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ScopusID: 8505581400

Yoksis Researcher ID: 12944

Education Information

Expertise In Medicine, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 2000 - 2004

Undergraduate, Fırat University, School Of Medicine, Tıp Pr., Turkey 1983 - 1989

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2013 - Continues

Associate Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2009 - 2013

Assistant Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2007 - 2009

Research Assistant, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2000 - 2007

Courses

Postgraduate

Kanser Biyokimyası, Postgraduate, 2014 - 2015

Undergraduate

Klinik Biyokimya , Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

Associate Degree

Biyokimya I, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- Neuroprotective Effects of Coenzyme Q10 and Ozone Therapy on Experimental Traumatic Spinal Cord Injuries in Rats**

Gel G., Unluer C., Yılmaz E. R., ERGÜDER B. İ., Arıkok A. T., Sener S., Kertmen H. H., Turkoglu M. E.

World Neurosurgery, vol.188, 2024 (SCI-Expanded)

- II. **Interaction between hypertension and periodontitis**
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ORAL DISEASES, vol.30, no.3, pp.1622-1631, 2024 (SCI-Expanded)
- III. **Amantadine's neuroprotective effects in rabbit spinal cord ischemia/reperfusion model.**
Unluer C., Kuru Bektasoglu P., Erguder B. İ., Arikok A. T., Ermutlu I., Gurer B., Kertmen H.
Turkish neurosurgery, 2024 (SCI-Expanded)
- IV. **The relationship of serum adiponectin and leptin levels with pain, function and intervertebral disc degeneration in patients with chronic low back pain**
Tas N. D., Sonel Tur B., Ergüder B. İ., Durmaz M.
TURKISH JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION, vol.70, pp.468-475, 2024 (SCI-Expanded)
- V. **Neuroprotective Effects of Niacin on Ischemia/Reperfusion Injury of the Rabbit Spinal Cord**
Ermutlu İ., Fesli R., Arikök A. T., ERGÜDER B. İ., Kertmen H., Gürer B.
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- VI. **Mildronate Has Ameliorative Effects on the Experimental Ischemia/Reperfusion Injury Model in the Rabbit Spinal Cord**
Ozaydin D., Kuru Bektaşoğlu P., Türe D., Bozkurt H., ERGÜDER B. İ., Sargon M. F., Arikök A. T., Kertmen H., Gürer B.
World Neurosurgery, vol.173, 2023 (SCI-Expanded)
