

# Prof. GÖKHAN METAN

## Personal Information

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## International Researcher IDs

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## Education Information

Expertise In Medicine, Hacettepe University, Tıp, Mikrobiyoloji Ve Klinik Mikrobiyoloji, Turkey 2000 - 2004

Undergraduate, Ankara University, Tıp Fakültesi, Turkey 1992 - 2000

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Expertise In Medicine, İç hastalıkları yoğun bakım ünitesinde yatan hastalarda genişletilmiş spektrumlu beta-laktamaz (GSBL) üreten Klebsiella pneumoniae ve Escherichia coli ile kolonizasyonun saptanması, Hacettepe University, Tıp Fakültesi (Türkçe), 2004

## Research Areas

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

## Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 2017 - Continues

Associate Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 2015 - 2017

Associate Professor, Erciyes University, Tıp Fakültesi, 2011 - 2015

Assistant Professor, Erciyes University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2007 - 2011

Assistant Professor, Erciyes University, Tıp Fakültesi, 2007 - 2011

Lecturer PhD, Erciyes University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2005 - 2007

Research Assistant, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2000 - 2004

## Advising Theses

METAN G., İnvaziv mantar enfeksiyonlarının tedavisinde Kaspofunginin etkinliğinin değerlendirilmesi, Expertise In Medicine, S.ALİ(Student), 2012

METAN G., İnvaziv mantar enfeksiyonu riski olmayan hastalarda piperasilin/tazobaktam ve ampisilin/sulbaktam kullanımına bağlı serum galaktomannan ve 1,3-β-d gluklan kinetiğinin incelenmesi, Expertise In Medicine, Ç.AĞKUŞ(Student), 2011

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

- I. **An Institutional Febrile Neutropenia Protocol Improved the Antibacterial Treatment and Encouraged the Development of a Computerized Clinical Decision Support System**  
TAŞ Z., METAN G., TELLİ DİZMAN G., YAVUZ E., DİZDAR Ö., BÜYÜKAŞIK Y., UZUN Ö., AKOVA M.  
ANTIBIOTICS-BASEL, no.9, 2024 (SCI-Expanded)
- II. **Battle of polymyxin induced nephrotoxicity: Polymyxin B versus colistin**  
BALLI TURHAN F. N., EKİNCİ P. B., KURTARAN M., KARA E., DİZMAN G. T., SÖNMEZER M. Ç., HAYRAN K. M., DEMİRKAN K., METAN G.  
International Journal of Antimicrobial Agents, vol.63, no.2, 2024 (SCI-Expanded)
- III. **Impact of a hospital sepsis management protocol on the selection of empirical antibiotics in infectious disease consultations**  
ÖZDEN A., DALGIÇ B., DEMİR M., HAZİROLAN G., UZUN Ö., METAN G.  
Journal of Chemotherapy, vol.36, no.3, pp.190-197, 2024 (SCI-Expanded)
- IV. **Diagnostic performance and longitudinal analysis of fungal biomarkers in COVID-19 associated pulmonary aspergillosis**  
ER B., ER A. G., GÜLMEZ KIVANÇ D., ŞAHİN T. K., METAN G., SARIBAŞ Z., ARIKAN AKDAĞLI S., UZUN Ö.  
Heliyon, vol.9, no.11, 2023 (SCI-Expanded)
- V. **Does marking as sterile mean really sterile? Stenotrophomonas maltophilia outbreak caused by a blood-gas injector containing liquid heparin.**  
TELLİ DİZMAN G., METAN G., KARAHAN G., TANRIVERDİ E. S., HAZİROLAN G., OTLU B., SÖNMEZER M. Ç., GÜL N. D., ÇINAR B., ÜNAL S.  
Infection control and hospital epidemiology, vol.44, pp.1683-1685, 2023 (SCI-Expanded)
- VI. **Necrotizing pneumonia due to Aspergillus and Salmonella after immune checkpoint inhibitor treatment: An unusual case and review of the literature Neumonía necrotizante por Aspergillus y Salmonella tras tratamiento con un inhibidor de puntos de control inmunitario: un caso inusual y revisión de la literatura**  
IŞIK M. C., KARCIOĞLU O., HAZİROLAN G., GÜLMEZ KIVANÇ D., ONUR M. R., KUNT M. M., ARIKAN AKDAĞLI S., METAN G.  
Revista Iberoamericana de Micología, vol.40, no.2-3, pp.26-30, 2023 (SCI-Expanded)
- VII. **Evaluation of risk factors for developing COVID-19 in healthcare professionals working at two university hospitals in Turkey.**  
SERTÇELİK A., ÇAKIR B., METAN G.  
Work (Reading, Mass.), vol.74, no.3, pp.799-809, 2023 (SSCI)
- VIII. **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., İSMAYILOV 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)
- IX. **The guideline compatibility of mucormycosis management: A retrospective review of 165 case reports from European quality (EQUAL) score perspective**  
BOLEK H., METAN G.  
JOURNAL DE MYCOLOGIE MEDICALE, vol.32, no.4, 2022 (SCI-Expanded)
- X. **Impact of HLA Polymorphism on the Immune Response to Bacillus Anthracis Protective Antigen in**

