (Peer-Reviewed Journal)
- XIII. **The role of T-type calcium ion channel in the effect of P2X7 receptors on the absence-like epileptic activity in WAG/Rij rats**
ŞEN E., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
Anatomy, vol.13, no. Suppl 1, pp.30, 2019 (Peer-Reviewed Journal)
- XIV. **Serum amyloid-a may be an early marker in diagnosis of preterm premature rupture of membrane and chorioamnionitis**
KAYABAŞ H., BILDİRCİN F. D., AVCI B., KARLI P., Özdemir A. Z., ALPER T.
Annals of Medical Research, vol.26, no.12, pp.2802-2806, 2019 (Peer-Reviewed Journal)
- XV. **Analysis of orosomucoid and c-reactive protein levels in gingival tissue and serum of rats with experimental periodontitis: Comparison at different time points in disease progression**
ÖNGÖZ DEDE F., BALLI U., DURMUŞLAR M. C., BOZKURT DOĞAN Ş., AVCI B., AYAS B., TUNCEL Ö. K.
JOURNAL OF EXPERIMENTAL AND CLINICAL MEDICINE, vol.34, no.4, pp.269-274, 2019 (Peer-Reviewed Journal)
- XVI. **Prospective comparative study of third trimester serum retinol binding Protein 4 as a potential adipokine marker of pre-eclampsia**
Çelik S., ÇELİK H., Soyer Çalışkan C., TOSUN M., AVCI B.

- Cumhuriyet Tıp Dergisi (ELEKTRONİK), vol.41, no.2, pp.379-384, 2019 (Peer-Reviewed Journal)
- XVII. **Evaluation of IL 32 Levels In Gingival Tissue And Serum of Experimental Periodontitis Model**
Öngöz Dede F., Balı U., Durmuşlar M. C., Bozkurt Doğan Ş., Avcı B., Ayas B., Tunçel Ö. K.
J Turgut Ozal Med Cent, vol.24, no.3, pp.246-252, 2017 (Peer-Reviewed Journal)
- XVIII. **Can we trust the positivity of semi-quantitative glucose measurement in the urine?**
Nar R., Avcı B.
Journal of Experimental and Clinical Medicine (Turkey), vol.34, no.3, pp.161-164, 2017 (Scopus)
- XIX. **Relationship between gingival inflammation and total glutathione**
ÖNGÖZ DEDE F., DOĞAN S. B., BALLI U., AVCI B.
İnönü Üniversitesi Turgut Özal Tıp Merkezi Dergisi, vol.24, no.2, pp.162-166, 2017 (Peer-Reviewed Journal)
- XX. **Periodontal Hastalıklarda Oksidatif Stres ve Antioksidanların Önemi The importance of oxidative stress and antioxidants in periodontal diseases**
