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Education Information

Expertise In Medicine, Kocaeli University, Tıp Fakültesi, Turkey 2003 - 2008

Undergraduate, Gaziantep University, School Of Medicine, Turkey 1993 - 1999

Research Areas

Health Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli University, Tıp Fakültesi, Temel Tıp Bilimleri, 2019 - Continues

Advising Theses

Eraldemir F. C., Alvur T. M., Pediatrik popülasyonda; roche cobas 8000 e801 immün analiz cihazı için tiroid stimulan hormon (TSH), serbest T4 (sT4), serbest T3 (sT3) düzeylerinin referans aralıklarının indirekt yöntemle belirlenmesi, Expertise In Medicine, Ç.UMUT(Student), 2024

Eraldemir F. C., Kocaeli bölgesi serbest T3, serbest T4 ve TSH düzeylerinin popülasyona dayalı referans aralıklarının belirlenmesi, Postgraduate, İ.ŞAHİN(Student), 2020

Eraldemir F. C., Şizofrenili erkeklerde serum yüksek dansiteli lipoprotein 2 (HDL2), östradiol (E2), testosteron ve cinsiyet hormon bağlayıcı globulin (SHBG) seviyeleri arasındaki ilişki, Postgraduate, İ.LAYDIN(Student), 2019

Eraldemir F. C., Sıçanlarda kronik alkol uygulamasının beyin dokusu oksidasyonu ve nörotrofin düzeyleri üzerine olan etkilerinin araştırılması, Doctorate, Ö.DOĞA(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- Unlocking Optimal Glycemic Interpretation: Redefining HbA1c Analysis in Female Patients With Diabetes and Iron-Deficiency Anemia Using Machine Learning Algorithms**
Abdillahi K. M., ERALDEMİR F. C., KÖSESOY İ.

Journal of Clinical Laboratory Analysis, vol.38, no.13-14, 2024 (SCI-Expanded)

- II. **Etanercept Ameliorates Vascular, Endocrine, and Ovarian Changes in a Rat Model of DHEA-Induced Polycystic Ovary Syndrome**
Utkan Korun Z. E., Göçmez S. S., Furat Rencber S. H., Kavram Sarıhan K., Eraldemir F. C., Şahin D.
REPRODUCTIVE SCIENCES, vol.31, no.3, pp.714-726, 2024 (SCI-Expanded)
- III. **What is the ideal preconditioning time to reduce laparoscopic-induced oxidative stress?**
Yazicioglu M. B., ERALDEMİR F. C., Gunes A., Turgut H. T., Ciftci A.
JOURNAL OF MINIMAL ACCESS SURGERY, vol.19, no.4, pp.529-534, 2023 (SCI-Expanded)
- IV. **Deneysel akut pankreatit modelinde intraduktal botulinum toksin uygulaması enflamasyonu baskıladı Intraductal botulinum toxin injection suppressed the inflammation in experimental acute pancreatitis**
Yılmaz T. U., ERALDEMİR F. C., Gürel B., Yavuz Ö., Acar E., İşken T., YILMAZ H., UTKAN N. Z.
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.28, no.12, pp.1659-1666, 2022 (SCI-Expanded)
- V. **Serum cholecystokinin levels can be a predictive factor for difficult cholecystectomy: Decreased cholecystokinin receptor levels**
