

## Prof. SERHAT ÜNAL

### Personal Information

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### International Researcher IDs

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ScopusID: 13806266400

Yoksis Researcher ID: 37041

### Education Information

Post Doctorate of Medicine, Harvard University, Faculty Of Medicine, New England Deaconess Hospital, Infectious Diseases, United States Of America 1990 - 1992

Post Doctorate of Medicine, Hacettepe University, Tıp Fakültesi, İç Hastalıkları Ad/İnfeksiyon Hastalıkları, Turkey 1989 - 1990

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, İç Hastalıkları Anabilim Dalı, Turkey 1981 - 1985  
Undergraduate, Hacettepe University, Tıp Fakültesi, Turkey 1974 - 1981

### Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

### Research Areas

Medicine, Microbiology and Clinical Microbiology, Internal Medicine Sciences, Infectious Diseases and Clinical Microbiology, Internal Diseases, Health Sciences

### Academic Titles / Tasks

Professor, Hacettepe University, Vaccine Institute, 2018 - Continues

Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 2013 - Continues

Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 1995 - 2013

Associate Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 1989 - 1995

Expert, Harvard University, Faculty Of Medicine, New England Deaconess Hospital, 1990 - 1992

Expert, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 1985 - 1989

Research Assistant, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 1981 - 1985

## **Academic and Administrative Experience**

Vice Rector, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 2022 - Continues

Hacettepe Üniversitesi, Rektörlük, 2017 - Continues

Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2013 - Continues

Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2001 - 2013

Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2006 - 2011

Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1996 - 2000

## **Courses**

**COMMON INFECTIONS İN THE COMMUNİTY- 1 (PNEUMONİA)**, Undergraduate, 2017 - 2018, 2016 - 2017

## **Published journal articles indexed by SCI, SSCI, and AHCI**

### **I. Compliance with guideline recommendations in the management of patients with hospitalized community-acquired pneumonia**

BAKIR EKİNCİ P., KARA E., TELLİ DİZMAN G., Metin S., İNKAYA A. Ç., Demirkan K., ÇÖPLÜ L., ÜNAL S.

Journal of Investigative Medicine, vol.72, no.4, pp.349-358, 2024 (SCI-Expanded)

### **II. Invasive fungal rhinosinusitis by Fusarium proliferatum/annulatum in a patient with acute myeloid leukemia: A case report and review of the literature**

Caliskan Z. C., Karahan G., Koray N., GÖKÇİNAR Y., GÜLMEZ KIVANÇ D., ARIKAN AKDAĞLI S., ÜNAL S., UZUN Ö.

Journal of Medical Mycology, vol.34, no.1, 2024 (SCI-Expanded)

### **III. Human memory T cell dynamics after aluminum-adjuvanted inactivated whole-virion SARS-CoV-2 vaccination**

Tavukcuoglu E., Yanik H., Parveen M., Uluturk S., DURUSU TANRİÖVER M., İNKAYA A. Ç., AKOVA M., ÜNAL S., ESENDAĞLI G.

Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)

### **IV. Diagnostic stewardship in infectious diseases: a continuum of antimicrobial stewardship in the fight against antimicrobial resistance**

Zakhour J., Haddad S. F., Kerbage A., Wertheim H., Tattevin P., Voss A., ÜNAL S., Ouedraogo A. S., Kanj S. S.

International Journal of Antimicrobial Agents, vol.62, no.1, 2023 (SCI-Expanded)

### **V. Investigation of the Frequency of Neisseria gonorrhoeae, Chlamydia trachomatis, Trichomonas vaginalis and Mycoplasma genitalium in Men Living with HIV in Terms of Sociodemographic Characteristics and Behavioral Risk Factors HIV ile Yaşayan Erkeklerde Neisseria gonorrhoeae, Chlamydia trachomatis, Trichomonas vaginalis ve Mycoplasma genitalium Sıklığının Sosyodemografik Özellikler ve Davranışsal Risk Faktörleri ile Birlikte Araştırılması**

AYAZ CEYLAN Ç. M., Karakaplan N. D., İNKAYA A. Ç., ÇAKIR B., ÜNAL S., Zarakolu P.

Mikrobiyoloji bulteni, vol.57, no.3, pp.378-389, 2023 (SCI-Expanded)

### **VI. Modeling the future of HIV in Turkey: Costeffectiveness analysis of improving testing and diagnosis**

Yaylalı E., Erdoğan Z. M., Çalışır F., Gokengin D., KORTEN V., Tabak F., TAŞOVA Y., ÜNAL S., Ozelgun B., Ozcagli T. G., et al.

PLoS ONE, vol.18, no.6 June, 2023 (SCI-Expanded)

### **VII. Impact of pharmacist-led educational intervention on pneumococcal vaccination rates in cancer patients: a randomized controlled study**

ÖZDEMİR N., AKTAŞ B. E., Gulmez A., İNKAYA A. Ç., Bayraktar-Ekincioglu A., Kilickap S., ÜNAL S.