OTAN ÖZDEN F., ÖNGÖZ DEDE F., GÜNDÜZ K., AVSEVER İ. H., AVCI B.
Türkiye Klinikleri Dış Hekimliği Bilimleri Dergisi, vol.18, no.1, pp.77-86, 2012 (Peer-Reviewed Journal)
- XXI. **The importance of oxidative stres and antioxidants in periodontal diseases Review**
ÖZDEN F. O., ÖNGÖZ DEDE F., AVSEVER İ. H., AVCI B.
J Dental Sci, vol.18, no.1, pp.77-86, 2012 (Peer-Reviewed Journal)
- XXII. **Serum IL 6 and TNF in Patients With Thyroid Disorders**
KIZILTUNÇ A., BAŞOĞLU M., AVCI B., ÇAPOĞLU İ.
Turkish Journal of Medical Science, vol.29, pp.25-29, 1999 (Peer-Reviewed Journal)
- XXIII. **The influence of glutamine alcohol and some stressor conditions hypoxia and starvation on serum antioxidant enzymes and nitric oxide levels in rabbits**
KIZILTUNÇ A., ÇOĞALGİL Ş., UĞUR M., AVCI B., AKÇAY F.
Turkish Journal of Biochemistry, vol.23, no.4, pp.5-12, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **MARKS' TIBBİ BİYOKİMYANIN ESASLARI**
Amanvermez R. (Editor), Avcı B. (Editor)
İstanbul Kitabevi, İstanbul, 2017
- II. **20. Bölüm, Yağ asitlerinin oksidasyonu ve keton cisimleri**
AMANVERMEZ R., AVCI B., BİLGİCİ B., YURDAKUL Z., KAVUTÇU M., SEPİCİ DİNÇEL A., GİNİŞ Z., KÜME T., KAÇMAZ M., ULUSU N. N., et al.
in: Mark s Tıbbi Biyokimyanın Esasları, Ramazan Amanvermez, Bahattin avcı, Editor, istanbul tıp kitapevi, pp.311-328, 2016
- III. **DENEYSEL BİYOKİMYA**
BAKAN N., UMUDUM F. Z., AVCI B., ERMAN F.
Aktif Yayınevi, Erzurum, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **COVID-19 hastalarında serum ST2 düzeylerinin akciğer tutulumu ve hastalık şiddeti ile ilişkisi**
TUNA N. T., UYANIK M., TOMAK L., GÜLLÜ Y. T., AVCI B., KÖKSAL N.
Türkiye Solunum Araştırmaları Derneği SOLUNUM 2022 HİBRİT, Girne, Cyprus (Kktc), 5 - 10 November 2022
- II. **MPTP ile indüklenen Parkinson modelinde leflunomidin etkisinin araştırılması**
CİVİL Y., GÜNAYDIN C., BİLGE S. S., AVCI B.
4th International Health Science and Life Congress, Burdur, Turkey, 08 April 2021
- III. **Electromagnetic radiation used for mobile phone increases serum iron concentration**
BİLGİCİ B., ÜRKMEZ S. S., DEMİR H., AVCI B., AKAR A.

