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Education Information

Expertise In Medicine, Marmara University, School of Medicine, Turkey 1990 - 1994

Undergraduate, Hacettepe University, Tıp Fakültesi (İngilizce), Turkey 1983 - 1989

Research Areas

Health Sciences

Academic Titles / Tasks

Professor, Marmara University, School of Medicine, Basic Medical Sciences, 2003 - Continues

Associate Professor, Marmara University, School of Medicine, Basic Medical Sciences, 1998 - 2003

Academic and Administrative Experience

Head of Department, Marmara University, School of Medicine, Basic Medical Sciences, 2021 - Continues

Supervised Theses

HAKLAR G., Santrifügasyon, dondurma çözdürme ve tekrar santrifügasyon işlemlerinin özellikli koagülasyon parametrelerine etkisi ve bu etkilerin prokoagülan fosfolipidlerle ilişkisi, Expertise In Medicine, P.VATANSEVER(Student), 2017

HAKLAR G., Kistik fibrozis hastalarında terde klor miktarı tayin yöntemlerinin karşılaştırılması, Expertise In Medicine, T.SEYREKEL(Student), 2014

HAKLAR G., Mesane kanserli olgularda plazma D vitamini düzeyleri ve D vitamini reseptör gen polimorfizmlerinin hastalık varlığına etkileri ve risk öngörme değerleri, Expertise In Medicine, Ö.BAYKAN(Student), 2013

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HAKLAR G., Kistik fibroz hastalığı etiopatogenezinde enflamatuvar ve oksidatif parametrelerin plazma yağ asidi profilleri ile etkileşimi, Expertise In Medicine, G.SOLMAZ(Student), 2009

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HAKLAR G., Kistik Fibroz hastalığı Etiopatogenezinde Enflamatuvar ve Oksidatif parametrelerin plazma yağ asidi

profilleri ile etkileşimi, Expertise In Medicine, G.Solmaz(Student), 2009
HAKLAR G., 3-Nitropropiyonik asit ile oluşturulan deneysel Huntington hastalığı modelinde Alfa lipoik asit'in hasar oluşturucu mekanizmalar üzerinde tedavi edici etkinliği, Postgraduate, Ş.ŞAYİR(Student), 2008
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HAKLAR G., İnsülin direnci tanısı almış hipertansif hastalarda pretrombotik kapasite ve fibrinolitik aktivitenin değerlendirilmesi, Expertise In Medicine, F.YAĞMUR(Student), 2007
HAKLAR G., Akut iskemik serebrovasküler hastalıklarında S-100 proteini ve nöron spesifik enolazın tanısıl yeterliliklerinin karşılaştırılması., Expertise In Medicine, H.Cacina(Student), 2002
HAKLAR G., Sürekli ayaktan periton diyalizi hastalarında peritonit erken tanısı için diyalizat sitokin düzeyleri ile kemilüminesans ölçümlerinin yeterliliklerinin karşılaştırılması, Expertise In Medicine, Y.OYMAK(Student), 2002
HAKLAR G., Akut iskemik serebrovasküler hastalıklarda S-100 proteini ve nöron spesifik enolazın tanısıl yeterliliklerinin karşılaştırılması, Expertise In Medicine, H.CACINA(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Diagnostic Value of Neutrophil and Monocyte Cell Population Data Obtained From a Hematology Analyzer in Neonatal Sepsis**
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- II. **Development of external genitalia during mini-puberty: is it related to somatic growth or reproductive hormones?**
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European Journal of Pediatrics, vol.183, no.3, pp.1325-1332, 2024 (SCI-Expanded)
- III. **SIX SIGMA EVALUATION OF 17 BIOCHEMISTRY PARAMETERS USING BIAS CALCULATED FROM INTERNAL QUALITY CONTROL AND EXTERNAL QUALITY ASSURANCE DATA PROCENA 17 BIOHEMIJSKIH PARAMETARA METODOM SIX SIGMA NA OSNOVU KORIŠĆENJA I PODATAKA UNUTRAŠNJE I SPOLJAŠNJE KONTROLE KVALITETA**
Çevlik T., HAKLAR G.
Journal of Medical Biochemistry, vol.43, no.1, pp.43-49, 2024 (SCI-Expanded)
- IV. **Angiotensin-Converting Enzyme (ACE) level, but not ACE gene polymorphism, is associated with prognosis of COVID-19 infection: Implications for diabetes and hypertension.**
Elbasan O., Bayram F., Yazan C. D., Apaydın T., Dashdamirova S., Polat H., Arslan E., Yılmaz İ., Karimi N., Şengel B., et al.
PloS one, vol.18, no.7, 2023 (SCI-Expanded)
- V. **Serum and vitreous vascular endothelial growth factor levels in diabetic retinopathy**
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INTERNATIONAL OPHTHALMOLOGY, vol.43, no.7, pp.2247-2255, 2023 (SCI-Expanded)
- VI. **Immunogenicity, efficacy, and safety of CoronaVac and Pfizer/BioNTech mRNA vaccines in patients with psoriasis receiving systemic therapies: A prospective cohort study.**
Ergun T., Hosgoren Tekin S., Apta Sengun O., Akin Cakici O., Seckin D., Adıyap C., Enul H., Yılmaz S., Ay P., Haklar G., et al.
Vaccine, vol.41, no.29, pp.4287-4294, 2023 (SCI-Expanded)
- VII. **Evaluation of the Diagnostic Value of Cell Population Data in Sepsis in Comparison to Localized Infection, Chronic Inflammation, and Noninfectious Inflammation Cases.**
Çevlik T., Kaya Ö., Gül F., Turkal R., İnanç N., Direskeneli H., İlki A., Şirikçi Ö., Haklar G., Cinel İ.
Journal of intensive care medicine, vol.38, no.4, pp.382-390, 2023 (SCI-Expanded)
- VIII. **DIAGNOSTIC PERFORMANCE OF LACTATE DEHYDROGENASE (LDH) ISOENZYMES LEVELS FOR THE SEVERITY OF COVID-19**

