

Prof. CEMİL ÇOLAK

Personal Information

Office Phone: [+90 422 341 0660](tel:+904223410660) Extension: 1287

Fax Phone: [+90 422 341 0036](tel:+904223410036)

Email: cemil.colak@inonu.edu.tr

Web: <https://avesis.inonu.edu.tr/cemil.colak>

International Researcher IDs

ScholarID: Pk-BSwoAAAAJ

ORCID: 0000-0001-5406-098X

Publons / Web Of Science ResearcherID: ABI-3261-2020

ScopusID: 11738942300

Yoksis Researcher ID: 9217

Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Biyoistatistik, Turkey 2001 - 2005

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Biyoistatistik, Turkey 1999 - 2001

Undergraduate, Ondokuz Mayıs University, Fen Edebiyat, İstatistik, Turkey 1994 - 1999

Dissertations

Doctorate, Doğrusal olmayan büyüme modelleri ve özilişkinin incelenmesi/ Nonlinear growth models and the study of autocorrelation, Ankara University, 2005

Postgraduate, Lojistik regresyon analizi ve sağlık bilimlerinde bir uygulama / Logistic regression and its application in health sciences, Inonu University, Sağlık Bilimleri Enstitüsü, Sağlık Bilimleri Enstitüsü/Biyoistatistik Anabilim Dalı, 2001

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Epidemiology, Information Security and Reliability, Computer Vision, bioinformatics, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing

Academic Titles / Tasks

Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2016 - Continues

Associate Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2011 - 2016

Assistant Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2007 - 2011

Academic and Administrative Experience

Deputy Chief Physician, Inonu University, (Tötm), 2016 - 2018

Courses

Probleme Dayalı Tartışma, Undergraduate, 2013-2014

Medical Informatics, Undergraduate, 2013-2014

Tıp Bilişimi, Undergraduate, 2013-2014

SAĞLIK BİLİMLERİNDE ARAŞTIRMA YÖNTEMLERİ, Undergraduate Double Major, 2013-2014

BİYOİSTATİSTİK, Undergraduate, 2013-2014

ARAŞTIRMA DEĞERLENDİRMEDE BİLGİSAYAR VE İSTATİSTİKSEL YAZILIM KULLANIMI, Undergraduate Double Major, 2013-2014

Kanıtı Dayalı Tıp Uygulamaları, Undergraduate, 2013-2014

Advising Theses

ÇOLAK C., Koroner Arter Hastalarında Hipertansiyonun Sınıflandırılması için Dengesiz Sınıf Probleminin Tıbbi Bilgi Keşfi Süreci ile Giderilmesi, Postgraduate, A.KADİR(Student), 2018

ÇOLAK C., İŞGÜCÜNE KATILIM ORANINI ETKİLEYEN FAKTÖRLERİN KATEGORİK REGRESYON ANALİZİ İLE MODELLENMESİ, Postgraduate, S.SAKLIYAN(Student), 2018

ÇOLAK C., Çeşitli çekirdek fonksiyonları ile oluşturulan destek vektör makinesi modellerinin performanslarının incelenmesi: Bir klinik uygulama, Doctorate, E.GÜLDOĞAN(Student), 2017

ÇOLAK C., Sağlam regresyon tahmin edicilerinin incelenmesi ve bir uygulama, Postgraduate, A.TOY(Student), 2014

ÇOLAK C., Prostat spesifik antijen (PSA)'nın değişik yapay sinir ağı modelleri ile tahmini, Postgraduate, M.ONUR(Student), 2011

ÇOLAK C., Sol atriyum çapının temel bileşenler regresyonu, kısmi en küçük kareler regresyonu ve yapay sinir ağları ile tahminlerinin karşılaştırılması, Postgraduate, F.AŞKIN(Student), 2011