2nd INTERNATIONAL CONFERENCE ON AGRICULTURE, TECHNOLOGY, ENGINEERING AND SCIENCES, Lviv, Ukraine, 18 - 20 September 2019, pp.139-153

- IV. **Mandibular Molar Mezializasyonunda Piezoinsizyon Uygulamasının Ortodontik Diş Hareketine Etkisinin İncelenmesi**
ÖĞRENİM M., GEÇGELEN CESUR M., DEMETOĞLU U., YÜCEL Z. P., AVCI B.
16. Uluslararası Türk Ortodonti Derneği Sempozyumu, 2 - 05 November 2019
- V. **Effect of Vitamin D Levels on Antimicrobial Peptides in Periodontitis Patients and Healthy Controls**
BAYIRLI A. B., ÖZTÜRK A., AVCI B.
24th BASS Congress 9-11 Mayıs 2019 Tiran, Arnavutluk, Tirane, Albania, 9 - 11 May 2019
- VI. **The Role of T-type Calcium Ion Channel in the Effect of P2X7 Receptors on the Absence-Like Epileptic Activity in WAG/Rij Rats**
Şen e., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
17th Turkish Neuroscience Congress, Turkey, 4 - 07 April 2019, pp.30
- VII. **"İRİSİN" AEROBİK Mİ, ANAEROBİK Mİ?**
KÜÇÜK H., TAŞMEKTEPLİĞİL M. Y., AVCI B.
16. Uluslararası Spor Bilimleri Kongresi, 31 October - 03 November 2018
- VIII. **AKUT EGZERSİZİN İRİSİN SEVİYESİNE ETKİSİ**
ONAT T., KÜÇÜK H., AĞAOĞLU S. A., AVCI B.
16. Uluslararası Spor Bilimleri Kongresi, 31 October - 03 November 2018
- IX. **Nöromiyelitis Optika Spektrumunda Anti Miyelin Oligodendrosit Glikoprotein (Mog) Pozitifliği**
TERZİ M., GÜR VURAL D., GÜNGÖR B., AVCI B., İDİMAN E., KÖSEOĞLU M., SOYSAL A., YAYLA V. A., KIZILAY F., BİLGE N., et al.
54. Ulusal Nöroloji Kongresi, Antalya, Turkey, 30 November - 06 December 2018
- X. **Effects of P2X7 Receptors and T-type Calcium Channel Blocker NNC 55-0396 on Oxidative Parameters in Penicillin-induced Epileptiform Activity**
ARSLAN G., AVCI B., KOCACAN S. E., RZAYEV E., AYYILDIZ M., AĞAR E.
44. Ulusal Fizyoloji Kongresi, 1 - 04 November 2018, vol.225, pp.59
- XI. **NÖROMİYELITİS OPTİKA SPEKTRUMUNDA ANTİ MYELİN OLİGODENDROSİT GLİKOPROTEİN(MOG) POZİTİFLİĞİ**
TERZİ M., GÜR VURAL D., GÜNGÖR B., AVCI B., İDİMAN E., KÖSEOĞLU M., Soysal A., YAYLA V., KIZILAY F., BİLGE N., et al.
54. ULUSAL NÖROLOJİ KONGRESİ, Antalya, Turkey, 30 November - 06 December 2018, pp.236
- XII. **Deneyisel periodontitis oluşturulan ratlarda coriandrum sativum L'nin anti-inflamatuar ve anti-oksidan etkisinin düşük doz doksisisiklinle karşılaştırmalı olarak incelenmesi**
BOZKURT DOĞAN Ş., BALLI U., ÖNGÖZ DEDE F., KURTİŞ M. B., AVCI B., AKPOLAT FERAH M., ÇÖLGEÇEN H., GÜLLE K., DEVECİ E. T.
TDB 24. Uluslararası Diş Hekimliği Kongresi, 27 - 30 September 2018
- XIII. **Investigation of the levels of Ve-cadherin, VEGF in smoking and non-smoking generalized chronic periodontitis patients before and after phase I periodontal therapy**
PEHLİVAN G., SAKALLIOĞLU N. U., AVCI B., SAKALLIOĞLU E. E.
EuroPerio 9, Amsterdam, Netherlands, 20 - 23 June 2018, vol.45, pp.268
- XIV. **Investigation of the effect of agmatine in rotenone induced Parkinson's Disease model in rats**
GÜNAYDIN C., ÖNGER M. E., AVCI B., BOZKURT A., CANKARA F. N., BİLGE S. S.
18th World Congress of Basic and Clinical Pharmacology (WCP2018), Kyoto, Japan, 1 - 06 July 2018
- XV. **Anti-inflammatory Effect of Caffeic Acid Phenethyl Ester in Experimental Periodontitis.**
DEMİR E., OTAN ÖZDEN F., AVCI B.
Europerio 9, 20 - 23 June 2018
- XVI. **Effect of nonsurgical periodontal treatment on gingival crevicular fluid and salivary YKL-40 and IL-6 levels in chronic periodontitis patients**
YÜCEL Z. P., TEZAL G., AVCI B., ÖZKAN ÇETİNKAYA B.
Europerio 9, 20 - 23 June 2018, vol.45, pp.17-18

