

## Prof. MURAT AKOVA

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### Education Information

Expertise In Medicine, Hacettepe Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1984 - 1989

### Research Areas

Medicine

### Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi (İngilizce), Dahili Tıp Bilimleri Bölümü, 1998 - Continues

### Academic and Administrative Experience

Hacettepe Üniversitesi, Tıp Fakültesi, 2000 - 2006

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

- I. **Etiology and prevalence of ESBLs in adult community-onset urinary tract infections in East China: A prospective multicenter study**  
Quan J., Dai H., Liao W., Zhao D., Shi Q., Zhang L., Shi K., AKOVA M., Yu Y.  
JOURNAL OF INFECTION, vol.83, no.2, pp.175-181, 2021 (Journal Indexed in SCI)
- II. **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 TANRIÖVER 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 (Journal Indexed in SCI)
- III. **Comparison of teicoplanin versus vancomycin in combination with piperacillin-tazobactam or meropenem for the risk of acute kidney injury**  
ASLAN A. T. , Pashayev T., DAĞ O., AKOVA M.  
EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES, 2021 (Journal Indexed in SCI)
- IV. **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.

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- V. **Persistent dermal lesions in a patient with previous history of visceral leishmaniasis**  
Jaiteh M. B. , İNKAYA A. Ç. , ÜNER A., ELÇİN G., ERGÜVEN S., KURTULAN O., Harxhi A., AKOVA M.  
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- VI. **Expect the unexpected: fungemia caused by uncommon Candida species in a Turkish University Hospital**  
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EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES, 2021 (Journal Indexed in SCI)
- VII. **Antimicrobial de-escalation in the critically ill patient and assessment of clinical cure: the DIANA study**  
De Bus L., Depuydt P., Steen J., Dhaese S., De Smet K., Tabah A., AKOVA M., Cotta M. O. , De Pascale G., Dimopoulos G., et al.  
INTENSIVE CARE MEDICINE, vol.46, no.7, pp.1404-1417, 2020 (Journal Indexed in SCI)
- VIII. **Fungal infections of the skin and soft tissue**  
DOĞAN GÜNAYDIN S., ARIKAN AKDAĞLI S., AKOVA M.  
CURRENT OPINION IN INFECTIOUS DISEASES, vol.33, no.2, pp.130-136, 2020 (Journal Indexed in SCI)
- IX. **Understanding resistance in Pseudomonas**  
Dimopoulos G., AKOVA M., Rello J., Poulakou G.  
INTENSIVE CARE MEDICINE, vol.46, no.2, pp.350-352, 2020 (Journal Indexed in SCI)
- X. **Antimicrobial Stewardship in Hematological Patients at the intensive care unit: a global cross-sectional survey from the Nine-i Investigators Network**  
Rello J., Sarda C., Mokart D., Arvaniti K., AKOVA M., Tabah A., Azoulay E., Rabbat A., Darmon M., Klouche K., et al.  
EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES, vol.39, no.2, pp.385-392, 2020 (Journal Indexed in SCI)
- XI. **Global guideline for the diagnosis and management of mucormycosis: an initiative of the European Confederation of Medical Mycology in cooperation with the Mycoses Study Group Education and Research Consortium**  
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LANCET INFECTIOUS DISEASES, vol.19, no.12, 2019 (Journal Indexed in SCI)
- XII. **Ultrastructural evaluation of urine alkalization versus hydration on colistin-induced nephrotoxicity**  
Korucu B., Unal I., Pekcan M., İNKAYA A. Ç. , Yeter H., ÇETİNKAYA M. A. , KAYMAZ F. F. , ÜNAL S., AKOVA M., ERDEM Y.  
Human and Experimental Toxicology, vol.38, no.12, pp.1366-1377, 2019 (Journal Indexed in SCI)
- XIII. **Extended spectrum beta-lactamase producing enterobacteriaceae: carbapenem sparing options**  
ASLAN A. T. , AKOVA M.  