Yılmaz T. U., Eraldemir F. C., Vural Ç., Çınar S., Acar E., Caglayangil S., Yaprak Bayrak B., Utkan N. Z.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.28, no.7, pp.947-953, 2022 (SCI-Expanded)
- VI. **Antioxidant Effect of Thioredoxin and Vitamin D3 in Peritoneal Dialysis Patients**
Ileri S. Y., Batman A., Eraldemir C., BAKIRDÖĞEN S., DERVİŞOĞLU E.
BIOMED RESEARCH INTERNATIONAL, vol.2022, 2022 (SCI-Expanded)
- VII. **Protective effect of oltipraz in testicular ischaemia/reperfusion injury: An experimental study.**
Can O., Canat L., ERALDEMİR F. C., ACAR E., Yildirim F., Sonmez K., Otunctemur A., Altunrende F.
Andrologia, vol.54, no.1, 2022 (SCI-Expanded)
- VIII. **Protective effects of rectal ozone administration on colon anastomoses following radiotherapy**
YILMAZ T. U., YİRMİBEŞOĞLU ERKAL E., ÇINAR S., ERALDEMİR F. C., VURAL Ç., Tas E. U., UTKAN N. Z.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.31, 2022 (SCI-Expanded)
- IX. **THE EFFECTS OF ETANERCEPT AND CABERGOLINE ON ENDOMETRIOTIC IMPLANTS, UTERUS AND OVARIES IN RAT ENDOMETRIOSIS MODEL**
Keles C. D., Vural B., Filiz S., Vural F., Gacar G., Eraldemir F. C., Kurnaz Özbek S.
JOURNAL OF REPRODUCTIVE IMMUNOLOGY, vol.146, 2021 (SCI-Expanded)
- X. **Investigation of Possible Oxidative Damage Caused by Formaldehyde Exposure in the Rat's Heart and Aorta Tissue**
Tasdemir R., ACAR E., ÇOLAK T., HUNÇ F., BAMAÇ B., Kir H. M., ERALDEMİR F. C.
INTERNATIONAL JOURNAL OF MORPHOLOGY, vol.39, no.4, pp.1042-1047, 2021 (SCI-Expanded)
- XI. **Comparison of Cilostazol and Naftidrofuryl in an Experimental Acute Ischemia-Reperfusion Model**
Gülaştı Ö., Yavuz Ş., Arıkan A. A., Eraldemir F. C., Özbudak E., Şahin D., Kır H.
VASCULAR AND ENDOVASCULAR SURGERY, vol.55, no.1, pp.11-17, 2021 (SCI-Expanded)
- XII. **Effects of melatonin on ovarian reserve in cigarette smoking: an experimental study**
Kole E., Ozkan S. O., Eraldemir C., YILDIZ AKAR F., KURNAZ ÖZBEK S., ÇAKIR KÖLE M., Kum T., Filiz P. C.
ARCHIVES OF MEDICAL SCIENCE, vol.16, no.6, pp.1376-1386, 2020 (SCI-Expanded)
- XIII. **TNF-Related Apoptosis-Inducing Ligand Receptor 1 in Patients With Ankylosing Spondylitis**
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JCR-JOURNAL OF CLINICAL RHEUMATOLOGY, vol.26, no.6, pp.242-247, 2020 (SCI-Expanded)
- XIV. **Protective effect of hydrogen sulfide on experimental testicular ischemia reperfusion in rats.**
Bozkurt M., Degirmentepe R., Polat E., Yildirim F., Sonmez K., Cekmen M., Eraldemir C., Otunctemur A.
Journal of pediatric urology, vol.16, 2020 (SCI-Expanded)
- XV. **Evaluation of left and right ventricle by two-dimensional speckle tracking echocardiography in systemic sclerosis patients without overt cardiac disease**
Karadag D., Sahin T., Tekeoglu S., Işık O., Yazici A., Eraldemir F. C., Cefle A.