ÇOLAK C., Sistolik kan basıncını etkileyebilecek faktörlerin ridge regresyon analizi ile incelenmesi ve çoklu bağlantı problemi, Postgraduate, E.PAMUKÇU(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Next-Generation Healthcare: Artificial Intelligence Applications in Disease Management**
Akbulut A. S., Colak C.
DIAGNOSTICS, vol.14, no.11, pp.1087, 2024 (SCI-Expanded)
- II. **Analysis of hematological indicators via explainable artificial intelligence in the diagnosis of acute heart failure: a retrospective study.**
Yilmaz R., Yagin F. H., Colak C., Toprak K., Abdel Samee N., Mahmoud N. F., Alshahrani A. A.
Frontiers in medicine, vol.11, pp.1285067, 2024 (SCI-Expanded)
- III. **Development of an expert system for the classification of myalgic encephalomyelitis/chronic fatigue syndrome.**
Yagin F. H., Shateri A., Nasiri H., Yagin B., Colak C., Alghannam A. F.
PeerJ. Computer science, vol.10, 2024 (SCI-Expanded)
- IV. **Assessment of Sepsis Risk at Admission to the Emergency Department: Clinical Interpretable Prediction Model.**
Aygün U., Yagin F. H., Yagin B., Yasar S., Colak C., Ozkan A. S., Ardigò L. P.
Diagnostics (Basel, Switzerland), vol.14, no.5, 2024 (SCI-Expanded)
- V. **Determination of biomarker candidates for the placenta accreta spectrum by plasma proteomic analysis.**
Melekoglu R., Yasar S., Colak C., Kasap M., Dogan U. K., Yologlu S., Yilmaz E., Shazly S.
Scientific reports, vol.14, no.1, pp.2803, 2024 (SCI-Expanded)
- VI. **A proposed tree-based explainable artificial intelligence approach for the prediction of angina**

pectoris.

Guldogan E., Yagin F. H., Pinar A., Colak C., Kadry S., Kim J.
Scientific reports, vol.13, no.1, pp.22189, 2023 (SCI-Expanded)