EXPERT REVIEW OF ANTI-INFECTIVE THERAPY, 2019 (Journal Indexed in SCI)
- XIV. **Dual Role of gnaA in Antibiotic Resistance and Virulence in Acinetobacter baumannii**  
Xu Q., Chen T., Yan B., Zhang L., Pi B., Yang Y., Zhang L., Zhou Z., Ji S., Leptihn S., et al.  
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- XV. **Impact of antibiotic resistance on outcomes of neutropenic cancer patients with Pseudomonas aeruginosa bacteraemia (IRONIC study): study protocol of a retrospective multicentre international study**  
Albasanz-Puig A., Gudiol C., Parody R., Tebe C., AKOVA M., Araos R., Bote A., Brunel A., Calik S., Drgona L., et al.  
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- XVI. **Developing definitions for invasive fungal diseases in critically ill adult patients in intensive care units. Protocol of the FUNgal infections Definitions in ICU patients (FUNDICU) project**  
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- XVIII. **Comparison of Predictors and Mortality Between Bloodstream Infections Caused by ESBL-Producing Escherichia coli and ESBL-Producing Klebsiella pneumoniae**  
Scheurman O, Schechner V, Carmeli Y, Gutierrez-Gutierrez B, Calbo E, Almirante B, Viale P, Oliver A, Ruiz-Garbajosa P, Gasch O, et al.  
INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY, vol.39, no.6, pp.660-667, 2018 (Journal Indexed in SCI)
- XIX. **Neuroinvasive Listeriosis Could Petechial Hemorrhages be a Diagnostic Clue?**  
Diker S, OKAR S, Mehdikhanova L, ARSAVA E. M. , KURNE A, CEVIK I. U. , AKYON Y, ALP S, INKAYA C, AKOVA M, et al.  
NEUROLOGIST, vol.23, no.3, pp.86-91, 2018 (Journal Indexed in SCI)
- XX. **Antimicrobial resistance and antibiotic stewardship programs in the ICU: insistence and persistence in the fight against resistance. A position statement from ESICM/ESCMID/WAAAR round table on multi-drug resistance**  
De Waele J. J. , AKOVA M, Antonelli M, Canton R, Carlet J, De Backer D, Dimopoulos G, Garnacho-Montero J, Kesecioglu J, Lipman J, et al.  
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- XXI. **Fluoroquinolone prophylaxis in haematological cancer patients with neutropenia: ECIL critical appraisal of previous guidelines**  
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- XXII. **Empiric Therapy With Carbapenem-Sparing Regimens for Bloodstream Infections due to Extended-Spectrum beta-Lactamase-Producing Enterobacteriaceae: Results From the INCREMENT Cohort**  
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- XXIII. **Geographical variation in therapy for bloodstream infections due to multidrug-resistant Enterobacteriaceae: a post-hoc analysis of the INCREMENT study**  
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- XXIV. **Bacteremic and non-bacteremic pneumonia caused by Acinetobacter baumannii in ICUs of South China: A Clinical and Microbiological Study**  
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- XXV. **Efficacy of beta-Lactam/beta-Lactamase Inhibitor Combinations for the Treatment of Bloodstream Infection Due to Extended-Spectrum-beta-Lactamase-Producing Enterobacteriaceae in Hematological Patients with Neutropenia**  
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- XXVI. **Effect of appropriate combination therapy on mortality of patients with bloodstream infections due to carbapenemase-producing Enterobacteriaceae (INCREMENT): a retrospective cohort study**  
Gutierrez-Gutierrez B, Salamanca E, de Cueto M, Hsueh P, Viale P, Ramon Pano-Pardo J, Venditti M, Tumbarello M, Daikos G, Canton R, et al.  
LANCET INFECTIOUS DISEASES, vol.17, no.7, pp.726-734, 2017 (Journal Indexed in SCI)
- XXVII. **MP246IN VIVO EVALUATION OF PROTECTIVE EFFECT OF HYDRATION WITH SODIUM CHLORIDE VERSUS URINE ALKALINISATION ON COLISTIN INDUCED NEPHROTOXICITY IN RATS**