## **Vaccination versus Natural Infection**

Ascough S., Ingram R. J., Chu K. K. Y., Moore S. J., Gallagher T., Dyson H., Doganay M., METAN G., ÖZKUL Y., Baillie L., et al.

VACCINES, vol.10, no.10, 2022 (SCI-Expanded)

- XI. **A screening study for COVID-19-associated pulmonary aspergillosis in critically ill patients during the third wave of the pandemic**  
ER B., ER A. G., GÜLMEZ KIVANÇ D., ŞAHİN T. K., HALAÇLI B., DURHAN G., Ersoy E. O., ALP A., METAN G., SARIBAŞ Z., et al.  
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- XII. **Sensitivity Affected by Disease Severity and Serum Sampling Time: a Performance Evaluation of Six SARS-CoV-2 Antibody Immunoassays**  
ŞENER B., KIRBAŞ E., SANCAK B., Gozalan A., EVREN E., KARAHAN Z. C., ZEYTİNOĞLU TÜRKEŞ A., Dinc B., ALP A., TELLİ DİZMAN G., et al.  
JAPANESE JOURNAL OF INFECTIOUS DISEASES, vol.75, no.4, pp.388-394, 2022 (SCI-Expanded)
- XIII. **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?**  
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Infection control and hospital epidemiology, vol.43, no.6, pp.802-804, 2022 (SCI-Expanded)
- XIV. **It is time to define an organizational model for the prevention and management of infections along the surgical pathway: a worldwide cross-sectional survey**  
Sartelli M., Labricciosa F. M., Coccolini F., Coimbra R., Abu-Zidan F. M., Ansaloni L., Al-Hasan M. N., Ansari S., Barie P. S., Angel Cainzos M., et al.  
WORLD JOURNAL OF EMERGENCY SURGERY, vol.17, no.1, 2022 (SCI-Expanded)
- XV. **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., Saricaoğlu T., et al.  
Turkish journal of medical sciences, vol.52, no.1, pp.1-10, 2022 (SCI-Expanded)
- XVI. **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., TOPELİ A., AKINCI S. B., TOPÇUOĞLU M. A., BERKER M., et al.  
International Journal of Infectious Diseases, vol.115, pp.201-207, 2022 (SCI-Expanded)
- XVII. **Disseminated Brucella melitensis infection following canakinumab treatment.**  
Oral H., Sönmezer M. Ç., Yıldız A. E., Hazirolan G., Metan G., İnkaya A. Ç.  
Travel medicine and infectious disease, vol.45, pp.102227, 2022 (SCI-Expanded)
- XVIII. **Implementation of Pharmacist-Driven Antifungal Stewardship Program in a Tertiary Care Hospital**  
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ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol.65, no.9, 2021 (SCI-Expanded)
- XIX. **Clinical features and outcomes of COVID-19 in patients with solid tumors: Turkish National Registry Data**  
Ozdemir N., DİZDAR Ö., YAZICI O., AKSOY S., Dede D. S., Budakoglu B., METAN G., ALP A., BUDAKOĞLU İ. İ., Oksuzoglu O. B. C., et al.  
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- XX. **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**  
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JOURNAL OF INFECTION AND PUBLIC HEALTH, vol.13, no.4, pp.564-570, 2020 (SCI-Expanded)
- XXI. **Neuraminidase Inhibitors and Hospital Length of Stay: A Meta-analysis of Individual Participant Data to Determine Treatment Effectiveness Among Patients Hospitalized With Nonfatal 2009 Pandemic**

## **Influenza A(H1N1) Virus Infection**

Venkatesan S., Myles P. R., Bolton K. J., Muthuri S. G., Al Khuwaitir T., Anovadiya A. P., Azziz-Baumgartner E., Bajjou T., Bassetti M., Beovic B., et al.