CLINICAL RHEUMATOLOGY, vol.39, no.1, pp.37-48, 2020 (SCI-Expanded)

- XVI. **Protective effects of apocynin on damaged testes of rats exposed to methotrexate.**
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- XVII. **Evaluation of the efficacy of Hypericum perforatum (St. John's wort) oil in the prevention of stricture due to esophageal corrosive burns**
AKAY M. A., Akduman M., Tataroglu A. C., Eraldemir C., Kum T., VURAL Ç., Yildiz G. E.
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- XVIII. **Evaluation of 25 hydroxy D3 vitamin levels in obese patients through laboratory data**
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- XIX. **Anxiolytic-Like and Antidepressant-Like Effects of Resveratrol in Streptozotocin-Induced Diabetic Rats**
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NOROSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.56, pp.144-149, 2019 (SCI-Expanded)
- XX. **Comparison of Total Bilirubin Values Measured with ABL 735 Blood Gas Analyzer and Roche Cobas C8000 Chemistry Analyzer in Age-Segregated Pediatric Patients**
ACAR E., HUNÇ F., Kum T., ERALDEMİR F. C., Kir H., BAYDEMİR C.
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- XXI. **Resveratrol prevents cognitive deficits by attenuating oxidative damage and inflammation in rat model of streptozotocin diabetes induced vascular dementia**
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- XXII. **Antagonism of adenosinergic system decrease SWD occurrence via an increment in thalamic NFkB and IL-6 in absence epilepsy**
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- XXIII. **The role of hepcidin, GDF15, and mitoferrin-1 in iron metabolism of polycythemia vera and essential thrombocytosis patients**
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- XXIV. **Association of serum paraoxonase 1 activities, polymorphisms and oxidative stress in breast cancer patients with type 2 diabetes mellitus**
ERALDEMİR F. C., ÜREN N., Kum T., Erbay B., ŞAHİN D., ERGÜL E., ACAR E., Ozsoy D., Cekmen M., Kir H., et al.
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- XXV. **An evaluation of rivaroxaban and clopidogrel in a rat lower extremity ischemia-reperfusion model: An experimental study**
Ozbudak E., ERALDEMİR F. C., Arikan A. A., ŞAHİN D., Kir H., Kurt T., Gulasti O. F., YAVUZ Ş.
Turkish Journal of Thoracic and Cardiovascular Surgery, vol.27, no.4, pp.513-520, 2019 (SCI-Expanded)
- XXVI. **Beneficial effects of Oltipraz, nuclear factor - erythroid-2-related factor 2 (Nrf2), on renal damage in unilateral ureteral obstruction rat model**
Polat E. C., Besirođlu H., Ozcan L., Otunctemur A., Eruyar A. T., Somay A., Ozbay N., Cekmen M., Eraldemir C., Ozbek E.
INTERNATIONAL BRAZ J UROL, vol.44, no.6, pp.1243-1251, 2018 (SCI-Expanded)
- XXVII. **Effects of Asenapine and Paliperidone on Depression, Anxiety and Analgesy in Mice: Alterations in Brain Neurotrophic Factors, Neurogenesis, and Blood Enzyme Levels**
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- XXVIII. **Effect of resveratrol and metformin on ovarian reserve and ultrastructure in PCOS: an experimental study**
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- XXIX. **Serum ghrelin levels: Is there any association with malnutrition and depression in peritoneal dialysis patients?**
Bek G. S., Batman A., Eraldemir C., EREN N., Bakirdogen S., DERVİŞOĞLU E.
Hippokratia, vol.22, no.1, pp.43-48, 2018 (SCI-Expanded)
- XXX. **RELATIONSHIP BETWEEN SERUM 25-HYDROXYVITAMIN D CONCENTRATION AND CONCENTRIC? SOKINETIC KNEE STRENGTH IN PROFESSIONAL FEMALE FUTSAL PLAYERS**
BAMAÇ B., ÇOLAK S., ÇOLAK T., ERALDEMİR F. C., ÇOLAK E., SU N., MARAL KIR H., TAŞDEMİR R., AKSU E., SON M.
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- XXXI. **The effect of leptin, ghrelin, and neuropeptide-Y on serum Tnf- α , Il-1 beta, Il-6, Fgf-2, galanin levels and oxidative stress in an experimental generalized convulsive seizure model**
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- XXXII. **Effects of Tadalafil 5 mg Dosed Once Daily in Men with Premature Ejaculation**
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- XXXIII. **The Effects of Adenosinergic Modulation on Cytokine Levels in a Pentylentetrazole-Induced Generalized Tonic-Clonic Seizure Model**
DEDE F., KARADENİZLİ S., ÖZSOY Ö. D., ERALDEMİR F. C., ŞAHİN D., ATEŞ N.
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- XXXIV. **The anti-inflammatory and anti-remodeling effect of tiotropium bromide in the subacute cigarette exposure mouse model**
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INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.9, no.11, pp.22824-22834, 2016 (SCI-Expanded)
- XXXV. **The relationship between neutrophil/lymphocyte and platelet/lymphocyte ratios with oxidative stress in active Crohn's disease patients**
ERALDEMİR F. C., Musul M., DUMAN A. E., Oztas B., BAYDEMİR C., HÜLAGÜ S.
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Sengul A., Ozkan M., Eraldemir C., Huseynova L., Ozsoy D., Akar F.
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- XXXVII. **Evaluation of antiinflammatory and antioxidant effect of mepenzolate in subacute cigarette exposure mouse model**
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- XXXVIII. **The relationship between brain-derived neurotrophic factor levels, oxidative and nitrosative stress and depressive symptoms: a study on peritoneal dialysis**
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- XXXIX. **Effects of Chronic Kidney Disease and Type of Dialysis on Serum Levels of Adiponectin, TNF-alpha and High Sensitive C-Reactive Protein**
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- XL. **Serum fetuin-A concentrations are inversely related to cytokine concentrations in patients with chronic renal failure**
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- XLI. **Adipocytokines leptin and adiponectin, and measures of malnutrition-inflammation in chronic renal failure: Is there a relationship?**

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- XLIII. **Effects of vitamins E, A and D on MDA, GSH, NO levels and SOD activities in 5/6 nephrectomized rats**
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Articles Published in Other Journals