- XVII. Effect on gingival and serum glutathione levels of ellagic acid on ligature-induced periodontitis in rats.**
ÖNGÖZ DEDE F., BOZKURT DOĞAN Ş., BALLI U., DURMUŞLAR M. C., AVCI B.
9. Europerio Kongresi, Amsterdam, Netherlands, 20 - 23 June 2018
- XVIII. Evaluation of the malondialdehyde, protein carbonyl and total antioxidant capacity in patients with hyperlipidemia and different periodontal status**
LÜTFİOĞLU M., aydoğdu a., ATABAY V., SAKALLIOĞLU E. E., AVCI B., OĞUZ E.
EUROPERIO 9, Amsterdam, Netherlands, 20 - 23 June 2018, vol.45, pp.128
- XIX. The effect of Agmatine in Rotenone Induced Parkinson's Disease Model In Rats**
GÜNAYDIN C., ÖNGER M. E., AVCI B., BOZKURT A., CANKARA F. N., BİLGE S. S.
18th World Congress of Basic and Clinical Pharmacology, 1 - 06 June 2018
- XX. Effect of agomelatine in rotenone-induced Parkinson's disease in rats**
GÜNAYDIN C., BOZKURT A., AVCI B., ÖNGER M. E., BALCI H., BİLGE S. S.
Cellular Neuroscience and Oxidative Stress Society 7th World Congress, 20 - 23 April 2018
- XXI. Effects of agomelatine in rotenone-induced Parkinson's disease model in rats**
GÜNAYDIN C., BOZKURT A., AVCI B., ÖNGER M. E., BALCI H., BİLGE S. S.
7th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, 20 - 23 April 2018
- XXII. Possible Mechanism Of The Effect Of Agomelatine On Rotenone Induced Parkinson Model In Rats**
Günaydin C., AVCI B., ÖNGER M. E., BALCI H., BOZKURT A., BİLGE S. S.
7th World Congress Oxidative Stress, 20 - 23 April 2018
- XXIII. Damage and inflammatory effect of electromagnetic radiation generated by wireless internet networks (2.45 GHz EMR) on the rat testicular tissues**
BİLGİCİ B., Gün S., AVCI B., AKAR A.
International Biochemical Congress 2017, 19 - 23 September 2017, vol.42, pp.72
- XXIV. IS NT-PROBNP A RELIABLE MARKER FOR BODY FLUID STATUS IN CHILDREN WITH CHRONIC KIDNEY DISEASE?**
NALÇACIOĞLU H., ÖZKAYA O., KAFALI H. C., TEKCAN D., AVCI B., BAYSAL K.
50. TH EUROPEAN SOCIETY FOR PEDIATRIC NEPHROLOGY MEETING, Glasgow, England, 6 - 09 October 2017
- XXV. The Role of NMDA Receptor Blocker Memantine in the Effect of P2X7 Receptors on Penicillin-induced Epileptiform Activity**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., Rzayev E., AVCI B., AĞAR E.
43. Ulusal Fiziyojji Kongresi, Denizli, Turkey, 7 - 10 September 2017, vol.221, pp.106
- XXVI. The role of P2X7 receptors in penicillin-induced epileptiform activity**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., Rzayev E., AVCI B., AĞAR E.
FEPS 2017 Vienna Congress, Viena, Austria, 13 - 15 September 2017, vol.221, pp.150
- XXVII. The Effect of P2X7 Receptors on Penicillin-induced Epileptiform Activity and the Role of T-type Calcium Channel Inhibitor NNC 55-3069 on This Effect**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., Rzayev E., AVCI B., AĞAR E.
43. Ulusal Fiziyojji Kongresi, Denizli, Turkey, 7 - 10 September 2017, vol.221, pp.33
- XXVIII. The role of P2X7 receptors in penicillin-induced epileptiform activity**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., Rzayev E., AVCI B., AĞAR E.
FEPS 2017, Viena, Austria, 13 - 15 September 2017, vol.221, pp.9-10
- XXIX. Damage and inflammatory effects of electromagnetic radiation generated by wireless internet networks (2245 GHz EMR) on the rat testicular tissue**
BİLGİCİ B., GÜN S., AVCI B., AKAR A.
28th INTERNATIONAL BIOCHEMISTRY CONGRESS, 19 - 23 September 2017
- XXX. The role of P2X7 receptors in penicillin-induced epileptiform activity**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., RZAYEV E., AVCI B., AĞAR E.
FEPS 2017, 13 - 15 September 2017
- XXXI. The Effect of P2X7 Receptor Agonist, BzATP on Absence-Like Epileptic Activity in Wag/Rij Rats**
ŞEN E., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.