JOURNAL OF INFECTIOUS DISEASES, vol.221, no.3, pp.356-366, 2020 (SCI-Expanded)

- XXII. **The Importance of Awareness for Malaria Regarding Prophylaxis and Early Diagnosis: Two Imported Malaria Cases in Turkey**  
ÖZMEN ÇAPIN B. B., SÖNMEZER M. Ç., Tortop S., Unalan T., BÖLEK H., ALTINTOP S. E., İNKAYA A. Ç., METAN G., Erguven S.  
MIKROBİYOLOJİ BULTENİ, vol.53, no.4, pp.472-479, 2019 (SCI-Expanded)
- XXIII. **Is Aspergillus lateral device ready to implement to the daily practice? The question rising from the new European Invasive Aspergillosis management guideline**  
METAN G.  
JOURNAL DE MYCOLOGIE MEDICALE, vol.29, no.1, pp.97-98, 2019 (SCI-Expanded)
- XXIV. **2019 update of the WSES guidelines for management of Clostridioides (Clostridium) difficile infection in surgical patients**  
Sartelli M., Di Bella S., McFarland L. V., Khanna S., Furuya-Kanamori L., Abuzeid N., Abu-Zidan F. M., Ansaloni L., Augustin G., Bala M., et al.  
WORLD JOURNAL OF EMERGENCY SURGERY, vol.14, 2019 (SCI-Expanded)
- XXV. **Posaconazole prophylaxis in patients with acute myeloid leukemia: A real life experience from a prospective multicenter observational study**  
METAN G., Etgul S., Cifticioglu A., Saba R., KILIÇ A., Yilmaz H., Demir K., ÇAĞ Y., Unal D. K., AKSOY F., et al.  
MEDICAL MYCOLOGY, vol.56, 2018 (SCI-Expanded)
- XXVI. **Invasive fungal diseases in patients with acute leukemia or allogeneic stem cell transplantation recipients: A prospective multicenter observational study**  
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- XXVII. **Various Antibiotic Combinations Against Carbapenem Resistant Acinetobacter baumannii Infections and In Vitro Synergy Test Results (2002-2016)**  
Zarakolu P., Ayaz C. M., METAN G.  
MIKROBİYOLOJİ BULTENİ, vol.52, no.2, pp.190-197, 2018 (SCI-Expanded)
- XXVIII. **Cessation of Contact Precautions for Extended-Spectrum Beta-Lactamase (ESBL)-Producing Escherichia coli Seems to be Safe in a Nonepidemic Setting**  
METAN G., Metin B. C., BAŞTUĞ Z., TEKİN İ., AYTAC H., CINAR B., Zengin H., ÜNAL S.  
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- XXIX. **Therapeutic drug monitorization for voriconazole: Experience from Turkey**  
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MYCOSES, vol.60, pp.221, 2017 (SCI-Expanded)
- XXX. **Is surveillance for colonization of carbapenem-resistant gram-negative bacteria important in adult bone marrow transplantation units?**  
Demiraslan H., Cevahir F., Berk E., METAN G., ÇETİN M., Alp E.  
AMERICAN JOURNAL OF INFECTION CONTROL, vol.45, no.7, pp.735-739, 2017 (SCI-Expanded)
- XXXI. **Performance of Galactomannan Antigen, Beta-D-Glucan, and Aspergillus-Lateral-Flow Device for the Diagnosis of Invasive Aspergillosis**  
Metan G., KEKLİK M., DİNÇ G., Pala C., Yildirim A., SARAYMEN B., KÖKER M. Y., KAYNAR L., Eser B., ÇETİN M.  
INDIAN JOURNAL OF HEMATOLOGY AND BLOOD TRANSFUSION, vol.33, no.1, pp.87-92, 2017 (SCI-Expanded)
- XXXII. **A Silent Epidemic of Colistin- and Carbapenem-Resistant Enterobacteriaceae at a Turkish University Hospital**  
Metan G., Ilbay A., Eser O. K., Ünal S., Zarakolu P.  
INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY, vol.38, pp.254-257, 2017 (SCI-Expanded)
- XXXIII. **Reducing the impact of carbapenem-resistant Enterobacteriaceae on vulnerable patient groups: what can be done?**