- VII. **Investigation of Atypical Cell Parameter in the Surveillance of Patients with NMIBC; Initial Outcomes of a Single Center Prospective Study**
KARABURUN M. C., ÖZKAYA M. F., ERGÜDER B. İ., SÜER E.
Journal of medical systems, vol.47, no.1, pp.41, 2023 (SCI-Expanded)
- VIII. **Cerebrolysin Amelioration of Spinal Cord Ischemia/ Reperfusion Injury in Rabbit Model**
Tonge C., Bektasoglu P. K., Gulmez A., Turkoglu M. E., Arikok A. T., ERGÜDER B. İ., Gurer B., Kertmen H.
Turkish Neurosurgery, vol.33, no.6, pp.1017-1027, 2023 (SCI-Expanded)
- IX. **CRISPR/CAS9 GENOME EDITING FOR NEURODEGENERATIVE DISEASES**
Nojadeh J. N., Eryilmaz N. S. B., ERGÜDER B. İ.
EXCLI JOURNAL, vol.22, pp.567-582, 2023 (SCI-Expanded)
- X. **Evaluation of hemolysis interference and possible protective effect of N-phenyl maleimide on the measurement of small peptides**
Durmaz M., Erguder I.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.47, no.6, pp.735-740, 2022 (SCI-Expanded)
- XI. **Neuroprotective Effects of Dexpanthenol on Rabbit Spinal Cord Ischemia/Reperfusion Injury Model**
Gulmez A., Bektasoglu P. K., Tonge C., Yaprak A., Turkoglu M. E., Onder E., ERGÜDER B. İ., Sargon M. F., Gurer B., Kertmen H.
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- XII. **Could urinary nerve growth factor and bladder wall thickness predict the treatment outcome of children with overactive bladder?**
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INTERNATIONAL BRAZ J UROL, vol.48, no.3, pp.553-560, 2022 (SCI-Expanded)
- XIII. **Determination of pentraxin 3 levels in diagnosis of appendicitis in children**
Ateş U., Göllü Bahadır G., Ergün E., Göllü Bahadır G., Durmaz M., Günay F., Erguder I., Bingol-Kologlu M., Yagmurlu A., Dindar H., et al.
PEDIATRICS INTERNATIONAL, no.5, pp.624-628, 2020 (SCI-Expanded)
- XIV. **Levels of Cytokines in Gingival Crevicular Fluid during Rapid Maxillary Expansion and the Subsequent Retention Period**
Topal S. C., BALOŞ TUNCER B., ELGÜN ÜLKAR S., Erguder I., ÖZMERİÇ KURTULUŞ N.
JOURNAL OF CLINICAL PEDIATRIC DENTISTRY, vol.43, no.2, pp.137-143, 2019 (SCI-Expanded)
- XV. **Comparative effects of methylprednisolone and tetracosactide (ACTH(1-24)) on ischemia/reperfusion injury of the rabbit spinal cord**
Kertmen H., Celikoglu E., Ozturk O. C., Gurer B., Bozkurt H., Kanat M. A., Arikok A. T., ERGÜDER B. İ., Sargon M. F.,