43. Ulusal Fizyoloji Kongresi, Turkey, 7 - 10 September 2017
- XXXII. **The effect of memantine on epileptic activity in WAG/Rij rats**
ŞEN E., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
15th Turkish Neuroscience Congress, 7 - 10 May 2017, vol.7, pp.49-50
- XXXIII. **The effect of memantine on epileptic activity in WAG/Rij rats**
Şen E., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
15th Turkish Neuroscience Congress, Sakarya, Turkey, 7 - 10 May 2017, vol.11, pp.49-50
- XXXIV. **Memantin WAG/Rij Sıçanlardaki Epileptik Aktiviteye Etkisi**
ŞEN E., AYĞÜN H., ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
15. Ulusal Sinirbilim Kongresi, Turkey, 7 - 10 May 2017, pp.94
- XXXV. **Laboratuvar Hataları ve Hasta Güvenliği**
AVCI B.
Uluslararası Katılımlı XVII. Klinik Biyokimya Kongresi, Girne, Cyprus (Kktc), 4 - 07 May 2017, vol.15, pp.16
- XXXVI. **NT-proBNP, Kronik Böbrek Hastalarında Vücut Sıvı Durumunun Güvenilir Bir Göstergesi midir?**
NALÇACIOĞLU H., ÖZKAYA O., KAFALI H. C., TEKCAN D., AVCI B., BAYSAL K.
9. Ulusal Çocuk Nefroloji Kongresi, Turkey, 24 - 27 November 2016
- XXXVII. **The Effect of P2X7 Receptor Antagonist A 438079 on Penicillin induced Epileptiform Activity**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., RZAYEV E., AVCI B., AĞAR E.
42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016
- XXXVIII. **P2X7 Reseptör Antagonisti A-438079' un Penisilinle Oluşturulan Epileptiform Aktiviteye Etkisi**
ARSLAN G., KOCACAN S. E., AYYILDIZ M., RZAYEV E., AVCI B., AĞAR E.
42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, vol.1, pp.77
- XXXIX. **Protective effects of curcumin supplementation on oxidant/antioxidant system changes created by organic phosphorus pesticide poisoning**
Avcı B., Bilge S. S., Arslan G., Alici O., Darakci O., Çiftcioğlu E., Baratzada T., Yardan T., Bozkurt A.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.404
- XL. **Web based Education**
KARAKUŞ A., ATALAY Y. O., AVCI B.
EDUCATORS' TRAINING COURSE, Samsun, Turkey, 30 May - 03 June 2016
- XLI. **Basic Components in Developing a Curriculum Determining Learner Needs**
KARAKUŞ A., AVCI B.
Educator's Training Course, Samsun, Turkey, 30 May - 03 June 2016
- XLII. **Objective Structured Clinical Examination**
DİKİCİ M. F., PİRZİRENLİ AYDIN M. E., ÖZDEN E., AVCI B., ŞAHİN M. K.
EDUCATORS' TRAINING COURSE, Samsun, Turkey, 30 May - 03 June 2016
- XLIII. **Biochemical Analysis of Interleukin 32 Levels In Experimental Periodontitis Model**
ÖNGÖZ DEDE F., BALLI U., DURMUŞLAR M. C., BOZKURT DOĞAN Ş., AVCI B.
21 st Congress of BaSS, Banja Luka, Bosnia And Herzegovina, 12 - 15 May 2016
- XLIV. **Deneyisel Periodontitis Oluşturulan Sıçanlarda Orosomukoid ve C Reaktif Protein Seviyelerinin Biyokimyasal Analizi**
ÖNGÖZ DEDE F., BALLI U., DURMUŞLAR M. C., BOZKURT DOĞAN Ş., AVCI B.
46. Türk Periodontoloji Derneği Bilimsel Kongresi, İzmir, Turkey, 5 - 06 May 2016
- XLV. **Protective Effects of Omega 3 Fatty Acid Supplementation on Organic Phosphorus Pesticide Poisoning**
AVCI B., BİLGE S. S., ARSLAN G., BARATZADA T., ÖZGE D., ÇİFTÇİOĞLU E., BOZKURT A.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 04 September 2014, vol.215, pp.98-99
- XLVI. **the effect of obesity on oxidative stress in periodontal healthy and diseased tissues**
ATABAY V. E., LÜTFİOĞLU M., SAKALLIOĞLU E. E., AVCI B.
EUROPERIO 8, 3 - 06 June 2015, vol.42, pp.64-442
- XLVII. **Effects of evening primrose oil and 5-fluorouracil on the healing of colonic anastomoses in rats**