Supportive Care in Cancer, vol.31, no.3, 2023 (SCI-Expanded)

### **VIII. Immunogenicity of two doses of inactive COVID-19 vaccine and third booster dose mRNA vaccine in patients with cancer receiving active systemic therapy**

- GÜVEN D. C., Incesu F. G. G., YILDIRIM H. Ç., Erul E., Chalabihev E., AKTAŞ B. Y., YÜCE D., ARIK Z., KILIÇKAP S., AKSOY S., et al.
- INTERNATIONAL JOURNAL OF CANCER, vol.152, pp.679-685, 2023 (SCI-Expanded)
- IX. **Detection of Non-Alcoholic Fatty Liver Disease with Non-invasive Tools in Turkish People Living with HIV and with Apparently Normal Liver Function**
- Başaran N. Ç., İdilman İ., Tokuçoglu H. A., ONUR M. R., SÖNMEZER M. Ç., ÖZİŞIK L., KARÇAALTINCABA M., İNKAYA A. Ç., ÜNAL S.
- Current HIV research, vol.21, no.3, pp.192-201, 2023 (SCI-Expanded)
- X. **A retrospective study: Can dual ART mitigate the risk of potential drug-drug interactions among PLWH under stable ART?**
- İNKAYA A. Ç., BALLI F. N., KARA E., Demirkan K., ÜNAL S.
- Turkish Journal of Medical Sciences, vol.53, no.5, pp.1505-1511, 2023 (SCI-Expanded)
- XI. **Prevalence of Common Human Coronaviruses (NL63, 229E, and OC43) in Adults before the COVID-19 Pandemic: a Single-Center Study from Turkey, 2015–2020**
- Sonmezer M. C., Sahin T. K., Erul E., Dizman G., Inkaya A. C., Alp A., Alp S., Unal S.
- Japanese Journal of Infectious Diseases, vol.76, no.1, pp.27-33, 2023 (SCI-Expanded)
- XII. **Knowledge and Attitudes of Turkish Physicians towards Human Monkeypox Disease and Related Vaccination: A Cross-Sectional Study**
- ŞAHİN T. K., ERUL E., AKSUN M. S., SÖNMEZER M. Ç., ÜNAL S., AKOVA M.
- Vaccines, vol.11, no.1, 2023 (SCI-Expanded)
- XIII. **Lesson learned from the pandemic: Isolation and hygiene measures for COVID-19 could reduce the nosocomial infection rates in oncology wards**
- GÜVEN D. C., EROĞLU İ., Ismayilov R., ULUSOYDAN E., AKTEPE O. H., TELLİ DİZMAN G., ARIK Z., DİZDAR Ö., ÜNAL S., METAN G., et al.
- JOURNAL OF ONCOLOGY PHARMACY PRACTICE, vol.28, no.8, pp.1807-1811, 2022 (SCI-Expanded)
- XIV. **Frailty and sarcopenia among Turkish people aged 40 and above living with HIV**
- Houssein M., İNKAYA A. Ç., BALCI C., EŞME M., SÖNMEZER M. Ç., ÜNAL S., HALİL M. G.
- HIV MEDICINE, vol.23, no.10, pp.1061-1068, 2022 (SCI-Expanded)
- XV. **Efficacy, Immunogenicity, and Safety of the Two-Dose Schedules of TURKOVAC versus CoronaVac in Healthy Subjects: A Randomized, Observer-Blinded, Non-Inferiority Phase III Trial**
- DURUSU TANRİÖVER M., Aydin O. A., Guner R., YILDIZ O., Celik I., Doganay H. L., Kose S., AKHAN S., AKALIN E. H., SEZER Z., et al.
- VACCINES, vol.10, no.11, 2022 (SCI-Expanded)
- XVI. **Does information by pharmacists convince the public to get vaccinated for pneumococcal disease and herpes zoster?**
- Bayraktar-Ekincioglu A., KARA E., Bahap M., CANKURTARAN M., Demirkan K., ÜNAL S.
- IRISH JOURNAL OF MEDICAL SCIENCE, vol.191, no.5, pp.2193-2200, 2022 (SCI-Expanded)
- XVII. **Country data on AMR in Türkiye in the context of community-acquired respiratory tract infections: links between antibiotic susceptibility, local and international antibiotic prescribing guidelines, access to medicine and clinical outcome**
- Torukuney D., Aktas Z., ÜNAL S., van Hasselt J., Seyhun Y., Keles N.
- The Journal of antimicrobial chemotherapy, vol.77, no.1, 2022 (SCI-Expanded)
- XVIII. **Relative Vaccine Effectiveness of the Third Dose of CoronaVac or BNT162b2 Following a Two-Dose CoronaVac Regimen: A Prospective Observational Cohort Study from an Adult Vaccine Center in Turkey**
- SÖNMEZER M. Ç., TELLİ DİZMAN G., Erul E., ŞAHİN T. K., SARİCAOĞLU T., Alp A., DURUSU TANRİÖVER M., UZUN Ö., ÜNAL S., AKOVA M.
- VACCINES, vol.10, no.7, 2022 (SCI-Expanded)
- XIX. **Is there still a room for improvement in antimicrobial use in a setting where use of broad-spectrum antibiotics require approval of an infectious diseases physician?**
- Metan G., UZUN Ö., Dizman G., SÖNMEZER M. Ç., İNKAYA A. Ç., HAZIROLAN G., AKOVA M., Unal S.