- I. **ANTI-C1q IN SYSTEMIC LUPUS ERYTHEMATOSUS: RELATIONSHIP WITH CLINICAL MANIFESTATIONS AND DISEASE ACTIVITY**
Tekeoglu S., TEMİZ KARADAĞ D., Ozdemir Isik O., Gocoglu A., ERALDEMİR F. C., YAZICI A., ÇEFLE A.
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- II. **EFFECT OF CHRONIC STRESS ON SERUM AND TISSUE LEVELS OF KLOTHO AND TNF- α**
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- III. **Liraglutide Attenuates Gentamicin-Induced Nephrotoxicity in Rats by Reducing Oxidative Stress**
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- IV. **ALTERATIONS IN CATALASE, SUPEROXIDE DISMUTASE, GLUTATHIONE PEROXIDASE AND MALONDIALDEHYDE LEVELS IN SERUM AND LIVER TISSUE UNDER STRESS CONDITIONS**
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- V. **Preventive effects of montelukast against acetaminophen-induced nephrotoxicity: An experimental study**
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- VI. **The Effect of Exercise Training On Chromium Levels in Brain, Liver, and Spleen Tissues**
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- VII. **Effects of different trocar numbers on oxidative stress in laparoscopic cholecystectomy**
TİRYAKİ Ç., ÇİFTÇİ A., YAZICIOĞLU M. B., ERALDEMİR F. C., CİVİL O., GÜNEŞ A., FIRTINA G.
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- VIII. **Evaluation of analytical quality of cardiac biomarkers in the emergency laboratory by sigma metrics**
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- IX. **Information about bottom of iceberg of ammonia measurements in human plasma: Evaluation of uncertainty**
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- X. **Prokalsitonin yerine Nötrofil/LenfositOranı: Bir Seçenek Olabilir mi?**
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- XI. **Assessment of serum leptin, lipid profile, glucose level, insulin resistance and BMI in patients with skin tags**

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XII. The Relationship between Adiponectin and Breast Cancer

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XIII. İnvaziv duktal meme karsinomu vasküler endotelial büyüme faktörü ve nitrik oksit ilişkisi

ÖZDOĞAN H., ERALDEMİR F. C., ÇEKMEN M. B., TIRYAKI Ç., YAVAŞ İ., ERÇİN M. C., UTKAN N. Z.

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XIV. Etanercept Tedavisinin Endometriozisli sıçan Modelinde Serum Malonaldialdehid düzeylerine Etkisi

ERALDEMİR F. C., KELEŞ C. D., KUM T., VURAL B., BAYDEMİR C.

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XV. Etanercept Tedavisinin Deneysel Endometriozisli Sıçan Modelinde Serum Malonaldialdehid Düzeylerine Etkisi

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Books & Book Chapters

I. Serum Protein Elektroforezi

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in: TIBBİ BİYOKİMYA LABORATUVAR UYGULAMALARI KİTABI, Özgür Doğa Özsoy, Fatih Hunç, Editor, Kocaeli üniversitesi Vakfı yayınları, Kocaeli, pp.110-120, 2024

II. Glukometre ile Kan Glukoz Tayini

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III. Serum Paraoxonase 1 as a Biomarker: Features and Applications in Type 2 Diabetes Mellitus

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IV. Paraoxonases, oxidative stress, and breast cancer.

Eraldemir F. C., Korak T.

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Refereed Congress / Symposium Publications in Proceedings

I. Kan gazı analizi ve otoanalizör karşılaştırması: sodyum, potasyum ve klor

HUNÇ F., ERALDEMİR F. C., BALCI S., ACAR E., KUM T.

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II. Determining reference intervals of 25 hydroxy vitamin D in Kocaeli region

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Supported Projects

YARDIMOĞLU YILMAZ M., SARIHAN M., KURNAZ ÖZBEK S., ADİLİ OSMANİ L., ERALDEMİR F. C., Project Supported by Higher Education Institutions, STREPTOZOTOSİN ;(STZ) İLE İNDÜKLENEN DİYABETİK SIÇANLARIN AORTALARINDA OKSİDATİF YOLAKLAR VE DAMAR YAPISI ÜZERİNDE ATORVASTATİNİN ETKİSİNİN ARAŞTIRILMASI, 2018 - 2021

ERALDEMİR F. C., Project Supported by Higher Education Institutions, MESANE KANSERİ VAKALARINDA TXNIP, HOGG1 VE VDR GEN ÜRÜNLERİNİN KLİNİK EVREYLE İLİŞKİSİNİN İNCELENMESİ, 2018 - 2020