- ÖZBALCI G. S., ÇINAR H., TARIM İ. A., KESİCİOĞLU T., KARABULUT K., ÖZBALCI A. B., AVCI B., KAMALI POLAT A.
15. Türk kolon rektum cerrahisi kongresi, Turkey, 19 - 23 May 2015
- XLVIII. **Periodontal hastalıklı bireylerde tükürük total glutatyon seviyeleri üzerine obezitenin etkisi**
ÖNGÖZ DEDE F., BOZKURT DOĞAN Ş., AVCI B., BALLI U., DURMUŞLAR M. C.
Türk Periodontoloji Derneği 44. Bilimsel Kongresi, Turkey, 9 - 10 May 2014
- XLIX. **Tümör Belirteçlerinde Yeni Ufuklar**
AVCI B.
XV. Ulusal Klinik Biyokimya Kongresi, Fethiye, Türkiye., Muğla, Turkey, 23 - 26 April 2015
- L. **Çocukluk Çağı Nefrotik Sendromlu Hastalarda Vücut Sıvı Hacminin Belirlenmesinde Biyoelektriksel İmpedans Analizi, NT-proBNP ve Vena Kava İnförior Sonografi İncelemesinin Rolü.**
NALÇACIOĞLU H., ÖZKAYA O., BAYSAL K., KAFALI H. C., AVCI B., TEKCAN D., GENÇ G.
8. Ulusal Çocuk Nefroloji Kongresi, Turkey, 29 October - 01 November 2014
- LI. **Günlük Hayatımızda Maruz Kaldığımız Bisfenol A nın Penisilin Modeli Parsiyel Epilepside ve Genetik Absans Epilepsili Sıçanlardaki Rolü**
ARSLAN G., AVCI B., AYYILDIZ M., AĞAR E.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014
- LII. **BİPOLAR VE ŞİZOFRENİ HASTALARINDA TEDAVİ ÖNCESİ VE SONRASI OKSİDATİF STRES**
TUNÇEL Ö. K., SARISOY G., BİLGİCİ B., PAZVANTOĞLU O., ÇETİN E., ÜNVERDİ E., AVCI B., BÖKE Ö.
XIV. ULUSAL KLİNİK BİYOKİMYA KONGRESİ 24-27 Nisan 2014, Turkey, 24 - 27 April 2014
- LIII. **Bipolar ve Şizofreni Hastalarında Tedavi Öncesi ve Sonrası Oksidatif Stres**
TUNÇEL Ö. K., SARISOY G., BİLGİCİ B., PAZVANTOĞLU O., ÇETİN E., ÜNVERDİ E., AVCI B., BÖKE Ö.
XIV. Ulusal Klinik Biyokimya Kongresi, Turkey, 24 - 27 April 2014
- LIV. **BİSFENOL A NIN YOL AÇTIĞI OKSİDATİF HASAR ÜZERİNE ALFA TOKOFEROL VE ALFA LİPOİK ASİTİN ETKİLERİ**
AVCI B., BAHADIR A., TUNÇEL Ö. K., BİLGİCİ B.
XXV. ULUSAL BİYOKİMYA KONGRESİ 3-6 Eylül 2013, İZMİR, Turkey, 3 - 06 September 2013
- LV. **Bisfenol A nın Yol Açtığı Oksidatif Hasar Üzerine Alfa tokoferol ve Alfa lipoik Asitin Etkileri**
AVCI B., BAHADIR A., TUNÇEL Ö. K., BİLGİCİ B.
XXV. Ulusal Biyokimya Kongresi, Turkey, 3 - 06 September 2013
- LVI. **Can kidney injury molecule 1 kım 1 and neurophil gelatinase associated lipocalin ngal be markers for early findings of diabetic nephropathy**
UÇAKTÜRK S. A., KARA C., AVCI B., GENÇ G., ÖZKAYA O., AYDIN H. M.
51st Annual Meeting of the ESPE, 20 - 23 October 2012
- LVII. **Urinary NGAL in septic preterm babies a preliminary study**
GENÇ G., AVCI B., AYGÜN H. C., ÖZKAYA O., KÜÇÜKHÖDÜK Ş.
41st Eropean Society of Pediatric Nephrology Congress, 6 - 08 August 2012
- LVIII. **Karaciğer Fonksiyon Testleri**
AVCI B.
1.Aile Hekimliği Yaz Okulu, Turkey, 22 - 24 June 2012
- LIX. **Tam otomatik kan sayımı nasıl okunur? Örnekler ve püf noktaları**
AVCI B.
1.Aile Hekimliği Yaz Okulu, Turkey, 22 - 24 June 2012
- LX. **TİP 1 DİYABETLİ ÇOCUKLARDA İDRAR KİM 1 VE NGAL DÜZEYLERİ BÖBREK HASARININ ERKEN BELİRTECİ OLABİLİR Mİ**
UÇAKTÜRK S. A., KARA C., AVCI B., GENÇ G., ÖZKAYA O., AYDIN H. M.
15.ULUSAL PEDIATRİK ENDOKRİN VE DİYABET KONGRESİ, Turkey, 22 - 23 November 2011
- LXI. **Role of urine Kidney Injury Molecule I as an early marker of acute renal failure in newborns with respiratory distress syndrome**
GENÇ G., ÖZKAYA O., AVCI B., AYGÜN H. C., KÜÇÜKHÖDÜK Ş.
Eropean Society of Pediatric Nephrology Congress, 14 - 17 September 2011
- LXII. **CSF lactate level in diagnosis of bacterial meningitis following neurosurgical intervention**