- METAN G., AKOVA M.  
CURRENT OPINION IN INFECTIOUS DISEASES, vol.29, no.6, pp.555-560, 2016 (SCI-Expanded)
- XXXIV. **The influence of the control group characteristics for the diagnostic performance of 1,3-beta-D-glucan in invasive aspergillosis**  
METAN G., Elmali F.  
JOURNAL DE MYCOLOGIE MEDICALE, vol.26, no.4, pp.408-410, 2016 (SCI-Expanded)
- XXXV. **Surveillance for Ventilator-Associated Pneumonia: Can We Apply Centers for Disease Control and Prevention National Healthcare Safety Network 2013 Definitions for All Settings?**  
METAN G., Zengin H., CINAR B., AYTAC H., Hayran M., ÜNAL S.  
INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY, vol.37, no.9, pp.1125-1127, 2016 (SCI-Expanded)
- XXXVI. **Impact of neuraminidase inhibitors on influenza A(H1N1)pdm09-related pneumonia: an individual participant data meta-analysis**  
Muthuri S. G., Venkatesan S., Myles P. R., Leonardi-Bee J., Lim W. S., Al Mamun A., Anovadiya A. P., Araujo W. N., Azziz-Baumgartner E., Baez C., et al.  
INFLUENZA AND OTHER RESPIRATORY VIRUSES, vol.10, no.3, pp.192-204, 2016 (SCI-Expanded)
- XXXVII. **Bacterial factors influencing the mortality for methicillin-resistant Staphylococcus aureus (MRSA) bacteremia**  
ZARAKOLU P., METAN G., Karahan Z. C., Tekeli A., ÜNAL S.  
INFECTIOUS DISEASES, vol.48, no.8, pp.649-650, 2016 (SCI-Expanded)
- XXXVIII. **Tigecycline for the treatment of Clostridium difficile infection refractory to metronidazole in haematopoietic stem cell transplant recipients**  
Metan G., Ture Z., KAYNAR L., Berk E., GÜRSOY Ş., Alp E., KILIÇ H., ÇETİN M.  
JOURNAL OF CHEMOTHERAPY, vol.27, no.6, pp.354-357, 2015 (SCI-Expanded)
- XXXIX. **Feasibility of a new clinical severity scoring index for Crimean-Congo Hemorrhagic fever\***  
Kalin G., Metan G., Demiraslan H., DOĞANAY M.  
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- XL. **A Single Center Experience for Antifungal Prophylaxis in Patients with Acute Myelogenous Leukemia**  
Metan G., Ture Z., Pala C., KAYNAR L., Yildirim A., Elmali F., TUTAR N., Yozgat N., ESER B.  
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- XLI. **WSES guidelines for management of Clostridium difficile infection in surgical patients**  
Sartelli M., Malangoni M. A., Abu-Zidan F. M., Griffiths E. A., Di Bella S., McFarland L. V., Eltringham I., Shelat V. G., Velmahos G. C., Kelly C. P., et al.  
WORLD JOURNAL OF EMERGENCY SURGERY, vol.10, 2015 (SCI-Expanded)
- XLII. **Saprochaete capitata as an emerging fungus among patients with haematological malignancies**  
Ulu-Kilic A., ATALAY M. A., Metan G., Cevahir F., Koc N., Eser B., ÇETİN M., Kaynar L., Alp E.  
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- XLIII. **Natural cutaneous anthrax infection, but not vaccination, induces a CD4(+) T cell response involving diverse cytokines**  
Ingram R. J., Ascough S., Reynolds C. J., Metan G., DOĞANAY M., Baillie L., Williamson D. E., Robinson J. H., Maillere B., Boyton R. J., et al.  
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- XLIV. **Diagnosis of Invasive Fungal Diseases in Hematological Malignancies: A Critical Review of Evidence and Turkish Expert Opinion (TEO-2)**  
Akdagli S. A., Azap A., Demirkazik F. B., Ener B., Hayran S. A., Kumbasar O. O., Metan G., ODABAŞI Z., UZUN Ö., Akan H.  
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- XLV. **Carbapenem-resistant Klebsiella pneumoniae sepsis in corticosteroid receipt mice: tigecycline or colistin monotherapy versus tigecycline/colistin combination**  
Demiraslan H., DİNÇ G., Ahmed S. S., Elmali F., Metan G., Alp E., DOĞANAY M.  
JOURNAL OF CHEMOTHERAPY, vol.26, no.5, pp.276-281, 2014 (SCI-Expanded)
- XLVI. **Do We Really Need Ribavirin in the Treatment of Crimean-Congo Hemorrhagic Fever?**