- Infection control and hospital epidemiology, vol.43, no.6, pp.802-804, 2022 (SCI-Expanded)
- XX. **In-vitro activity of fosfomycin against Escherichia coli and Klebsiella pneumoniae bloodstream isolates and frequency of OXA-48, NDM, KPC, VIM, IMP types of carbapenemases in the carbapenem-resistant groups**  
Zarakolu P., Eser Ö., Otlu B., Gürpinar Ö., Özakin C., Akalin E. H., Koksal I., Ünal S.  
JOURNAL OF CHEMOTHERAPY, vol.34, no.4, pp.235-240, 2022 (SCI-Expanded)
- XXI. **Antibody response with SARS-CoV-2 inactivated vaccine (CoronaVac) in Turkish geriatric population**  
Bas A. O., HAFIZOĞLU M., Akbiyik F., GÜNER OYTUN M., Sahiner Z., CEYLAN S., ÜNSAL P., DOĞU B. B., CANKURTARAN M., ÇAKIR B., et al.  
AGE AND AGEING, vol.51, no.5, 2022 (SCI-Expanded)
- XXII. **Tocilizumab treatment in severe COVID-19: a multicenter retrospective study with matched controls**  
Mert A., VAHABOĞLU H., ARSLAN F., Batirel A., Saracoglu K. T., Bastug A., Cagatay A., IRMAK İ., TELLİ DİZMAN G., Ertenli I., et al.  
RHEUMATOLOGY INTERNATIONAL, vol.42, no.3, pp.457-467, 2022 (SCI-Expanded)
- XXIII. **A COVID-19 first evaluation clinic at a university hospital in Turkey.**  
Telli Dizman G., Metan G., Ayaz Ceylan Ç. M., Altunay H., Uzun M., Gürsoy G., Taş Z., Karahan G., Ahmadova F., Saricaoglu T., et al.  
Turkish journal of medical sciences, vol.52, no.1, pp.1-10, 2022 (SCI-Expanded)
- XXIV. **Knowledge, Attitudes, and Perception towards COVID-19 Vaccination among the Adult Population: A Cross-Sectional Study in Turkey**  
SÖNMEZER M. Ç., ŞAHİN T. K., Erul E., Ceylan F. S., Hamurcu M. Y., Morova N., Rudvan Al I., ÜNAL S.  
VACCINES, vol.10, no.2, 2022 (SCI-Expanded)
- XXV. **Seroprevalence of SARS-CoV-2 Antibodies and Associated Factors in Healthcare Workers before the Era of Vaccination at a Tertiary Care Hospital in Turkey**  
SÖNMEZER M. Ç., Erul E., ŞAHİN T. K., Rudvan Al I., Cosgun Y., Korukluoglu G., Zengin H., Telli Dizman G., İNKAYA A. Ç., ÜNAL S.  
VACCINES, vol.10, no.2, 2022 (SCI-Expanded)
- XXVI. **Do antimicrobial stewardship programs improve the quality of care in ICU patients diagnosed with infectious diseases following consultation? Experience in a tertiary care hospital**  
GÜRSOY G., UZUN Ö., METAN G., YILDIRIM M., BAHAP M., DEMİRKAN S. K., TOPELI A., AKINCI S. B., TOPÇUOĞLU M. A., BERKER M., et al.  
International Journal of Infectious Diseases, vol.115, pp.201-207, 2022 (SCI-Expanded)
- XXVII. **Pertussis prevalence among adult patients with acute cough**  
İLBAY A., DURUSU TANRIÖVER M., ZARAKOL I. P., ÇALIŞKAN GÜZELCE E., BÖLEK H., ÜNAL S.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.52, no.3, pp.580-586, 2022 (SCI-Expanded)
- XXVIII. **Remdesivir treatment for patients with moderate to severe COVID-19**  
Hasanoğlu I., Güner R., Çelik I., Kanat F., Batirel A., Dizman G. T., Eren E., Sevgi D. Y., Bozkurt I., Yaşar K. K., et al.  
Turkish Journal of Medical Sciences, vol.52, no.4, pp.880-887, 2022 (SCI-Expanded)
- XXIX. **Integrase inhibitor-based regimens are related to favorable systemic inflammatory index and platecrit scores in people living with HIV (PLWH) up to 2 years**  
Sahin E. A., Mavi D., KARA E., SÖNMEZER M. Ç., İNKAYA A. Ç., ÜNAL S.  
POSTGRADUATE MEDICINE, vol.134, no.6, pp.635-640, 2022 (SCI-Expanded)
- XXX. **The effect of gestational age at the time of diagnosis on adverse pregnancy outcomes in women with COVID-19**  
Aydin G. A., Unal S., Ozsoy H. G. T.  
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.47, no.12, pp.4232-4240, 2021 (SCI-Expanded)
- XXXI. **CoronaVac efficacy data from Turkey – Authors' reply**  
DURUSU TANRIÖVER M., Doğanay H. L., ÜNAL S., AKOVA M.  
The Lancet, vol.398, no.10314, pp.1874, 2021 (SCI-Expanded)
- XXXII. **Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine through 6 Months**  
Thomas S. J., Moreira E. D., Kitchin N., Absalon J., Gurtman A., Lockhart S., Perez J. L., Marc G. P., Polack F. P., Zerbini