DEVECİ A., ACİCBE Ö., AVCI B., ULUS A., ÇELİK F., TÜLEK N.

21st European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)/ 27th International Congress of Chemotherapy (ICC), Milan, Italy, 7 - 10 May 2011, vol.17, pp.108-668

- LXIII. **900 MHz lik Elektromanyetik Radyasyonun EMR Rat Beyin Dokusu ve Serumunda Protein Oksidasyon Lipit Peroksidasyon NO Paroksanaz Düzeylerine Etkisi**

BİLGİCİ B., AKAR A., AVCI B., TUNÇEL Ö. K.

22.ULUSAL BİYOKİYA KONGRESİ, ESKİŞEHİR, Turkey, 27 - 30 October 2010

- LXIV. **THE EFFECT OF GARLIC AND MOBILE PHONE INDUCED PROTEIN OXIDATION IN THE BRAIN**

AVCI B., AKAR A., BİLGİCİ B., TUNÇEL Ö. K.

18. Meeting of Balkan Clinical Laboratory federation 22-25 September, 2010, Tirana, Albania, 22 - 25 October 2010

- LXV. **The Effect of garlic and mobil phone induced protein oxidation in the brain**

AVCI B., AKAR A., BİLGİCİ B., TUNÇEL Ö. K.

Balkan Journal Of Clinical Laboratory, XVIII, 22 - 25 September 2010

- LXVI. **The influence of glutamine alcohol and some stressor conditions hypoxia and starvation on serum antioxidant enzymes and nitric oxide levels in rabbits**

KIZILTUNÇ A., AKÇAY F., BAŞOĞLU M., KELEŞ M. S., AVCI B., ALTUNTAŞ İ.

12th IFCC European Congress of Clinical Chemistry, 1 - 05 September 1997

Supported Projects

Avcı B., Project Supported by Higher Education Institutions, Translokator protein (TSPO) düzeyinin inme hastalığı tanı ve prognozundaki önemi, 2021 - 2023

Avcı B., Project Supported by Higher Education Institutions, İN VİTRO ENFLAMASYON MODELİNDE HİPERPOLARİZASYON İLE AKTİVE OLAN SIKLIK NÜKLEOTİD KAPILI (HCN) KANALLARIN MOLEKÜLER DÜZEYDE ARAŞTIRILMASI, 2021 - 2022

Avcı B., Project Supported by Higher Education Institutions, Rotenon ile indüklenen Parkinson modelinde sinapik asidin ferroptozis ve hem metabolizması üzerine etkisi, 2019 - 2019

Avcı B., Project Supported by Higher Education Institutions, Effects of oleuropein on serum inflammatory cytokines and histopathological changes in rats with pancreatitis, 2016 - 2016

Avcı B., Project Supported by Higher Education Institutions, ORGANİK FOSFORLU PESTİSİT ZEHİRLENMELERİNDE OMEGA-3 YAĞ ASİTİ VE CURCUMİNİN ETKİLERİ, 2013 - 2015

Scientific Consultations

Ondokuz Mayıs Üniversitesi Bilimsel Araştırma Projeleri Kurulu, Project Consultancy, Ondokuz Mayıs University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey, 2019 - Continues