- VII. **An Explainable Artificial Intelligence Model Proposed for the Prediction of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome and the Identification of Distinctive Metabolites.**
Yagin F. H., Alkhateeb A., Raza A., Samee N. A., Mahmoud N. F., Colak C., Yagin B.
Diagnostics (Basel, Switzerland), vol.13, no.23, 2023 (SCI-Expanded)
- VIII. **Angiotensin II type 2 receptor agonist treatment of doxorubicin induced heart failure.**
Ermis N., Ulutas Z., Ozhan O., Yildiz A., Vardi N., Colak C., Parlakpinar H.
Biotechnic & histochemistry : official publication of the Biological Stain Commission, vol.98, no.5, pp.326-335, 2023 (SCI-Expanded)
- IX. **Cancer Metastasis Prediction and Genomic Biomarker Identification through Machine Learning and eXplainable Artificial Intelligence in Breast Cancer Research.**
Yagin B., Yagin F. H., Colak C., Inceoglu F., Kadry S., Kim J.
Diagnostics (Basel, Switzerland), vol.13, no.21, 2023 (SCI-Expanded)
- X. **Predicting Duodenal Cancer Risk in Patients with Familial Adenomatous Polyposis Using Machine Learning Model.**
Akbulut S., Kucukakcali Z., Colak C.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.34, no.10, pp.1025-1034, 2023 (SCI-Expanded)
- XI. **Nephrotoxicity Development of a Clinical Decision Support System Based on Tree-Based Machine Learning Methods to Detect Diagnostic Biomarkers from Genomic Data in Methotrexate-Induced Rats**
Cicek I. B., Colak C., Yologlu S., Kucukakcali Z., Ozhan O., Taslidere E., Danis N., Koc A., Parlakpinar H., Akbulut S.
APPLIED SCIENCES-BASEL, vol.1, pp.1, 2023 (SCI-Expanded)
- XII. **Effect of COVID-19 Pandemic on Patients Who Have Undergone Liver Transplantation: Retrospective Cohort Study.**
Akbulut S., Yagin F. H., Sahin T. T., Garzali I. U., Tuncer A., Akyuz M., Bagci N., Barut B., Unsal S., Sarici K. B., et al.
Journal of clinical medicine, vol.12, no.13, 2023 (SCI-Expanded)
- XIII. **Prediction of Postcoronary Artery Bypass Grafting Atrial Fibrillation: POAFRiskScore Tool.**
Arslan A. K., Erdil N., Guldogan E., Colak C., Akca B., Colak M. C.
The Thoracic and cardiovascular surgeon, vol.71, no.04, pp.282-290, 2023 (SCI-Expanded)
- XIV. **Histopathological Evaluation of Gallbladder Specimens Obtained From Living Liver Donors.**
Akbulut S., Sarici K. B., Toprak S., Tuncer A., Ciftci F., Karadag N., Gurluler E., Karabulut E., Colak C., Yilmaz S.
Transplantation proceedings, vol.55, no.5, pp.1267-1272, 2023 (SCI-Expanded)
- XV. **Value of fecal calprotectin in prediction of acute appendicitis based on a proposed model of machine learning.**
Kucukakcali Z., Akbulut S., Colak C.
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.29, no.6, pp.655-662, 2023 (SCI-Expanded)
- XVI. **Modeling Based on Ensemble Learning Methods for Detection of Diagnostic Biomarkers from LncRNA Data in Rats Treated with Cis-Platinum-Induced Hepatotoxicity.**
Kucukakcali Z., Colak C., Gozukara Bag H. G., Balikci Cicek I., Ozhan O., Yildiz A., Danis N., Koc A., Parlakpinar H., Akbulut S.
Diagnostics (Basel, Switzerland), vol.13, no.9, 2023 (SCI-Expanded)
- XVII. **A Fecal-Microbial-Extracellular-Vesicles-Based Metabolomics Machine Learning Framework and Biomarker Discovery for Predicting Colorectal Cancer Patients.**
Yagin F. H., Alkhateeb A., Colak C., Azzeh M., Yagin B., Rueda L.
Metabolites, vol.13, no.5, 2023 (SCI-Expanded)
- XVIII. **Effect of the COVID-19 Pandemic on the Psychological Health of Patients Who Underwent Liver Transplantation Due to Hepatocellular Carcinoma.**
Akbulut S., Kucukakcali Z., Saritas H., Bozkir Ç., Tamer M., Akyuz M., Bagci N., Unsal S., Akbulut M. S., Sahin T. T., et al.

Diagnostics (Basel, Switzerland), vol.13, no.8, 2023 (SCI-Expanded)