- C., et al.  
NEW ENGLAND JOURNAL OF MEDICINE, vol.385, no.19, pp.1761-1773, 2021 (SCI-Expanded)
- XXXIII. **Untitled reply**  
Tanriover M. D., Doganay H. L., ÜNAL S., AKOVA M.  
LANCET, vol.398, no.10314, pp.1874, 2021 (SCI-Expanded)
- XXXIV. **Implementation of Pharmacist-Driven Antifungal Stewardship Program in a Tertiary Care Hospital**  
KARA E., METAN G., Bayraktar-Ekincioglu A., GÜLMEZ KIVANÇ D., ARIKAN AKDAĞLI S., DEMİRKAZIK F., AKOVA M., ÜNAL S., UZUN Ö.  
ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol.65, no.9, 2021 (SCI-Expanded)
- XXXV. **Evaluation of more than one billion outpatient prescriptions and eight-year trend showing a remarkable reduction in antibiotic prescription in Turkey: A success model of governmental interventions at national level**  
Aksoy M., Islı F., Kadi E., Varimli D., Gursoz H., Tolunay T., KARA A., ÜNAL S., Alp Mese E.  
PHARMACOEPIDEMOLOGY AND DRUG SAFETY, vol.30, no.9, pp.1242-1249, 2021 (SCI-Expanded)
- XXXVI. **A rare case of necrotizing fasciitis of the abdominal wall due to Hungatella effluvii and Streptococcus constellatus**  
DEMİR ÇUHA M., ER A. G., DURUKAN B. M., Karagoz A., HAZIROLAN G., ÜNAL S.  
ANAEROBE, vol.70, 2021 (SCI-Expanded)
- XXXVII. **Efficacy and safety of an inactivated whole-virion SARS-CoV-2 vaccine (CoronaVac): interim results of a double-blind, randomised, placebo-controlled, phase 3 trial in Turkey**  
DURUSU TANRİÖVER M., Doganay H. L., AKOVA M., Guner H. R., Azap A., AKHAN S., Kose S., Erdinc F. S., AKALIN E. H., TABAK Ö. F., et al.  
LANCET, vol.398, no.10296, pp.213-222, 2021 (SCI-Expanded)
- XXXVIII. **Functional responsiveness of memory T cells from COVID-19 patients**  
Tavukcuoglu E., Horzum U., İNKAYA A. Ç., ÜNAL S., ESEENDAĞLI G.  
CELLULAR IMMUNOLOGY, vol.365, 2021 (SCI-Expanded)
- XXXIX. **A randomized, double-blind, placebo-controlled phase III clinical trial to evaluate the efficacy and safety of SARS-CoV-2 vaccine (inactivated, Vero cell): a structured summary of a study protocol for a randomised controlled trial**  
AKOVA M., ÜNAL S.  
TRIALS, vol.22, no.1, 2021 (SCI-Expanded)
- XL. **COVID-19 Vaccination Scenarios: A Cost-Effectiveness Analysis for Turkey**  
Hagens A., İnkaya A. Ç., Yıldırak K., Sancar M., van der Schans J., Acar Sancar A., Ünal S., Postma M., Yeğenoğlu S.  
VACCINES, vol.9, no.4, 2021 (SCI-Expanded)
- XLI. **Pharmacist intervention to improve patients' knowledge and attitude towards hepatitis B infection**  
Bahap M., Kara E., Sonmezer M. C., Inkaya A. Ç., Aydin-Hakli D., Unal S., Demirkhan K.  
INTERNATIONAL JOURNAL OF CLINICAL PRACTICE, vol.75, no.4, 2021 (SCI-Expanded)
- XLII. **Projecting the course of COVID-19 in Turkey: A probabilistic modeling approach**  
ACAR A. C., ER A. G., BURDUROĞLU H. C., Sulku S. N., AYDIN SON Y., AKIN L., ÜNAL S.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.1, pp.16-27, 2021 (SCI-Expanded)
- XLIII. **RNA-Based COVID-19 vaccine candidates with clinical phase trials in progress**  
Rudvan L. I. A. L., SÖNMEZER M. Ç., ÜNAL S.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, pp.3246-3252, 2021 (SCI-Expanded)
- XLIV. **Outcome of noncritical COVID-19 patients with early hospitalization and early antiviral treatment outside the ICU**  
Çalik B., Uyaroglu O., Telli D., Özışık L., Şahin T., Taş Z., İnkaya A., Karahan S., Özyavuz A., Alp A., et al.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.2, pp.411-420, 2021 (SCI-Expanded)
- XLV. **Pretreatment serum uric acid level is not a surrogate marker for the outcome of favipiravir treatment in COVID-19 patients**  
İNKAYA A. Ç., KARA E., ÇALIK BAŞARAN N., ŞAHİN T. K., UYAROĞLU O. A., UZUN Ö., ÜNAL S.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.5, pp.2786-2788, 2021 (SCI-Expanded)