- KORUCU B., ÜNAL İ., PEKCAN M., ÇETİNKAYA M. A. , KAYMAZ F. F. , İNKAYA A. Ç. , AKOVA M., ÜNAL S.  
Nephrology Dialysis Transplantation, vol.32, pp.516-517, 2017 (Journal Indexed in SCI)
- XXVIII. **An overview on severe infections in Europe**  
Dimopoulos G., AKOVA M.  
INTENSIVE CARE MEDICINE, vol.43, no.5, pp.686-689, 2017 (Journal Indexed in SCI)
- XXIX. **IN VIVO EVALUATION OF PROTECTIVE EFFECT OF HYDRATION WITH SODIUM CHLORIDE VERSUS URINE ALKALINISATION ON COLISTIN INDUCED NEPHROTOXICITY IN RATS**  
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- XXX. **Prevalence of mcr-1 in Escherichia coli and Klebsiella pneumoniae recovered from bloodstream infections in China: a multicentre longitudinal study**  
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- XXXI. **Development and validation of the INCREMENT-ESBL predictive score for mortality in patients with bloodstream infections due to extended-spectrum- beta-lactamase-producing Enterobacteriaceae**  
Raquel Palacios-Baena Z., Gutierrez-Gutierrez B., De Cueto M., Viale P., Venditti M., Hernandez-Torres A., Oliver A., Martinez-Martinez L., Calbo E., Pintado V., et al.  
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- XXXII. **High prevalence of ESBL-producing Escherichia coli and Klebsiella pneumoniae in community-onset bloodstream infections in China**  
Quan J., Zhao D., Liu L., Chen Y., Zhou J., Jiang Y., Du X., Zhou Z., AKOVA M., Yu Y.  
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- XXXIII. **Antimicrobial Stewardship in Turkey**  
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- XXXIV. **Antibacterial Resistance in Patients with Hematopoietic Stem Cell Transplantation**  
Alp Ş., AKOVA M.  
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- XXXV. **Antimicrobial Stewardship in Hematology Patients**  
AKOVA M.  
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- XXXVI. **Community-acquired pneumonia in adults: Highlighting missed opportunities for vaccination**  
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- XXXVII. **Reducing the impact of carbapenem-resistant Enterobacteriaceae on vulnerable patient groups: what can be done?**  
METAN G., AKOVA M.  
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- XXXVIII. **A Predictive Model of Mortality in Patients With Bloodstream Infections due to Carbapenemase-Producing Enterobacteriaceae**  
Gutierrez-Gutierrez B., Salamanca E., de Cueto M., Hsueh P., Viale P., Ramon Pano-Pardo J., Venditti M., Tumbarello M., Daikos G., Pintado V., et al.  
MAYO CLINIC PROCEEDINGS, vol.91, no.10, pp.1362-1371, 2016 (Journal Indexed in SCI)
- XXXIX. **Evaluation of PNA-FISH Method for Direct Identification of Candida Species in Blood Culture Samples and Its Potential Impact on Guidance of Antifungal Therapy**  
Dogan O., İNKAYA A. Ç. , Gulmez D., UZUN Ö., AKOVA M., ARIKAN AKDAĞLI S.  
MIKROBİYOLOJİ BÜLTENİ, vol.50, no.4, pp.580-589, 2016 (Journal Indexed in SCI)
- XL. **Epidemiology of carbapenem-resistant Klebsiella pneumoniae colonization: a surveillance study at a Turkish university hospital from 2009 to 2013**  
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- XLII. A Multinational, Preregistered Cohort Study of beta-Lactam/beta-Lactamase Inhibitor Combinations for Treatment of Bloodstream Infections Due to Extended-Spectrum-beta-Lactamase-Producing Enterobacteriaceae**  
Gutierrez-Gutierrez B., Perez-Galera S., Salamanca E., de Cueto M., Calbo E., Almirante B., Viale P., Oliver A., Pintado V., Gasch O., et al.  
ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol.60, no.7, pp.4159-4169, 2016 (Journal Indexed in SCI)
- XLIII. Ertapenem for the treatment of bloodstream infections due to ESBL-producing Enterobacteriaceae: a multinational pre-registered cohort study**  
Gutierrez-Gutierrez B., Bonomo R. A., Carmeli Y., Paterson D. L., Almirante B., Martinez-Martinez L., Oliver A., Calbo E., Pena C., AKOVA M., et al.  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.71, no.6, pp.1672-1680, 2016 (Journal Indexed in SCI)
- XLIV. Is prolonged infusion of piperacillin/tazobactam and meropenem in critically ill patients associated with improved pharmacokinetic/pharmacodynamic and patient outcomes? An observation from the Defining Antibiotic Levels in Intensive care unit patients (DALI) cohort**  
Abdul-Aziz M. H., Lipman J., AKOVA M., Bassetti M., De Waele J. J., Dimopoulos G., Dulhunty J., Kaukonen K., Koulenti D., Martin C., et al.  
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- XLV. Epidemiology of antimicrobial resistance in bloodstream infections**  
AKOVA M.  
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- XLVI. Prospective Evaluation of Infection Episodes in Cancer Patients in a Tertiary Care Academic Center: Microbiological Features and Risk Factors for Mortality**  
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- XLVII. Task force on management and prevention of Acinetobacter baumannii infections in the ICU**  
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- XLVIII. Which individuals are at increased risk of pneumococcal disease and why? Impact of COPD, asthma, smoking, diabetes, and/or chronic heart disease on community-acquired pneumonia and invasive pneumococcal disease**  
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- XLIX. Epidemiology of candidaemia in a tertiary care university hospital: 10-year experience with 381 candidaemia episodes between 2001 and 2010**  
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- L. Evaluation of a new chromogenic medium, chromID OXA-48, for recovery of carbapenemase-producing Enterobacteriaceae from patients at a university hospital in Turkey**  
Zarakolu P., Day K. M., SIDJABAT H. E., KAMOLVIT W., Lanyon C. V., Cummings S. P., PATERSON D. L., AKOVA M., Perry J. D.  
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- LI. Pharmacokinetic variability and exposures of fluconazole, anidulafungin, and caspofungin in intensive care unit patients: Data from multinational Defining Antibiotic Levels in Intensive care unit (DALI) patients Study**  
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- LII. Epidemiology and emerging resistance in bacterial bloodstream infections in patients with hematologic malignancies**