- XXIX. **Evaluation of the Turkish Population's Perspective on COVID-19 Vaccine Hesitancy and Routine Childhood Vaccine Applications: National Survey Study.**
Akbulut S., Boz G., Ozer A., Sahin T. T., Colak C.
Vaccines, vol.11, no.4, 2023 (SCI-Expanded)
- XX. **Explainable artificial intelligence model for identifying COVID-19 gene biomarkers.**
Yagin F. H., Cicek İ. B., Alkhateeb A., Yagin B., Colak C., Azzeh M., Akbulut S.
Computers in biology and medicine, vol.154, pp.106619, 2023 (SCI-Expanded)
- XXI. **Prediction of Perforated and Nonperforated Acute Appendicitis Using Machine Learning-Based Explainable Artificial Intelligence**
Akbulut S., Yağm F. H., Cicek I. B., Koc C., Çolak C., Yilmaz S.
DIAGNOSTICS, vol.13, no.6, pp.1173-1178, 2023 (SCI-Expanded)
- XXII. **Effect of ursodeoxycholic acid on liver regeneration capacity after living donor hepatectomy: a prospective, randomized, double-blind clinical trial.**
Aloun A., Akbulut S., Garzali I. U., Gonultas F., Baskiran A., Hargura A. S., Colak C., Yilmaz S.
European review for medical and pharmacological sciences, vol.27, no.3, pp.999-1006, 2023 (SCI-Expanded)
- XXIII. **Clinical presentation, management, screening and surveillance for colorectal cancer during the COVID-19 pandemic**
AKBULUT A. S., Hargura A. S., Garzali I. U., Aloun A., ÇOLAK C.
WORLD JOURNAL OF CLINICAL CASES, vol.10, no.26, pp.9228-9240, 2022 (SCI-Expanded)
- XXIV. **Evaluation of Vaccine Hesitancy and Anxiety Levels among Hospital Cleaning Staff and Caregivers during COVID-19 Pandemic**
Akbulut S., Gokce A., Boz G., Saritas H., Unsal S., Ozer A., Akbulut M. S., Colak C.
VACCINES, vol.10, no.9, 2022 (SCI-Expanded)
- XXV. **Alpha lipoic acid decreases neuronal damage on brain tissue of STZ-induced diabetic rats**
TANBEK K., Ozerol E., Yilmaz U., Yilmaz N., Gul M., Colak C.
PHYSIOLOGY & BEHAVIOR, vol.248, 2022 (SCI-Expanded)
- XXVI. **ARTIFICIAL INTELLIGENCE-ASSISTED PREDICTION OF COVID-19 STATUS BASED ON THORAX CT SCANS USING A PROPOSED META-LEARNING STRATEGY**
GÜLDOĞAN E., Yilderim I. O., Sevgi S., ÇOLAK C.
ACTA MEDICA MEDITERRANEA, vol.38, no.3, pp.1515-1521, 2022 (SCI-Expanded)
- XXVII. **PREDICTION OF COVID-19 SEVERITY IN SARS-COV-2 RNA-POSITIVE PATIENTS BY DIFFERENT ENSEMBLE LEARNING STRATEGIES**
GÖZÜKARA BAĞ H. G., Kivrak M., GÜLDOĞAN E., ÇOLAK C.
ACTA MEDICA MEDITERRANEA, vol.38, no.2, pp.1085-1091, 2022 (SCI-Expanded)
- XXVIII. **Polychlorinated biphenyls and organochlorine pesticides in breast milk samples and their correlation with dietary and reproductive factors in lactating mothers in Istanbul**
Agus S., Akkaya H., Daglioglu N., Eyuboglu S., Atasayan O., Mete F., ÇOLAK C., SANDAL S., YILMAZ B.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.3, pp.3463-3473, 2022 (SCI-Expanded)
- XXIX. **Nutritional evaluation of non-traumatic patients admitted to the hospital from Emergency Department**
Gurbuz Ş., Ekmekyapar M., Durak M. A., Oguzturk H., Turtay M. G., Yucel N., Demir T. O., Colak C.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.26, no.10, pp.3593-3598, 2022 (SCI-Expanded)
- XXX. **Can Temperament and Character Traits Be Used in the Diagnostic Differentiation of Children With ADHD?**
UCUZ İ., Cicek A. U., Cansel N., Kilic B., ÇOLAK C., Yazici I. P., Kilic F., KÜÇÜKAKÇALI Z.
JOURNAL OF NERVOUS AND MENTAL DISEASE, vol.209, no.12, pp.905-910, 2021 (SCI-Expanded)
- XXXI. **Protective effects of naringin on valproic acid-induced hepatotoxicity in rats**
Koroglu O. F., Gunata M., Vardi N., Yildiz A., Ates B., Colak C., Tanriverdi L. H., Parlakpinar H.
TISSUE & CELL, vol.72, 2021 (SCI-Expanded)