- XLVI. Thirty-day readmission rate of COVID-19 patients discharged from a tertiary care university hospital in Turkey: an observational, single-center study**  
 Uyaroglu O. A., Başaran N. Ç., Özışık L., Dızman G., Eroğlu İ., Şahin T. K., Taş Z., İnkaya A. Ç., Tanrıöver M., Metan G., et al.  
 INTERNATIONAL JOURNAL FOR QUALITY IN HEALTH CARE, vol.33, no.1, 2021 (SCI-Expanded)
- XLVII. Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine**  
 Polack F. P., Thomas S. J., Kitchin N., Absalon J., Gurtman A., Lockhart S., Perez J. L., Perez Marc G., Moreira E. D., Zerbini C., et al.  
 NEW ENGLAND JOURNAL OF MEDICINE, vol.383, no.27, pp.2603-2615, 2020 (SCI-Expanded)
- XLVIII. Recommendations for use of a hydroxychloroquine loading dose in patients with COVID-19.**  
 Kara E., Demirkan K., Unal S.  
 International journal of antimicrobial agents, vol.56, 2020 (SCI-Expanded)
- XLIX. Evaluation of internal medicine physicians' attitudes toward the treatment of dyslipidemia**  
 Kara E., Tecen Y., Bayraktar-Ekincioglu A., Demirkan K., Tokgozoglu L., Unal S.  
 Postgraduate Medicine, vol.132, no.6, pp.538-543, 2020 (SCI-Expanded)
- L. Publishing in face of the COVID-19 pandemic**  
 Voss A., Coombs G., Unal S., Saginur R., Hsueh P.  
 INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.56, no.1, 2020 (SCI-Expanded)
- LI. The effects of blood group types on the risk of COVID-19 infection and its clinical outcome.**  
 Göker H., Aladağ K., Demiroğlu H., Ayaz C., Büyükaşık Y., İnkaya A. Ç., Aksu S., Sayinalp N., Haznedaroğlu I., Uzun Ö., et al.  
 Turkish journal of medical sciences, vol.50, no.4, pp.679-683, 2020 (SCI-Expanded)
- LII. Turkish Society of Internal Medicine choosing wisely project**  
 YILDIZ P., DURUSU TANRİÖVER M., ÜNAL S.  
 EUROPEAN JOURNAL OF INTERNAL MEDICINE, vol.76, pp.125-126, 2020 (SCI-Expanded)
- LIII. Hot topics in diabetic foot infection**  
 Saeed K., Esposito S., Akram A., Ascione T., Bal A. M., Bassetti M., Carnelutti A., Chan M., Davis J., Dryden M., et al.  
 INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.55, no.6, 2020 (SCI-Expanded)
- LIV. Molecular Identification of HIV-1 in the Presence of Hepatitis B Virus and Hepatitis C Virus Co-infections**  
 SAYAN M., Ozguler M., Yildirim F. S., Yildirmak T., Gunduz A., Dokuzoguz B., ÇELEN M. K., İNAN D., HEPER Y., ERSÖZ G., et al.  
 BALKAN MEDICAL JOURNAL, vol.37, no.3, pp.125-130, 2020 (SCI-Expanded)
- LV. Emergence of colistin and carbapenem-resistant *Acinetobacter calcoaceticus*-*Acinetobacter baumannii* (CCR-Acb) complex in a neurological intensive care unit followed by successful control of the outbreak**  
 METAN G., Zarakolu P., OTLU B., Tekin I., Aytac H., BÖLEK E. Ç., Metin B. C., ARSAVA E. M., ÜNAL S.  
 JOURNAL OF INFECTION AND PUBLIC HEALTH, vol.13, no.4, pp.564-570, 2020 (SCI-Expanded)
- LVI. Temporal trends in the epidemiology of HIV in Turkey.**  
 Erdinc F., Dokuzoguz B., Unal S., Komur S., İnkaya A. Ç., Inan D., Karaoglan I., Deveci A., Celen M., Kose S., et al.  
 Current HIV research, vol.18, pp.258-266, 2020 (SCI-Expanded)
- LVII. Antiviral treatment of COVID-19**  
 Simsek Yavuz S., ÜNAL S.  
 TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, pp.611-619, 2020 (SCI-Expanded)
- LVIII. Ultrastructural evaluation of urine alkalinization versus hydration on colistin-induced nephrotoxicity**  
 Korucu B., Unal I., Pekcan M., İNKAYA A. Ç., Yeter H. H., ÇETİNİKAYA M. A., KAYMAZ F. F., ÜNAL S., AKOVA M., ERDEM Y.  
 Human and Experimental Toxicology, vol.38, no.12, pp.1366-1377, 2019 (SCI-Expanded)
- LIX. Gastrocnemius muscle thickness as a predictor of sarcopenia in people living with HIV**  
 Houssein M., İNKAYA A. Ç., Balci C., EŞME M., SÖNMEZER M. Ç., HALİL M. G., ÜNAL S.

- JOURNAL OF THE INTERNATIONAL AIDS SOCIETY, vol.22, pp.8, 2019 (SCI-Expanded)
- LX. **An Alternative Medical Diagnosis Method: Biosensors for Virus Detection**  
 SAYLAN Y., Erdem O., ÜNAL S., DENİZLİ A.  
 BIOSENSORS-BASEL, vol.9, no.2, 2019 (SCI-Expanded)
- LXI. **Influenza epidemiology and influenza vaccine effectiveness during the 2015-2016 season: results from the Global Influenza Hospital Surveillance Network**  
 Puig-Barbera J., Mira-Iglesias A., Burtseva E., Cowling B. J., Serhat U., Ruiz-Palacios G. M., Launay O., Kyncl J., Koul P., Siqueira M. M., et al.  
 BMC INFECTIOUS DISEASES, vol.19, 2019 (SCI-Expanded)
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- CXVII. **Hematopoietic stem cell transplantation in patients with genetic hemophagocytic lymphohistiocytosis**  
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- CXXXI. **VIRAL HEPATITIS SEROLOGY IN HIV INFECTED TURKISH PATIENTS**  
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- CXXXII. **Low awareness of adult vaccination among internal medicine residents**  
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- CXXXIII. **Comparisons of procedure specific surgicalsite infection rates of a Turkish university hospitalwith  
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centre experience**  
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- CXXXVII. **THE CARDIAC EFFECTS OF DESFEROXAMINE DEFERIPRONE COMBINATION THERAPY AND  
DESFEROXAMINE MONOTHERAPY IN THALASSEMIC PATIENTS**  
ÜNAL S., HAZIROLAN T., Beton B., KARABULUT E., GÜMRÜK F.  
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- CXXXVIII. **SUCCESSFUL PREVENTION OF ATTACKS WITH STANOZOLOL IN A CHILD WITH SEVERE  
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- CXXXIX. **Serum trace elements and glucose 6 phosphate dehydrogenase activity level in schizophrenia**  
Kaya B., Akdao N., Fadillyoolu E., ÜNAL S., Sayal A., Erdoogan H., Emre M. H.  
21st Congress of the European-College-of-Neuropsychopharmacology, Barcelona, Spain, 30 August - 03 September  
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- CXL. **HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS ASSOCIATED WITH HEMATOLOGIC MALIGNANCIES IN  
PEDIATRIC AGE GROUP IS AN INDICATIVE OF POOR PROGNOSIS**  
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13th Congress of the European-Hematology-Association, Copenhagen, Denmark, 12 - 15 June 2008, vol.93, pp.479
- CXLI. **Successful hematopoietic stem cell transplantation in a patient with a novel DNA ligase IV mutation**  
ÜNAL S., Cerosaletti K., TEKİN M., ÇETİN M., Uckan-Cetinkaya D., GÜMRÜK F.  
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- CXLII. **Interleukin-6 (IL-6), tumor necrosis factor a (TNF-alpha) levels and IL-6, TNF-polymorphisms in**