Sekerci Z.

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- XVI. **The effect of periodontal therapy on neopterin and vascular cell adhesion molecule-1 levels in chronic periodontitis patients with and without acute myocardial infarction: a case-control study**
TURGUT ÇANKAYA Z., BODUR A., TAÇOY G., Erguder I., Aktuna D., Cengel A.
JOURNAL OF APPLIED ORAL SCIENCE, vol.26, 2018 (SCI-Expanded)
- XVII. **Nitric oxide and arginase levels in peri-implant tissues after delayed loading**
GÖKMENOĞLU C., ÖZMERİÇ KURTULUŞ N., Sungur C., Bildik R. S., Erguder I., ELGÜN ÜLKAR S.
ARCHIVES OF ORAL BIOLOGY, vol.85, pp.207-211, 2018 (SCI-Expanded)
- XVIII. **Comparative effects of vitamin D and methylprednisolone against ischemia/reperfusion injury of rabbit spinal cords**
Gurer B., Karakoc A., Bektasoglu P. K., Kertmen H., Kanat M. A., Arikok A. T., Erguder B. İ., Sargon M. F., Ozturk O. C., Celikoglu E.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.813, pp.50-60, 2017 (SCI-Expanded)
- XIX. **The Protective Effect of Omeprazole Against Traumatic Brain Injury: An Experimental Study**
Ozay R., Turkoglu M. E., Gurer B., Dolgun H., EVİRGEN O., ERGÜDER B. İ., Hayirli N., Gurses L., Sekerci Z.
WORLD NEUROSURGERY, vol.104, pp.634-643, 2017 (SCI-Expanded)
- XX. **Does Decorin Protect Neuronal Tissue via Its Antioxidant and Antiinflammatory Activity from Traumatic Brain Injury? An Experimental Study**
Ozay R., Turkoglu E., Gurer B., Dolgun H., EVİRGEN O., ERGÜDER B. İ., Hayirli N., Gurses L., Sekerci Z., Yilmaz E. R.
WORLD NEUROSURGERY, vol.97, pp.407-415, 2017 (SCI-Expanded)
- XXI. **Follicular fluid norepinephrine and dopamine concentrations are higher in polycystic ovary syndrome**
Musali N., ÖZMEN B., ŞÜKÜR Y. E., ERGÜDER B. İ., ATABEKOĞLU C. S., SÖNMEZER M., BERKER B., Aytac R.
GYNECOLOGICAL ENDOCRINOLOGY, vol.32, no.6, pp.460-463, 2016 (SCI-Expanded)
- XXII. **Effects of carbon dioxide pneumoperitoneum on postoperative adhesion formation and oxidative stress in a rat cecal abrasion model**
Dalgic T., Oymaci E., Bostanci E. B., Cakir T., Kece C., Erguder I., Akoglu M.
INTERNATIONAL JOURNAL OF SURGERY, vol.21, pp.57-62, 2015 (SCI-Expanded)
- XXIII. **Potential neuroprotective effect of Anakinra in spinal cord injury in an in vivo experimental animal model**
Hasturk A. E., Yilmaz E. R., Turkoglu E., ARIKAN Ş. M., Togrul G., Hayirli N., ERGÜDER B. İ., EVİRGEN O.
NEUROSCIENCES, vol.20, no.2, pp.124-130, 2015 (SCI-Expanded)
- XXIV. **Neuroprotective effects of testosterone on ischemia/reperfusion injury of the rabbit spinal cord**
Gurer B., Kertmen H., Kasim E., Yilmaz E. R., Kanat B. H., Sargon M. F., Arikok A. T., ERGÜDER B. İ., Sekerci Z.
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- XXV. **Therapeutic evaluation of interleukin 1-beta antagonist Anakinra against traumatic brain injury in rats**
Hasturk A. E., Yilmaz E. R., Turkoglu E., Kertmen H., Horasanli B., Hayirli N., Erguder I. B., EVİRGEN O.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.21, no.1, pp.1-8, 2015 (SCI-Expanded)
- XXVI. **Antioxidant and antiapoptotic effects of darbepoetin-alpha against traumatic brain injury in rats**
Kertmen H., Gurer B., Yilmaz E. R., Kanat M. A., Arikok A. T., ERGÜDER B. İ., Hasturk A. E., Ergil J., Sekerci Z.
ARCHIVES OF MEDICAL SCIENCE, vol.11, no.5, pp.1119-1128, 2015 (SCI-Expanded)
- XXVII. **The comparative effects of recombinant human erythropoietin and darbepoetin-alpha on cerebral vasospasm following experimental subarachnoid hemorrhage in the rabbit**
Kertmen H., Gurer B., Yilmaz E. R., Arikok A. T., Kanat M. A., ERGÜDER B. İ., Sekerci Z.
ACTA NEUROCHIRURGICA, vol.156, no.5, pp.951-962, 2014 (SCI-Expanded)
- XXVIII. **The Effect of Light-Emitting Diode Photobiomodulation on Implant Stability and Biochemical Markers in Peri-Implant Crevicular Fluid**
GÖKMENOĞLU C., ÖZMERİÇ KURTULUŞ N., Erguder I., ELGÜN ÜLKAR S.

PHOTOMEDICINE AND LASER SURGERY, vol.32, no.3, pp.138-145, 2014 (SCI-Expanded)