- XXXII. **An investigation into the factors predicting acute appendicitis and perforated appendicitis.**
Akbulut S., Koç C., Şahin T. T., Şahin E., Tuncer A., Demyati K., Şamdancı E., Çolak C., Yılmaz S.
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.27, no.4,
pp.434-442, 2021 (SCI-Expanded)
- XXXIII. **Prevalence and predictors of psychological response during immediate COVID-19 pandemic**
Cansel N., UCUZ İ., ARSLAN A. K., KAYHAN TETİK B., ÇOLAK C., Melez S. N. I., Sule Gumustakim R., Ceylan S., Zeren
ozturk G., Kilic Ozturk Y., et al.
INTERNATIONAL JOURNAL OF CLINICAL PRACTICE, vol.75, no.5, 2021 (SCI-Expanded)
- XXXIV. **Quality of life, emotion dysregulation, attention deficit and psychiatric comorbidity in children and
adolescents with vitiligo**
UCUZ İ., ALTUNIŞIK N., ŞENER S., TÜRKMEN D., KAVURAN N. A., MARSAK M., ÇOLAK C.
CLINICAL AND EXPERIMENTAL DERMATOLOGY, vol.46, no.3, pp.510-515, 2021 (SCI-Expanded)
- XXXV. **Artificial Intelligence-Based Prediction of Covid-19 Severity on the Results of Protein Profiling**
YAŞAR Ş., ÇOLAK C., YOLOĞLU S.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.202, 2021 (SCI-Expanded)
- XXXVI. **Comparison of patients' diagnoses in a dermatology outpatient clinic during the COVID-19 pandemic
period and pre-pandemic period**
TÜRKMEN D., ALTUNIŞIK N., MANTAR İ., DURMAZ İ., ŞENER S., ÇOLAK C.
INTERNATIONAL JOURNAL OF CLINICAL PRACTICE, vol.75, no.4, 2021 (SCI-Expanded)
- XXXVII. **Prediction of death status on the course of treatment in SARS-COV-2 patients with deep learning and
machine learning methods**
Kivrak M., GÜLDOĞAN E., ÇOLAK C.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.201, 2021 (SCI-Expanded)
- XXXVIII. **Effects of Systemic Administration of Cisplatin and Hydrogen Sulfide on Cerebrum and Cerebellum
Tissue in Rats**
POLAT S., ÖZHAN O., PARLAKPINAR H., DURAK M. A., VARDI N., YILDIZ A., TÜRKÖZ Y., BENTLİ R., ÇOLAK C., ACET H.
A.
NEUROENDOCRINOLOGY, vol.111, pp.59-60, 2021 (SCI-Expanded)
- XXXIX. **Effect of Intracerebroventricular MOTS-c Infusion on Peripheral Uncoupling Proteins in Rats**
Bahar M. R., Tekin S., Beytur A., Önalın E., Çolak C., Sandal S.
NEUROENDOCRINOLOGY, vol.111, pp.33-34, 2021 (SCI-Expanded)
- XL. **Estimation of the Factors Associated with Diabetes Mellitus by Multilayer Perceptron Artificial
Neural Network Model**
POLAT S., PARLAKPINAR H., ÇOLAK C.
NEUROENDOCRINOLOGY, vol.111, pp.59, 2021 (SCI-Expanded)
- XLI. **The Protective Effects of Compound 21 and Valsartan in Isoproterenol-Induced Myocardial Injury in
Rats**
Ulutas Z., Ermis N., Ozhan O., Parlakpinar H., Vardi N., Ates B., Colak C.
CARDIOVASCULAR TOXICOLOGY, vol.21, no.1, pp.17-28, 2021 (SCI-Expanded)
- XLII. **Knowledge and Awareness of Physicians About Rational Antibiotic Use and Antimicrobial Resistance
Before and After Graduation: A Cross-Sectional Study Conducted in Malatya Province in Turkey**
Köse A., Çolak C.
INFECTION AND DRUG RESISTANCE, vol.14, pp.2557-2568, 2021 (SCI-Expanded)
- XLIII. **A comparison of laryngeal mask airway-supreme and endotracheal tube use with respect to airway
protection in patients undergoing septoplasty: a randomized, single-blind, controlled clinical trial**
KARAASLAN E., AKBAŞ S., ÖZKAN A. S., ÇOLAK C., BEGEÇ Z.
BMC ANESTHESIOLOGY, vol.21, no.1, 2021 (SCI-Expanded)
- XLIV. **Effects of scapular stabilization exercises in patients of chronic neck pain with scapular dyskinesia:
A quasi-experimental study**
ÖZDEMİR F., Toy S., KIZILAY F., Avci Z. T., ALTAY Z., ÇOLAK C.
TURKISH JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION, vol.67, no.1, pp.77-83, 2021 (SCI-Expanded)