- children with thrombosis**  
ÜNAL S., Aytac S., Gumruk F., Yalnizoglu D., Gurgey A.  
12th Congress of the European-Hematology-Association, Vienna, Austria, 7 - 10 June 2007, vol.92, pp.375
- CXLIII. Natural killer cell count and activity, perforin expression, fas and soluble FAS ligand levels in immunocompetent children with varicella zoster virus infection**  
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12th Congress of the European-Hematology-Association, Vienna, Austria, 7 - 10 June 2007, vol.92, pp.456-457
- CXLIV. Intravenous busulfan in paediatric haematopoietic stem cell transplantation**  
Kuskonmaz B. B., ÜNAL S., Akan A., Cetin N., Akyol F., Cetin M., Tezcan I., Uckan D.  
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ÜNAL S., Kuskonmaz B. B., Cetin N., Ozer O., Karatas G., Cetin M., Tezcan I., Tuncer M., Cetinkaya D. U.  
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Zarakolu P., Ozcakir O., Hascelik G., ÜNAL S.  
17th European Congress of Clinical Microbiology and Infectious Diseases/25th International Congress of Chemotherapy, Munich, Germany, 31 March - 03 April 2007, vol.29
- CXLVII. Molecular characterisation of hospital-acquired methicillin-resistant *Staphylococcus aureus* in a Turkish university hospital**  
AKOĞLU H., Zarakolu P., Altun B., Hascelik G., ÜNAL S.  
17th European Congress of Clinical Microbiology and Infectious Diseases/25th International Congress of Chemotherapy, Munich, Germany, 31 March - 03 April 2007, vol.29
- CXLVIII. Carotid artery intima-media thickness, ambulatory blood pressure measurement and renal damage in thalassemia major**  
DÜZOVA A., Kuskonmaz B. B., Ergen B., ÜNAL S., Gumruk F., Bakkaloglu A.  
44th ERA-EDTA Congress, Barcelona, Spain, 22 - 24 June 2007, vol.22, pp.39
- CXLI. The retrospective analysis of pediatric acute leukemia cases between 1980-2003: Hacettepe experience.**  
ÜNAL S., Hicsonmez G., Yetgin S., Gurgey A., Gumruk F., Cetin M., Tuncer A.  
47th Annual Meeting of the American-Society-of-Hematology, Georgia, United States Of America, 10 - 13 December 2005, vol.106
- CL. Ambulatory blood pressure monitoring (ABPM) in children with thalassemia major (TM).**  
Kuskonmaz B. B., ÜNAL S., Duzova A., Bilginer Y., Bakkaloglu A., Gumruk F.  
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- CLI. First vancomycin-resistant blood isolate of *Enterococcus faecium* in a children's hospital and molecular analysis of surveillance cultures**  
Altun B., Cengiz A., Kara A., Ceyhan M., ÜNAL S., Secmeer G., Kanra G., Gur D.  
6th European Congress of Chemotherapy and Infection/24th Interdiscipinatory Meeting of Chimiotherapie Anit-Infections, Paris, France, 1 - 03 December 2004, vol.24
- CLII. Osteoporosis in Turkish HIV/AIDS patients: Comparative analysis by dual energy x-ray absorptiometry and digital x-ray radiogrammetry**  
Ozcakar L., Guven G., ÜNAL S., Akinci A.  
IOF World Congress on Osteoporosis, Rio de Janeiro, Brazil, 14 - 18 May 2004, vol.15
- CLIII. Evaluation of kidney damage in patients with acute lymphoblastic leukemia in long-term follow-up: Value of renal scan.**  
Yetgin S., Olgar S., Aras T., Cetin M., Duzova A., Beylergil V., Akhan O., Oguz O., ÜNAL S., Saracbasi O.

45th Annual Meeting of the American-Society-of-Hematology, SAN DIEGO, CALIFORNIA, 6 - 09 December 2003,  
vol.102

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3rd International Conference on the Macrolides, Azalides, and Streptogramins, Lisbon, Portugal, 24 - 26 January  
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- CLV. Molecular diagnostic methods in pulmonary infections  
ÜNAL S.

1st Mediterranean Congress on Interventional Diagnosis for Thorax Diseases, RHODES, Greece, 25 - 29 May 1996,  
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## Supported Projects

ÇALIK BAŞARAN N., UYAROĞLU O. A., SAİN GÜVEN G., METAN G., ÖZİŞIK L., ÖZ Ş. G., DEĞİRMENCİLER R. F., HALAÇLI B.,  
TOPELİ İSKİT A., TEZCAN F. İ., et al., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Tıp  
Fakültesi Hastanesi İç Hastalıkları servislerinde yeni Coronavirus COVID19 tanısı ile yatan hastaların immünolojik  
özelliklerinin ve genetik yatkınlıklarının varlığının araştırılması, 2020 - Continues

ÜNAL S., Other International Funding Programs, Phase 3b Study which will compare the efficacy safety and tolerability of  
a new compaund antibacterial agents vs Piperacillin Tazobactam in patients with hospital acquired pneumonia HABP and  
ventilator associated pneumonia VABP in hospitalized patients, 2017 - Continues