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- LII. **Recommendations for Risk Categorization and Prophylaxis of Invasive Fungal Diseases in Hematological Malignancies: A Critical Review of Evidence and Expert Opinion (TEO-4)**  
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- LIII. **Molecular characterization of NDM-1-producing Acinetobacter pittii isolated from Turkey in 2006**  
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- LIV. **Impact of Loading Doses on the Time to Adequate Predicted Beta-Lactam Concentrations in Prolonged and Continuous Infusion Dosing Schemes Reply**  
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- LV. **DALI: Defining Antibiotic Levels in Intensive Care Unit Patients: Are Current beta-Lactam Antibiotic Doses Sufficient for Critically Ill Patients?**  
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- LVI. **Aetiology and resistance in bacteraemias among adult and paediatric haematology and cancer patients**  
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- LVII. **Clinical Experience of Colistin-Glycopeptide Combination in Critically Ill Patients Infected with Gram-Negative Bacteria**  
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- LIX. **Targeted therapy against multi-resistant bacteria in leukemic and hematopoietic stem cell transplant recipients: guidelines of the 4th European Conference on Infections in Leukemia (ECIL-4, 2011)**  
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- LX. **European guidelines for empirical antibacterial therapy for febrile neutropenic patients in the era of growing resistance: summary of the 2011 4th European Conference on Infections in Leukemia**  
Averbuch D., Orasch C., Cordonnier C., Livermore D. M. , Mikulska M., Viscoli C., Gyssens I. C. , Kern W. V. , Klyasova G., Marchetti O., et al.  
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- LXI. **A multidisciplinary team approach to the management of patients with suspected or diagnosed invasive fungal disease**  
Ben-Ami R., Halaburda K., Klyasova G., Metan G., Torosian T., AKOVA M.  
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- LXII. **Oral Antibiotics for Fever in Low-Risk Neutropenic Patients With Cancer: A Double-Blind, Randomized, Multicenter Trial Comparing Single Daily Moxifloxacin With Twice Daily Ciprofloxacin Plus Amoxicillin/Clavulanic Acid Combination Therapy-EORTC Infectious Diseases Group Trial XV**

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- LXIII. **Pneumonia Caused by Fusobacterium necrophorum Is Lemierre Syndrome Still Current**  
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- LXIV. **Low-level laser therapy supported teeth extractions of two patients receiving IV zolendronate**  
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- LXV. **Comparative Evaluation of In Vitro Activities of Carbapenemes Against Gram-Negative Pathogens: Turkish Data of COMPACT Study**  
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