- XXXI. **Effects of aqueous soybean, mistletoe and red clover extracts on activities of adenosine deaminase and xanthine oxidase enzymes**
Namuslu M., Kocaoglu H., Celik H. T., Avci A., Devrim E., Genc Y., Gocmen E., Erguder I. B., Durak I.
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, no.6, pp.367-371, 2014 (SCI-Expanded)
- XXX. **Urinary Cotinine and Breath Carbon Monoxide Levels Among Bar and Restaurant Employees in Ankara**
Caman O. K., ERGÜDER B. İ., ÖZCEBE L. H., Bilir N.
NICOTINE & TOBACCO RESEARCH, vol.15, no.8, pp.1446-1452, 2013 (SCI-Expanded)
- XXXI. **The protective effect of low-dose methotrexate on ischemia-reperfusion injury of the rabbit spinal cord**
Kertmen H., Gurer B., Yilmaz E. R., Sanli A. M., Sorar M., Arikok A. T., Sargon M. F., Kanat M. A., ERGÜDER B. İ., Sekerci Z.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.714, no.1-3, pp.148-156, 2013 (SCI-Expanded)
- XXXII. **Relationship of paraoxonase-1, malondialdehyde and mean platelet volume with markers of atherosclerosis in familial Mediterranean fever: an observational study**
Aritürk O. K., ÜRETEN K., Sari M., YAZIHAN N., Ermis E., Erguder I.
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.13, no.4, pp.357-362, 2013 (SCI-Expanded)
- XXXIII. **The protective effect of 2-mercaptoethane sulfonate (MESNA) against traumatic brain injury in rats**
Yilmaz E. R., Kertmen H., Gürer B., Kanat M. A., Arikok A. T., ERGÜDER B. İ., Hasturk A. E., Ergil J., Sekerci Z.
Acta Neurochirurgica, vol.155, no.1, pp.141-149, 2013 (SCI-Expanded)
- XXXIV. **EFFECTS OF CRT MONITOR-EMITTED RADIATION IN RAT TISSUES: PREVENTIVE EFFECT OF VITAMIN C**
SERİN KILIÇOĞLU S., Tabak S., Avci A., Kilicoglu B., DEVRİM E., ERGÜDER B. İ., Gurleyik E., Celepli S., ÇETİN R., DURAK İ.
NOBEL MEDICUS, vol.8, no.3, pp.81-86, 2012 (SCI-Expanded)
- XXXV. **Effects of darbepoetin-alpha in spinal cord ischemia-reperfusion injury in the rabbit**
Yilmaz E. R., Kertmen H., Dolgun H., Gürer B., Sanli A. M., Kanat M. A., Arikok A. T., Bahsi S. Y., ERGÜDER B. İ., Sekerci Z.
Acta Neurochirurgica, vol.154, no.6, pp.1037-1044, 2012 (SCI-Expanded)
- XXXVI. **Effects of grape consumption on plasma and erythrocyte antioxidant parameters in elderly subjects**
Avci A., Atli T., ERGÜDER B. İ., VARLI M., DEVRİM E., DEMİR Ö., DURAK İ., Turgay M.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.4, pp.525-529, 2010 (SCI-Expanded)
- XXXVII. **High osmolar contrast medium causes mild oxidation in liver, bladder, and ovary tissues from rats: vitamin C has protective role**
ERGÜDER B. İ., Cetin M., Namuslu M., SERİN KILIÇOĞLU S., DEVRİM E., Cetin R., DURAK İ.
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.6, pp.515-523, 2010 (SCI-Expanded)
- XXXVIII. **Citrate, oxalate, sodium, and magnesium levels in fresh juices of three different types of tomatoes: evaluation in the light of the results of studies on orange and lemon juices**
Yilmaz E., Batislam E., Kacmaz M., Erguder I.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, vol.61, no.4, pp.339-345, 2010 (SCI-Expanded)
- XXXIX. **Neuroprotective effect of mesna (2-mercaptoethane sulfonate) against spinal cord ischemia/reperfusion injury in rabbits**
Dolgun H., Sekerci Z., Turkoglu E., Kertmen H., Yilmaz E. R., Anlar M., Erguder I. B., TUNA H.
JOURNAL OF CLINICAL NEUROSCIENCE, vol.17, no.4, pp.486-489, 2010 (SCI-Expanded)
- XL. **Oxidant stress due to non ionic low osmolar contrast medium in rat kidney**
DEVRİM E., Cetin M., Namuslu M., Erguder I. B., Cetin R., DURAK İ.
INDIAN JOURNAL OF MEDICAL RESEARCH, vol.130, no.4, pp.433-436, 2009 (SCI-Expanded)
- XLI. **The effects of cigarette smoking on serum oxidant status, and cholesterol, homocysteine, folic acid, copper, and zinc levels in university students**
Ergüder I. B., UÇAR A., Aritürk I., Ergüder T., Avci A., Hasipek S., Sunguroğlu K.