Aydin S., Ünal S., Tatar Yılmaz G., Özçubukçu S., Özkul A., Esendağlı G., Varan G., Research Project of the Presidency of  
Turkey Health Institutes (TÜSEB), Covid 19'a Karşı Multiepitop (Wuhan, Delta, Omicron BA/5 ) Sentetik Peptit Aşısı  
Araştırma Geliştirme Çalışması, 2023 - 2025

Aydin S., Varan G., Ünal S., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Alt Birim Monkeypox  
Aşısı Araştırma ve Geliştirme Çalışması, 2023 - 2024

ÜNAL S., Company, Hastanede Yatan Şiddetli Grip Hastalarında Standart Bakım Nöraminidaz İnhibitorü ile Baloksavir  
Marboksil Kombinasyonunun Etkililik ve Güvenliğinin Değerlendirildiği Bir Faz III, Randomize, Çift Kör, Plasebo  
Kontrollü, Çok Merkezli Çalışma, 2019 - 2022

ÇALIK BAŞARAN N., SÖNMEZER M. Ç., İNKAYA A. Ç., ÜNAL S., ÖZİŞIK L., TOKUÇOĞLU ALTUNAY H., ONUR M. R., İDİLMAN  
İ. S., Project Supported by Higher Education Institutions, HIV ile Enfekte Bireylerde Karaciğer Fibrosis Varlığının  
Biyokimyasal Yöntemler ve Görüntüleme Yöntemleri ile Araştırılması ve Risk Faktörlerinin Belirlenmesi, 2018 - 2022  
Ünal S., Other International Funding Programs, A Phase 3 Randomized, Double-blind, Placebo-controlled, Multicenter  
Study to Evaluate the Efficacy and Safety of Pimodivir in Combination with the Standard-of-care Treatment in Adolescent,  
Adult, and Elderly Hospitalized Patients with influenza A infection, 2018 - 2020

Ünal S., Other International Funding Programs, EVADE A PHASE 2 PROOF-OF-CONCEPT STUDY TO EVALUATE THE  
EFFICACY AND SAFETY OF MEDI3902 IN MECHANICALLY VENTILATED PATIENTS FOR THE PREVENTION OF  
NOSOCOMIAL PNEUMONIA CAUSED BY PSEUDOMONAS AERUGINOSA, 2017 - 2020

DURUSU TANRİÖVER M., ÜNAL S., ÇALIŞKAN E., İLBAY A., ZARAKOLU KÖŞKER I. P., Project Supported by Higher  
Education Institutions, ÖKSÜRÜKLÜ HASTALIK NEDENİYLE HASTANEYE BAŞVURAN ERİŞKİN HASTALARDA BOĞMACA  
PREVALANSININ SAPTANMASI, 2017 - 2018

DEMİRKAN S. K., TOPELİ İSKİT A., NEMUTLU E., ORTAÇ ERSOY N. E., ECEMİŞ S., ÜNAL S., Project Supported by Higher  
Education Institutions, Yoğun Bakım Ünitelerinde Kolistik Kan Düzeyi İzlemi ve Değerlendirilmesi, 2017 - 2018

ZARAKOL I. P., EYÜPOĞLU N. D., İNKAYA A. Ç., ÜNAL S., AYAZ Ç. M., Project Supported by Higher Education Institutions,  
HIV POZİTİF ERİŞKİN ERKEK HASTALARDA CİNSEL YOLLA BULAŞAN BAKTERİYEL ENFEKSİYON FREKANSININ  
BELİRLENMESİ, 2017 - 2018

YEĞENOĞLU S., ÜNAL S., Project Supported by Higher Education Institutions, Türkiyede Yenidoğanlarda ve Hamile  
Kadınlarda RSV Aşısının Potansiyel MaliyetEtkililik Analizi Bursa Verileri Doğrultusunda Bir Örneklem, 2017 - 2017  
ÜNAL S., Other International Funding Programs, A phase II Randomized Double blind Placebo controlled Single dose  
Dose ranging Study of the Efficacy and Safety of MEDI4893 a Human Monoclonal Antibody Against Staphylococcus  
aureus Alpha Toxin in Mechanically Ventilated Adult Subjects, 2016 - 2017

EKMEKCİOĞLU A., AKTAŞ A., TÜZ H. H., ÜNAL S., ADİLOĞLU S., İNKAYA A. Ç., KÖSEOĞLU O. T., Project Supported by Higher Education Institutions, HANGİ TÜR İLAÇLAR MRONJ (MEDİKASYONA BAĞLI ÇENELERDE GÖRÜLEN OSTEONEKROZ)'A NEDEN OLABİLİR?, 2015 - 2016

ÜNAL S., Project Supported by Other Private Institutions, Kapadokya kohortunda İnfluenza Aşısı Eğitim Müdahalesinin Değerlendirildiği Çalışma Kapadokya İnfluenza, 2014 - 2015

ÜNAL S., Other International Funding Programs, Türkiye de Streptococcus Pneumoniae nin İnvaziv Pnömokokal Hastalığa Bağlı Seraotip Dağılımı ve Antimikrobiyal Duyarlılığı, 2014 - 2015

ÜNAL S., Project Supported by Other Private Institutions, Dahiliye Kliniklerine Başvuran Hastalarda KOAH Semptomlarının Değerlendirilmesine İlişkin Girişimsel Olmayan Anket Çalışması, 2014 - 2015

ÜNAL S., Project Supported by Other Private Institutions, Türk Hekimleri Kohortu Sık Rastlanan Kronik Hastalıklarda Prevelans İnsidans ve Risk Faktörlerinin Belirlenmesi, 2013 - 2014

