

# Prof. GONCAGÜL HAKLAR

## Personal Information

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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

## Advising 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

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., İnsülin direnci tanısı almış hipertansif hastaların plazma yağ asiti, Expertise In Medicine, A.Telli(Student), 2009

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HAKLAR G., 3- nitropropiyonik asit ile oluşturulan deneysel huntington hastalığı modelinde alfa Lipoik Asit'in hasar oluşturucu mekanizmalar üzerinde tedavi edici etkinliği, Postgraduate, Ş.Şayir(Student), 2008

HAKLAR G., 3-Nitropropiyonik asit ile oluşturulan deneysel Huntington hastalığı modelinde Alfa lipoik asit'in hasar

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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 hastalıklarda S-100 proteini ve nöron spesifik enolazın tanısai 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 hastalıklarında S-100 proteini ve nöron spesifik enolazın tanısai yeterliliklerinin karşılaştırılması., Expertise In Medicine, H.Cacina(Student), 2002

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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.**  
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- II. **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 (Journal Indexed in SCI)
- III. **Does concomitant prolactin measurement increase the accuracy of inferior petrosal sinus sampling?**  
Apaydin T., Yasar M., Baltacioglu F., HAKLAR G., YAVUZ D.  
NEURORADIOLOGY, 2022 (Journal Indexed in SCI)
- IV. **The association of free testosterone levels with coronavirus disease 2019**  
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ANDROLOGY, 2022 (Journal Indexed in SCI)
- V. **Effects of vitamin D receptor gene polymorphisms on the prognosis of COVID-19.**  
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- VI. **Serum osteoprotegerin levels, endothelial function and carotid intima-media thickness in type 2 diabetic patients**  
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JOURNAL OF DIABETES AND ITS COMPLICATIONS, vol.35, no.12, 2021 (Journal Indexed in SCI)
- VII. **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., Ucakturk S. A. , Buyukinan M., Onal H., Kara C., et al.  
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, vol.106, no.9, 2021 (Journal Indexed in SCI)
- VIII. **Adrenal steroids reference ranges in infancy determined by LC-MS/MS**  
Enver E. O. , Vatanserver P., Guran O., Bilgin L., Boran P., Demircioğlu S., Haklar G., Bereket A., Güran T.  
PEDIATRIC RESEARCH, 2021 (Journal Indexed in SCI)
- IX. **The Association of Thyroid Hormone Changes with Inflammatory Status and Prognosis in COVID-19**  
Dincer Yazan C., Ilgin C., Elbasan O., Apaydin T., Dashdamirova S., Yigit T., Sili U., Karahasan Yagci A., Sirikci Ö., Haklar G., et al.  
INTERNATIONAL JOURNAL OF ENDOCRINOLOGY, vol.2021, 2021 (Journal Indexed in SCI)