- XLV. **The role of physical activity on mental health and quality of life during COVID-19 outbreak: A cross-sectional study**
Ozdemir F., Cansel N., Kizilay F., Guldogan E., Ucuz İ., Sinanoglu B., Colak C., Cumurcu H.
EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE, vol.40, 2020 (SCI-Expanded)
- XLVI. **Evaluation of the effects of COVID-19 pandemic on hair diseases through a web-based questionnaire**
Turkmen D., Altunisik N., Sener S., Colak C.
DERMATOLOGIC THERAPY, vol.33, no.6, 2020 (SCI-Expanded)
- XLVII. **Role of Adenosine Deaminase in Patients with Erythematotelangiectatic Rosacea and Demodex folliculorum Positivity.**
Sener S., Karaman U., Kiran T. R., Colak C., Aslan A., Direkel S.
Iranian journal of parasitology, vol.15, no.4, pp.596-601, 2020 (SCI-Expanded)
- XLVIII. **Response to: The effect of placement of a support under the shoulders on laryngeal visualization with a C-MAC Miller Video Laryngoscope in children younger than 2 years of age**
Koylu Gencay Z., BEGEÇ Z., ÖZGÜL Ü., ÇOLAK C.
PEDIATRIC ANESTHESIA, vol.30, no.7, pp.847, 2020 (SCI-Expanded)
- XLIX. **Investigation of Turkish dentists' clinical attitudes and behaviors towards the COVID-19 pandemic: a survey study.**
Duruk G., Gümüşboğa Z., Çolak C.
Brazilian oral research, vol.34, 2020 (SCI-Expanded)
- L. **Comparison of videolaryngoscope-guided versus standard digital insertion techniques of the ProSeal (TM) laryngeal mask airway: a prospective randomized study**
ÖZGÜL Ü., AKGÜL ERDİL F., ERDOĞAN M. A., BEGEÇ Z., ÇOLAK C., YÜCEL A., DURMUŞ M.
BMC ANESTHESIOLOGY, vol.19, no.1, 2019 (SCI-Expanded)
- LI. **Acute and Subacute Effects of Low Versus High Doses of Standardized Panax ginseng Extract on the Heart: An Experimental Study**
PARLAKPINAR H., ÖZHAN O., ERMİŞ N., VARDI N., ÇİĞREMİŞ Y., TANRIVERDİ L. H., ÇOLAK C., ACET A.
CARDIOVASCULAR TOXICOLOGY, vol.19, no.4, pp.306-320, 2019 (SCI-Expanded)
- LII. **The effect of placement of a support under the shoulders on laryngeal visualization with a C-MAC Miller Video Laryngoscope in children younger than 2 years of age**
Gencay Z. K., BEGEÇ Z., ÖZGÜL Ü., ÇOLAK C.
PEDIATRIC ANESTHESIA, vol.29, no.8, pp.814-820, 2019 (SCI-Expanded)
- LIII. **The risk factors of portal vein thrombosis in patients with liver cirrhosis**
Cagin Y. F., BİLGİÇ Y., Berber İ., YILDIRIM O., ERDOĞAN M. A., Firat F., ARSLAN A. K., ÇOLAK C., SEÇKİN Y., Harputluoglu M. M. M.
EXPERIMENTAL AND THERAPEUTIC MEDICINE, vol.17, no.4, pp.3189-3194, 2019 (SCI-Expanded)
- LIV. **Comparison of hemodynamic responses and QTc intervals to tracheal intubation with the McGRATH MAC videolaryngoscope and the Macintosh direct laryngoscope in elderly patients**
Colak F., ÖZGÜL Ü., Erdogan M. A., KAYHAN G. E., AKGÜL ERDİL F., ÇOLAK C., DURMUŞ M.
KAOHSIUNG JOURNAL OF MEDICAL SCIENCES, vol.35, no.2, pp.116-122, 2019 (SCI-Expanded)
- LV. **Effect of Intracerebroventricular Administration of Apelin-13 on the Hypothalamus-Pituitary-Thyroid Axis and Peripheral Uncoupling Proteins**
ERDEN Y., TEKİN S., TEKİN Ç., Ozyalin F., YILMAZ Ü., ÖNALAN E., ÇİĞREMİŞ Y., ÇOLAK C., SANDAL S.
INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS, vol.24, no.4, pp.511-517, 2018 (SCI-Expanded)
- LVI. **Effects of Peripheral Irisin Infusion on the Glucose Uptake in High-Fat-Diet-Induced Obese Rats**
Sandal S., Tekin S., Erden Y., Caglayan A. B., Ozyalin F., Çiğremiş Y., Çolak C.
ACTA PHYSIOLOGICA, vol.225, pp.64, 2018 (SCI-Expanded)
- LVII. **Changes in Melatonin, Cortisol, and Body Temperature, and the Relationship Between Endogenous Melatonin Levels and Analgesia Consumption in Patients Undergoing Bariatric Surgery**
Altunkaya N., ERDOĞAN M. A., ÖZGÜL Ü., ŞANLI M., UÇAR M., ÖZHAN O., SÜMER F., ERDOĞAN S., ÇOLAK C., DURMUŞ M.