Ergenc I., Capar E., Erturk S. B., Bahramzade G., Atalah F., Kocakaya D., Karakurt S., Haklar G., Odabasi Z.
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- IX. **Phoenixin 14 ameliorates pancreatic injury in streptozotocin-induced diabetic rats by alleviating oxidative burden**
ÖZDEMİR KUMRAL Z. N., Sen E., Yapici H. B., Atakul N., Domruk O. F., Aldag Y., Sen L. S., Mustafaoglu F. K., YÜKSEL M., AKAKIN D., et al.
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.74, no.11, pp.1651-1659, 2022 (SCI-Expanded)
- X. **THE RELATIONSHIP BETWEEN INSULIN RESISTANCE AND SERUM ADIPOKINE LEVELS IN CHILDREN WITH CHRONIC RENAL DISEASE RECEIVING PERITONEAL DIALYSIS**
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- XI. **A case of falsely elevated D-dimer result**
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- XII. **The association of free testosterone levels with coronavirus disease 2019**
APAYDIN T., Dashdamirova S., DİNÇER YAZAN C., ELBASAN O., ILGIN C., Bilgin H., ÇAM H. K., Bahramzada G., Kucuk A., HAKLAR G., et al.
ANDROLOGY, vol.10, no.6, pp.1038-1046, 2022 (SCI-Expanded)
- XIII. **Adrenal steroids reference ranges in infancy determined by LC-MS/MS**
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- XIV. **Does concomitant prolactin measurement increase the accuracy of inferior petrosal sinus sampling?**
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- XV. **Effects of vitamin D receptor gene polymorphisms on the prognosis of COVID-19.**
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- XVI. **The effect of immunization with inactivated SARS-CoV-2 vaccine (CoronaVac) and/or SARS-CoV-2 infection on antibody levels, plasmablasts, long-lived-plasma-cells, and IFN-gamma release by natural killer cells**
Bilgin H., Marku M., Yilmaz S. S., Karahasan Yagci A., Sili U., Can B., Can Sarinoglu R., Mulazimoglu Durmusoglu L., Haklar G., Sirikci O., et al.
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- XVII. **Accurate interpretation of thyroid dysfunction during pregnancy: should we continue to use published guidelines instead of population-based gestation-specific reference intervals for the thyroid-stimulating hormone (TSH)?**
Turkal R., TURAN C. A., ELBASAN O., Aytan S., Cakmak B., Gozaydinoglu B., Takir D. C., ÜNLÜ O., Bahramzada G., Tekin A. F., et al.
BMC PREGNANCY AND CHILDBIRTH, vol.22, no.1, 2022 (SCI-Expanded)
- XVIII. **Serum osteoprotegerin levels, endothelial function and carotid intima-media thickness in type 2 diabetic patients**
Gunes M., Temizkan S., Apaydin T., Ilgin C., Haklar G., Gogas Yavuz D.
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- XIX. **Clinical and Hormonal Profiles Correlate With Molecular Characteristics in Patients With 11 beta-Hydroxylase Deficiency**
Yildiz M., Isik E., Abali Z. Y., Keskin M., Ozbek M. N., Bas F., Ucakurk S. A., Buyukinan M., Onal H., Kara C., et al.
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, vol.106, no.9, 2021 (SCI-Expanded)
- XX. **The Association of Thyroid Hormone Changes with Inflammatory Status and Prognosis in COVID-19**
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- XXI. **Reference values for T and B lymphocyte subpopulations in Turkish children and adults**
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- XXII. **Myeloperoxidase and calprotectin; Any role as non-invasive markers for the prediction of inflammation and fibrosis in non-alcoholic steatohepatitis?**
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- XXIII. **Clinical Significance of Hypophosphatasemia in Children**
Bayramli R., Cevlik T., Güran T., Atay Z., Bas S., Haklar G., Bereket A., Demircioğlu S.
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- XXIV. **Revisiting Classical 3 beta-hydroxysteroid Dehydrogenase 2 Deficiency: Lessons from 31 Pediatric Cases**
Güran T., Kara C., Yildiz M., Bitkin E. C., Haklar G., Lin J., Keskin M., Barnard L., Anik A., Çatlı G., et al.
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- XXV. **Simplifying the interpretation of steroid metabolome data by a machine-learning approach**