- TURKISH JOURNAL OF MEDICAL SCIENCES, vol.39, no.4, pp.513-517, 2009 (SCI-Expanded)
- XLII. **Honey prevents hepatic damage induced by obstruction of the common bile duct**
 ERGÜDER B. İ., SERİN KILIÇOĞLU S., Namuslu M., Kilicoglu B., DEVRİM E., Kismet K., DURAK İ.
 WORLD JOURNAL OF GASTROENTEROLOGY, vol.14, no.23, pp.3729-3732, 2008 (SCI-Expanded)
- XLIII. **Cisplatin causes oxidation in rat liver tissues: Possible protective effects of antioxidant food supplementation**
 Avci A., Cetin R., Erguder I. B., DEVRİM E., Kilicoglu B., Candir O., ÖZTÜRK H. S., DURAK İ.
 TURKISH JOURNAL OF MEDICAL SCIENCES, vol.38, no.2, pp.117-120, 2008 (SCI-Expanded)
- XLIV. **Activities of xanthine oxidase and superoxide dismutase enzymes in rat intestinal tissues in sepsis**
 DEVRİM E., Avci A., Erguder I. B., Karagenc N., Kulah B., DURAK İ.
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- XLV. **High-cholesterol diet increases xanthine oxidase and decreases nitric oxide synthase activities in erythrocytes from rats**
 DEVRİM E., Erguder I. B., Oezbek H., Durak I.
 NUTRITION RESEARCH, vol.28, no.3, pp.212-215, 2008 (SCI-Expanded)
- XLVI. **Citrate levels in fresh tomato juice: A possible dietary alternative to traditional citrate supplementation in stone-forming patients**
 Yilmaz E., Batislam E., Basar M., Tuglu D., Erguder I.
 UROLOGY, vol.71, no.3, pp.379-383, 2008 (SCI-Expanded)
- XLVII. **The ultrastructural research of liver in experimental obstructive jaundice and effect of honey**
 Kilicoglu B., Gencay C., Kismet K., SERİN KILIÇOĞLU S., Erguder I., Erel S., Sunay A. E., Erdemli E., DURAK İ., Akkus M. A.
 AMERICAN JOURNAL OF SURGERY, vol.195, no.2, pp.249-256, 2008 (SCI-Expanded)
- XLVIII. **Tissue reactions of suture materials (polyglactine 910, chromed catgut and polydioxanone) on rat bladder wall and their role in bladder stone formation**
 KOŞAN T. M., Gonulalan U., Ozturk B., Kulacoglu S., Erguder I., Akdemir O., Cetinkaya M.
 UROLOGICAL RESEARCH, vol.36, no.1, pp.43-49, 2008 (SCI-Expanded)
- XLIX. **Effects of Electromagnetic Radiation Use on Oxidant/Antioxidant Status and DNA Turn-over Enzyme Activities in Erythrocytes and Heart, Kidney, Liver, and Ovary Tissues From Rats: Possible Protective Role of Vitamin C**
 DEVRİM E., Erguder I. B., Kilicoglu B., Yaykasli E., Cetin R., DURAK İ.
 TOXICOLOGY MECHANISMS AND METHODS, vol.18, no.9, pp.679-683, 2008 (SCI-Expanded)
- L. **Malondialdehyde and nitric oxide levels in erythrocytes from patients with systemic sclerosis**
 DEVRİM E., Erten S., Erguder I. B., Namuslu M., Turgay M., DURAK İ.
 MEDICAL PRINCIPLES AND PRACTICE, vol.17, no.4, pp.349-350, 2008 (SCI-Expanded)
- LI. **Effects of garlic consumption on plasma and erythrocyte antioxidant parameters in elderly subjects**
 Avci A., Atli T., Erguder I. B., VARLI M., DEVRİM E., ARAS S., DURAK İ.
 GERONTOLOGY, no.3, pp.173-176, 2008 (SCI-Expanded)
- LII. **Ionic high-osmolar contrast medium causes oxidant stress in kidney tissue: Partial protective role of ascorbic acid**
 Cetin M., DEVRİM E., SERİN KILIÇOĞLU S., Erguder I. B., Namuslu M., Cetin R., DURAK İ.
 RENAL FAILURE, vol.30, no.5, pp.567-572, 2008 (SCI-Expanded)
- LIII. **Effects of garlic and black grape extracts on the activity of adenosine deaminase from cancerous and noncancerous human urinary bladder tissues**
 DURAK İ., Biri H., Erguder I. B., Devrim E., Senocak C., Avci A.
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- LIV. **Effects of cooking techniques on antioxidant enzyme activities of some fruits and vegetables**
 ERGÜDER B. İ., Avci A., DEVRİM E., DURAK İ.
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- LV. **Effects of apple consumption on plasma and erythrocyte antioxidant parameters in elderly subjects**
 Avci A., Atli T., Erguder I. B., VARLI M., DEVRİM E., Turgay S. A. M., Durak I.