ÜNAL S., Project Supported by Other Private Institutions, Avanos ve Gülşehir İlçelerinde Görülen Kronik Hastalıkların Prevelans İnsidans ve Risk Faktörlerinin Değerlendirildiği İzlem Çalışması, 2012 - 2013

## Patent

Ünal S., Rapid method for detection of methicillin-resistant staphylococci, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 0000 , Standard Registration, 1993

Ünal S., FemA gene of Staphylococcus epidermidis, FemA protein, and vectors and microorganisms comprising the femA gene, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 000000 , Standard Registration, 1991

## Activities in Scientific Journals

INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, Scientific Committee Membership, 2019 - Continues

FLORA INFESIYON HASTALIKLARI VE KLINIK MIKROBIYOLOJI DERGISI, Scientific Committee Membership, 2019 - Continues

ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS, Scientific Committee Membership, 2019 - Continues  
LE INFESIONI IN MEDICINA : RIVISTA PERIODICA DI EZIOLOGIA, EPIDEMIOLOGIA, DIAGNOSTICA, CLINICA E TERAPIA DELLE PATOLOGIE INFETTIVE, Committee Member, 2019 - Continues

Hastane İnfeksiyonları Dergisi, Committee Member, 2017 - Continues

ACTA MEDICA ACADEMICA, Scientific Committee Membership, 2017 - Continues

INFECTIOUS DISEASES IN CLINICAL PRACTICE, Publication Committee Member, 2010 - Continues

HIV/AIS Dergisi, First Editor, 1998 - Continues

MIKROBIYOLOJI BULTENI, Committee Member, 1995 - Continues

MIKROBIYOLOJI BULTENI, Publication Committee Member, 1994 - 2000

## Memberships / Tasks in Scientific Organizations

Türk İç Hastalıkları Uzmanlık Derneği , Chairman, 2010 - Continues, Turkey

European Federation of Internal Medicine, Co-chairman, 2008 - Continues, United States Of America

Türk Hastane İnfeksiyonları Derneği , Honorary Chairman, 2000 - Continues, Turkey

Türk İç Hastalıkları Uzmanlık Derneği , Honorary Chairman, 1995 - Continues, Turkey

Türk Hastane İnfeksiyonları Derneği , Secretary General, 2000 - 2012, Turkey

Türk İç Hastalıkları Uzmanlık Derneği , Secretary General, 1999 - 2010, Turkey

Ankara AIDS Savaşım Derneği , Chairman, 1997 - 2001, Turkey

Infectious Diseases Association , Chairman, 1996 - 2000, Turkey

Türkiye Aile Planlaması Derneği ve Avrupa Topluluğu. AIDS: Üst Düzey Politika ve Karar Organları Girişimi Projesi ,

Consultant, 1995 - 1998, Turkey

Ankara Microbiology Association, Board Member, 1994 - 1997, Turkey

Secretary General, 1993 - 1997, Turkey

Infectious Diseases Association, Board Member, 1993 - 1996, Turkey

## Metrics

Publication: 527

Citation (WoS): 11306

Citation (Scopus): 6846

H-Index (WoS): 39

H-Index (Scopus): 43

## Invited Talks

Parallel Session 14: Vaccine Preventable Respiratory Tract Infections and Immunization Strategies During the COVID-19 Pandemic, Seminar, 20th European Congress of Internal Medicine (ECIM), Spain, June 2022

Guidelines of Community Acquired Pneumonia by EFIM, Conference, 20th European Congress of Internal Medicine (ECIM), Spain, June 2022

Covid 19 Pandemisi ve Aşılama, Conference, Gelişim Akademisi, Turkey, May 2022

I. ve V. oturumlar, Conference, Gelişim Akademisi, Turkey, May 2022

Olgularla Toraks BT Görüntülemesi. İç Hatalıkları Uzmanları için Malpraktis, Conference, TİHUD İç Hastalıkları Kış Okulu, Turkey, February 2022

COVID Aşılamasında Son Durum. İç Hatalıkları Uzmanları için Malpraktis, Seminar, TİHUD İç Hastalıkları Kış Okulu, Turkey, February 2022

Genç Dahiliyeciler Kölesi. İç Hatalıkları Uzmanları için Malpraktis, Conference, TİHUD İç Hastalıkları Kış Okulu, Turkey, February 2022

Antibiyotik Kullanımı ve Biyobelirteçler, Conference, Hastane İnfeksiyonları Kongresi HİKON 2021., Turkey, December 2021

Antiretroviral therapy causes a reduction in T-cell exhaustion, which is preserved after switching to a new therapy regimen, Conference, 18th European AIDS Conference (EACS 2021), England, October 2021

Vaccination as an effective preventive measure in adult medicine, Seminar, International Internal Medicine Meetings-19., Hungary, February 2020

Surveillance as a starting point to reduce surgical-site infection rates, Seminar, Infection Prevention Summit, Turkey, February 2020

Türkiye HIV/AIDS Kontrol Programı (2019-2024)'nın Yansımaları, Conference, T.C. Sağlık Bakanlığı&World Health Organization. Dünya AIDS Günü Toplantısı, Turkey, November 2019

## Non Academic Experience

SAĞLIK BAKANLIĞI

University, Hacettepe Üniversitesi, HÜTBAT

Professional Association, Ankara AIDS Savaşım Derneği , Yönetim

Professional Association, Enfeksiyon Hastalıkları Derneği , Yönetim

Amerika Birleşik Devletleri Harvard Tıp Fakültesi

Çubuk Devlet Hastanesi