- OBESITY SURGERY, vol.28, no.10, pp.3186-3192, 2018 (SCI-Expanded)
- LVIII. **Pathogens of Intensive Care Unit-Acquired Infections and Their Antimicrobial Resistance: A 9-Year Analysis of Data from a University Hospital**
YETKİN F., YAKUPOĞULLARI Y., KUZUCU Ç., ERSOY Y., OTLU B., Colak C., PARMAKSIZ N.
JUNDISHAPUR JOURNAL OF MICROBIOLOGY, vol.11, no.10, 2018 (SCI-Expanded)
- LIX. **Is There Any Difference in Risk Factors between Male and Female Patients in New-Onset Atrial Fibrillation after Coronary Artery Bypass Grafting?**
AKÇA B., ERDİL N., ÇOLAK M. C., DİŞLİ O. M., BATTALOĞLU B., ÇOLAK C.
THORACIC AND CARDIOVASCULAR SURGEON, vol.66, no.6, pp.483-490, 2018 (SCI-Expanded)
- LX. **COMPARISON OF PULMONARY FUNCTION TESTING AMONG NON-SMOKERS, HAND-ROLLED CIGARETTE SMOKERS AND FACTORY MADE CIGARETTE SMOKERS**
Turgut K., TURTAY M. G., Kilic T., OĞUZTÜRK H., Gulacti U., GUR A., GUVEN T., ÇOLAK C.
SOUTHEAST ASIAN JOURNAL OF TROPICAL MEDICINE AND PUBLIC HEALTH, vol.49, no.3, pp.469-477, 2018 (SCI-Expanded)
- LXI. **Central irisin administration suppresses thyroid hormone production but increases energy consumption in rats**
Tekin S., Erden Y., Ozyalın F., Onalan E. E., Çiğremiş Y., Çolak C., Tekedereli İ., Sandal S.
NEUROSCIENCE LETTERS, vol.674, pp.136-141, 2018 (SCI-Expanded)
- LXII. **Assessment of clinical and pathological features of patients who underwent thyroid surgery: A retrospective clinical study**
Emre A., Akbulut S., Sertkaya M., Bitiren M., Kale İ. T., Bulbuloglu E., Çolak C.
WORLD JOURNAL OF CLINICAL CASES, vol.6, no.3, pp.20-26, 2018 (SCI-Expanded)
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Other, Avrupa Standartlar Komitesi, Cen

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