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- XXVI. **Evaluation of molecular characteristics and steroid metabolomics in a large cohort of children with 3 beta-hydroxysteroid dehydrogenase 2 deficiency**
Güran T., Kara C., Yildiz M., Bitkin E. C., Haklar G., Lin J., Gilligan L. C., Barnard L., Keskin M., Anik A., et al.
HORMONE RESEARCH IN PAEDIATRICS, vol.91, pp.207, 2019 (SCI-Expanded)
- XXVII. **PERFORMANCE EVALUATION OF A NEW HEMATOLOGY ANALYZER: UNICEL DXH 900 COULTER CELLULAR ANALYSIS SYSTEM**
Bahramzada G., Turkal R., Cevlik T., ŞİRİKÇİ Ö., HAKLAR G.
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- XXVIII. **ASSESSMENT OF QUALITY CONTROL SYSTEM BY SIX SIGMA METRICS: AN APPLICABLE TOOL FOR LABORATORY TESTS OF HEMOSTASIS?**
Turkal R., Cevlik T., ÜNLÜ O., ŞİRİKÇİ Ö., HAKLAR G.
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.41, pp.177, 2019 (SCI-Expanded)
- XXIX. **SIGMA METRICS AND QUALITY GOAL INDEX RATIO AS A TOOL FOR EVALUATING THE PERFORMANCE IN A HEMATOLOGY LABORATORY**
Cevlik T., Turkal R., ÜNLÜ O., ŞİRİKÇİ Ö., HAKLAR G.
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- XXX. **DIAGNOSTIC POWER OF FIBRIN MONOMER IN DISSEMINATED INTRAVASCULAR COAGULATION IN SEPSIS PATIENTS: PRELIMINARY RESULTS**
Cevlik T., Gul F., Tekin A. F., Turkal R., Eskidemir G., Cinel I., ŞİRİKÇİ Ö., HAKLAR G.
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.41, pp.37, 2019 (SCI-Expanded)
- XXXI. **The Relationship between Urothelial Type Bladder Cancer, Plasma 25-Hydroxyvitamin D Levels, and Vitamin D Receptor Apa1 Bsm1 Fok1, and Taq1 Polymorphisms**
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- XXXII. **EFFECTS OF PREANALYTICAL CONDITIONS ON FVIII ASSAY IN HEALTHY DONORS AND FVIII DEFICIENCY STATES**
Vatansever P., Turkal R., Cevlik T., Şirikçi Ö., Haklar G.
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.40, pp.150, 2018 (SCI-Expanded)
- XXXIII. **TIME-DEPENDENT CHANGE IN VOLUME, CONDUCTIVITY AND SCATTER PROPERTIES OF LEUKOCYTES IN SEPSIS PATIENTS**
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- XXXV. **EFFECT OF CENTRIFUGATION, FREEZING, THAWING AND RECENTRIFUGATION PROCESSES ON THROMBIN GENERATION ASSAY**
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- XXXVI. **Performance Evaluation of a New Coulometric Endpoint Method in Sweat Testing and Its Comparison With Classic Gibson&Cooke and Chloridometer Methods in Cystic Fibrosis**
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- XXXVII. **Acquired modification of sphingosine-1-phosphate lyase activity is not related to adrenal insufficiency**
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- XXXVIII. **Sequential Measurements of Pentraxin 3 Serum Levels in Patients with Ventilator-Associated Pneumonia: A Nested Case-Control Study**
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- XL. **VDBP, VDR mutations and other factors related with vitamin D metabolism may be associated with type 1 diabetes mellitus**
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- XLI. **The effect of different protease inhibitors on stability of parathyroid hormone, insulin, and prolactin levels under different lag times and storage conditions until analysis**
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- XLII. **DIAGNOSTIC VALUE OF VOLUME, CONDUCTIVITY AND SCATTER PARAMETERS DETERMINED BY UNICEL DXH800 COULTER CELLULAR ANALYZER IN SEPSIS IN COMPARISON TO CHRONIC INFLAMMATORY CASES**
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- XLIII. **CORRELATION OF MORPHOMETRIC LEUKOCYTE PARAMETERS WITH DECREASED HOLOTIC LEVELS IN COBALAMIN DEFICIENCY**
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- XLIV. **CAN CELL POPULATION DATA ON THE UNICEL DXH800 COULTER CELLULAR ANALYZER DIFFERENTIATE BETWEEN VIRAL AND BACTERIAL ETIOLOGY OF LOWER RESPIRATORY TRACT INFECTION: A PRELIMINARY STUDY**
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- XLV. **The diagnostic value of soluble urokinase plasminogen activator receptor (suPAR) compared to C-reactive protein (CRP) and procalcitonin (PCT) in children with systemic inflammatory response syndrome (SIRS)**
Sirinoglu M., Soysal A., Karaaslan A., KEPENEKLİ KADAYİFCİ E., Yalindag-Ozturk N., Cinel I., Yaman A., HAKLAR G.,