ŞİRİN G., ERDİK N., ERALDEMİR F. C., Project Supported by Higher Education Institutions, İNFLAMATUAR BARSAK HASTALIĞI TANILI HASTALARDA 13 VALANLI KONJUGE PNÖMOKOK AŞISINA ANTİKOR YANITININ DEĞERLENDİRİLMESİ, 2018 - 2019

CEYLAN F. S., KURNAZ ÖZBEK S., KASAP M., ERALDEMİR F. C., FURAT RENÇBER S. H., ÖZSOY Ö. D., FİLİZ S., GÜZEL MEYDANLI E., ERTÜRKÜNER S. P., Project Supported by Higher Education Institutions, TESTİS DOKUSU VE SPERM ÜZERİNDE KEMOTERAPİNİN (BEP REJİMİ) OLUMSUZ ETKİSİNE KARŞI MELATONİNİN KORUYUCULUĞUNUN FARKLI YÖNTEMLER UYGULANARAK ARAŞTIRILMASI, 2016 - 2019

ERALDEMİR F. C., Project Supported by Higher Education Institutions, DİYABETİK NEFROPATİDE TARÇININ BÖBREK DOKUSU ENDOPLAZMİK RETİKULUM STERİS ÜZERİNE ETKİLERİNİN ARAŞTIRILMASI, 2017 - 2018

KALENDER GÖNÜLLÜ B., EREN N., ERALDEMİR F. C., Project Supported by Higher Education Institutions, POLİKİSTİK BÖBREK HASTALIĞI OLAN KRONİK BÖBREK HASTALARINDA ARTERYEL SERTLİK İLE SERUM SOLUBLE α -KLOTHO VE FGF23 DÜZEYLERİ ARASINDAKİ İLİŞKİ, 2016 - 2017

ÇAKIROĞLU A. Y., KÖLE E., YILDIZ AKAR F., FİLİZ S., KURNAZ ÖZBEK S., ERALDEMİR F. C., Project Supported by Higher Education Institutions, KRONİK OLARAK SIGARA DUMANINA MARUZ BIRAKILAN SIÇANLARDA MELATONİNİN OVER REZERVİ ÜZERİNE ETKİLERİ, 2016 - 2017

ERALDEMİR F. C., Project Supported by Higher Education Institutions, SIÇANLARA KRONİK ALKOL UYGULAMASININ BEYİN DOKUSU OKSİDASYONU VE NÖROTROFİN DÜZEYLERİ ÜZERİNE OLAN ETKİLERİNİN ARAŞTIRILMASI, 2016 - 2017

GÖÇMEZ S. S., UTKAN T., YAZIR Y., DEMİRTAŞ ŞAHİN T., ERALDEMİR F. C., Project Supported by Higher Education Institutions, SIÇANLARDA STREPTOZOTOSİN İLE OLUŞTURULAN DİYABETİK VASKÜLER DEMANS MODELİNDE RESVERATROLÜN ÖĞRENME BELLEK FONKSİYONLARI ÜZERİNE ETKİLERİ, 2016 - 2017

ERALDEMİR F. C., Project Supported by Higher Education Institutions, MEME KANSERİNE TİP2 DİABETİN EŞLİK ETTİĞİ HASTALARDA PARAOKSONAZ 1 (PON1) POLİMORFİZMİ, TOTAL OKSİDAN (TOS), TOTAL ANTİOKSİDAN (TAS), MON 1 VE ARYLESTERAZ (ARES) DEĞİŞİM DÜZEYLERİ, 2014 - 2015

Activities in Scientific Journals

Türk Klinik Biyokimya Dergisi, Advisory Committee Member, 2023 - Continues

Memberships / Tasks in Scientific Organizations

Türk Klinik Biyokimya Derneği, Member, 2007 - Continues, Turkey

Metrics

Publication: 165

Citation (WoS): 482

Citation (Scopus): 551

H-Index (WoS): 13

H-Index (Scopus): 12

Invited Talks

Gastroenterolojide Sık Kullanılan Klinik Biyokimya Testleri, Conference, Türk Klinik biyokimya Derneđi sempozyumu-
Klinkte Klinik Biyokimya, Turkey, October 2023
Böbrek ve Karaciđer Fonksiyon Testleri, Kimden ne zaman, nasıl istenir?, Conference, Aile Hekimliđi, ahutv.net , Turkey,
February 2022
Sepsiste prokalsitonin ve C-reaktif protein, Conference, Uluslararası KBUD Kongre ve Lab Expo 2019, Turkey, October
2019

Non Academic Experience

M.Kazım Dinç Kandıra Devlet Hastanesi
Ünye Ana Çocuk Sađlığı Planlama (AÇSAP)