- X. **Myeloperoxidase and calprotectin; Any role as non-invasive markers for the prediction of inflammation and fibrosis in non-alcoholic steatohepatitis?**  
Bicakci E., DEMİRTAŞ C. Ö. , ÇELİKEL Ç., HAKLAR G., DUMAN D.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.31, no.10, pp.681-687, 2020 (Journal Indexed in SCI)
- XI. **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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- XII. **Revisiting Classical 3 beta-hydroxysteroid Dehydrogenase 2 Deficiency: Lessons from 31 Pediatric Cases**  
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- XIII. **ASSESSMENT OF QUALITY CONTROL SYSTEM BY SIX SIGMA METRICS: AN APPLICABLE TOOL FOR LABORATORY TESTS OF HEMOSTASIS?**  
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INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.41, pp.177, 2019 (Journal Indexed in SCI)
- XIV. **SIGMA METRICS AND QUALITY GOAL INDEX RATIO AS A TOOL FOR EVALUATING THE PERFORMANCE IN A HEMATOLOGY LABORATORY**  
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- XV. **DIAGNOSTIC POWER OF FIBRIN MONOMER IN DISSEMINATED INTRAVASCULAR COAGULATION IN SEPSIS PATIENTS: PRELIMINARY RESULTS**  
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- XVII. **Simplifying the interpretation of steroid metabolome data by a machine-learning approach**  
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- XVIII. **PERFORMANCE EVALUATION OF A NEW HEMATOLOGY ANALYZER: UNICEL DXH 900 COULTER CELLULAR ANALYSIS SYSTEM**  
Bahramzada G., Turkal R., Cevlik T., ŞİRİKÇİ Ö., HAKLAR G.  
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.41, pp.21, 2019 (Journal Indexed in SCI)
- XIX. **The Relationship between Urothelial Type Bladder Cancer, Plasma 25-Hydroxyvitamin D Levels, and Vitamin D Receptor Apal BsmI FokI, and TaqI Polymorphisms**  
Baykan O., Akgul M., Üren N., Yaman A., Tinay İ., Ergül E., Sazcı A., Turkeri L., Haklar G.  
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- XX. **VOLUME-CONDUCTIVITY-SCATTER PARAMETERS OF BLOOD CELLS MAY PREDICT INFECTIONS AND POSSIBLE SEPSIS DURING THERAPEUTIC HYPOTHERMIA**  
Gul F., Cevlik T., ARSLANTAŞ M. K. , Kasapoglu U. S. , ŞİRİKÇİ Ö., HAKLAR G., Cinel I.  
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- XXIV. **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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- XXVII. **The relationship between psychopathology and cognitive functions with cytokines in clinically stable patients with schizophrenia**  
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- XXVIII. **Sequential Measurements of Pentraxin 3 Serum Levels in Patients with Ventilator-Associated Pneumonia: A Nested Case-Control Study**  
Bilgin H., Haliloglu M., Yaman A., Ay P., BİLGİLİ B., ARSLANTAŞ M. K. , Ozdemir F. T. , HAKLAR G., Cinel I., Mulazimoglu L.  
CANADIAN JOURNAL OF INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY, vol.2018, 2018 (Journal Indexed in SCI)
- XXIX. **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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- XXX. **CORRELATION OF MORPHOMETRIC LEUKOCYTE PARAMETERS WITH DECREASED HOLOTC LEVELS IN COBALAMIN DEFICIENCY**  
Turkal R., Cevlik T., HAKLAR G., ŞİRİKÇİ Ö.  
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.39, pp.120, 2017 (Journal Indexed in SCI)
- XXXI. **DIAGNOSTIC VALUE OF VOLUME, CONDUCTIVITY AND SCATTER PARAMETERS DETERMINED BY UNICEL DXH800 COULTER CELLULAR ANALYZER IN SEPSIS IN COMPARISON TO CHRONIC INFLAMMATORY CASES**  
Cevlik T., Turkal R., Kaya O., Gul F., Yalcinkaya Y., Oguz U., Arslantas M. K. , Inanc N., Direskeneli H., ŞİRİKÇİ Ö., et al.  
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.39, pp.26, 2017 (Journal Indexed in SCI)
- XXXII. **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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INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.39, pp.27, 2017 (Journal Indexed in SCI)
- XXXIII. **SIMULTANEOUS PROFILING OF 17 STEROID HORMONES USING LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY IN NEWBORN AND EARLY INFANCY**  
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- XXXV. **17OH-PREGNENOLONE SEEMS A MAJOR DRIVE OF ANDROGEN EXCESS IN PATIENTS WITH 11 beta-HYDROXYLASE DEFICIENCY**  
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- XXXVI. **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)**  
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- XXXVII. **Adenosine deaminase activity and zinc levels in the serum of patients with diabetes mellitus**  
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- XXXVIII. **Vitamin D Levels in Takayasu's Arteritis and a Review of the Literature on Vasculitides**  
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- XXXIX. **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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- XL. **AUTOMATED FLOW CYTOMETRY PROVIDES A BETTER DETECTION OF ABNORMAL WHITE BLOOD CELLS COMPARED TO AUTOMATED CELL COUNTING AND MANUAL MICROSCOPY**  
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- XLI. **The diagnostic value of soluble urokinase plasminogen activator receptor compared with C-reactive protein and procalcitonin in children with febrile neutropenia**  
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- XLII. **Vitamin B12 deficiency among asymptomatic healthy infants: its impact on the immune system.**  
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- XLIII. **Have You Ever Seen a 21-mmol/L Serum K<sup>+</sup> Concentration?**  
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- XLIV. **Sucralose enhances GLP-1 release and lowers blood glucose in the presence of carbohydrate in healthy subjects but not in patients with type 2 diabetes**  
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- XLV. **Abnormal gel flotation in a patient with apperant pneumonia diagnosis: a case report**  
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Yenice Ö., ÇERMAN E., Ashour A., Firat R., HAKLAR G., ŞİRİKÇİ Ö., Akman I., Kazokoglu H.  
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- XLVII. **The impact of unilateral experimental rat varicocele model on testicular histopathology, Leydig cell counts, and intratesticular testosterone levels of both testes.**

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**XLIX. The multidisciplinary approach to biochemistry laboratory education**

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**LI. Ambulatory blood pressure monitoring and assessment of renal function by serum cystatin C, urinary microalbumin and beta 2 microglobulin in children with solitary kidneys**

Haklar G.

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**LIV. The role of leptin, soluble leptin receptor, resistin, and insulin secretory dynamics in the pathogenesis of hypothalamic obesity in children**

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**LVI. Reactive oxygen species and chemokines: Are they elevated in the esophageal mucosa of children with gastroesophageal reflux disease?**

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- XLVI. Does heat shock protein 70 play a role on pathogenesis of proliferative diabetic retinopathy**  
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- LIX. Sık Kullanılan Biyokimya Parametrelerinde Preanalitik Faktörlerin İncelenmesi Santrifüje Kadar Ve Santrifüjden Analize Kadar Geçen Süre Resantrifüj Ve Bekleme Koşullarının Analiz Sonuçlarına Etkileri**  
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