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- XLVI. **SIMULTANEOUS PROFILING OF 17 STEROID HORMONES USING LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY IN NEWBORN AND EARLY INFANCY**
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- XLVII. **Effect of inhaled steroids on clinical and inflammatory parameters in children with cystic fibrosis**
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- XLVIII. **17OH-PREGNENOLONE SEEMS A MAJOR DRIVE OF ANDROGEN EXCESS IN PATIENTS WITH 11 beta-HYDROXYLASE DEFICIENCY**
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- XLIX. **Adenosine deaminase activity and zinc levels in the serum of patients with diabetes mellitus**
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- L. **Vitamin D Levels in Takayasu's Arteritis and a Review of the Literature on Vasculitides**
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- LI. **Serum insulin-like growth factor-1 and insulin-like growth factor binding protein-3 levels in patients with chronic hepatitis B**
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- LII. **AUTOMATED FLOW CYTOMETRY PROVIDES A BETTER DETECTION OF ABNORMAL WHITE BLOOD CELLS COMPARED TO AUTOMATED CELL COUNTING AND MANUAL MICROSCOPY**
ŞİRİKÇİ Ö., KOÇ A., Ay Y., Kardas R., HAKLAR G.
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- LIII. **The diagnostic value of soluble urokinase plasminogen activator receptor compared with C-reactive protein and procalcitonin in children with febrile neutropenia**
Sirinoglu M., Soysal A., Karaaslan A., KEPENEKLİ KADAYİFCİ E., Cinel I., KOÇ A., Tokuc G., Yaman A., HAKLAR G., ŞİRİKÇİ Ö., et al.
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- LIV. **Vitamin B12 deficiency among asymptomatic healthy infants: its impact on the immune system.**
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- LV. **Have You Ever Seen a 21-mmol/L Serum K⁺ Concentration?**
Gerin F., Yaman A., Baykan O., ŞİRİKÇİ Ö., HAKLAR G.
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