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- LVI. **Oxidant/antioxidant status of placenta, blood, and cord blood samples from pregnant women supplemented with iron**
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- LVII. **Short-term effects of smoking cessation on blood antioxidant parameters and paraoxonase activity in healthy asymptomatic long-term cigarette smokers**
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INHALATION TOXICOLOGY, vol.18, no.8, pp.575-579, 2006 (SCI-Expanded)
- LVIII. **Effects of cyclosporine on oxidant/antioxidant status in rat ovary tissues: Protective role of black grape extract**
Erguder I., Cetin R., Devrim E., Kilicoglu B., Avci A., Durak I.
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- LIX. **Effects of black grape extract on activities of dna turn-over enzymes in cancerous and non cancerous human colon tissues**
Durak I., Cetin R., Devrim E., Erguder I.
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- LX. **Methotrexate causes oxidative stress in rat kidney tissues**
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- LXI. **Effects of cholesterol supplementation on antioxidant enzyme activities in rat hepatic tissues: possible implications of hepatic paraoxonase in atherogenesis**
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Articles Published in Other Journals

- I. **Cinnamaldehyde has ameliorative effects on rabbit spinal cord ischemia and reperfusion injury**
Kuru Bektaşoğlu P., Arıkök A. T., ERGÜDER B. İ., Sargon M. F., Altun S. A., Ünlüler C., Börekci A., Kertmen H., Çelikoğlu E., Gürer B.
World Neurosurgery: X, vol.21, 2024 (Scopus)
- II. **Determination of Pentraxin 3 Levels in Diagnosis of Testicular Torsion in Experimental Rat Model**
BAHADIR K., ATEŞ U., ERGÜN E., GÖLLÜ BAHADIR G., EKBERLİ G., DURMAZ M., BİLLUR D., ERGÜDER B. İ., ÇAKMAK A. M.
Ankara Üniversitesi Tıp Fakültesi Mecmuası, vol.76, pp.154-158, 2023 (Peer-Reviewed Journal)
- III. **Elevated Angiogenic Factor Levels After Transarterial Radioembolization for Colorectal Cancer Liver Metastases May Predict a Poor Prognosis**
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- IV. **Evaluation of Oxidant/Antioxidant System, IL-6 and IL-10 Parameters and SOD-Enzyme Activity in Pregnancy with Down Syndrome in Amnion Fluid Analysis**
Bahsi S., Bakır A., Topcu V., Bahsi T., ERGÜDER B. İ.
GAZI MEDICAL JOURNAL, vol.33, no.1, pp.53-57, 2022 (ESCI)
- V. **Anorexigenic peptide (leptin, obestatin, nesfatin-1) levels and their impact on assisted reproductive technology treatment outcomes in patients with polycystic ovary syndrome**
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- VI. **Mediterranean diet and breastfeeding reduce the risk of gallstone in women**
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- VII. **Etanercept prevents histopathological damage after spinal cord injury in rats**
hasturk a. e., BARAN Ç., yılmaz e. r., arıkan m., Togrul G., Hayırlı N., ERGÜDER B. İ., EVİRGEN O.
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Citation (Scopus): 896

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