- Kalin G., Metan G., Demiraslan H., DOĞANAY M.  
 JOURNAL OF CHEMOTHERAPY, vol.26, no.3, pp.146-149, 2014 (SCI-Expanded)
- XLVII. **Effectiveness of neuraminidase inhibitors in reducing mortality in patients admitted to hospital with influenza A H1N1pdm09 virus infection: a meta-analysis of individual participant data**  
 Muthuri S. G., Venkatesan S., Myles P. R., Leonardi-Bee J., Al Khuwaitir T. S. A., Al Mamun A., Anovadiya A. P., Azziz-Baumgartner E., Baez C., Bassetti M., et al.  
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- XLVIII. **Diarrhea in peripheral stem cell transplant recipients: a developing country's experience**  
 Pala C., KAYNAR L., Buyukoglan R., Kurnaz F., Metan G., Yazar S., Durmaz S., Sakioglu A., Sivgin S., Eser B., et al.  
 JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.8, no.5, pp.635-641, 2014 (SCI-Expanded)
- XLIX. **Anthrax Lethal Factor as an Immune Target in Humans and Transgenic Mice and the Impact of HLA Polymorphism on CD4(+) T Cell Immunity**  
 Ascough S., Ingram R. J., Chu K. K., Reynolds C. J., Musson J. A., DOĞANAY M., Metan G., ÖZKUL Y., Baillie L., Sriskandan S., et al.  
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- L. **Outbreak of postoperative empyema caused by Serratia marcescens in a thoracic surgery unit**  
 Ulu-Kilic A., Parkan O., Ersoy S., Koc D., Percin D., ÖNAL Ö., Metan G., Alp E.  
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- LI. **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.  
 JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.68, pp.25-33, 2013 (SCI-Expanded)
- LII. **Can low-dose preemptive valganciclovir replace standard intravenous ganciclovir treatment in recipients of allogeneic stem cell transplantation?**  
 KAYNAR L., Metan G., GÖKAHMETOĞLU S., Kurnaz F., Mumcuoglu H., ÖZTÜRK A., Sivgin S., Pala C., YILDIZ O., Eser B., et al.  
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- LIII. **Evaluation of Imported Plasmodium falciparum Malaria Cases: The Use of Polymerase Chain Reaction in Diagnosis**  
 Demiraslan H., ERDOĞAN E., Ture Z., Kuk S., Yazar S., Metan G.  
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- LIV. **Invasive pulmonary aspergillosis in patients with chronic obstructive pulmonary disease**  
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- LV. **Invasive pulmonary aspergillosis in patients with chronic obstructive pulmonary diseases**  
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- LVI. **Exposure to anthrax toxin alters human leucocyte expression of anthrax toxin receptor 1**  
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- LVII. **Factors influencing the early mortality in haematological malignancy patients with nosocomial Gram negative bacilli bacteraemia: a retrospective analysis of 154 cases**  
 Metan G., Demiraslan H., Kaynar L. G., ZARARSIZ G., Alp E., Eser B.  
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- LVIII. **Diagnosis of Aspergillus niger Peritonitis in a Peritoneal Dialysis Patient by Peritoneal Galactomannan and beta-D-Glucan Detection**  
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- LIX. **Risk factors influencing mortality related to *Stenotrophomonas maltophilia* infection in hematology-oncology patients**  
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INTERNATIONAL JOURNAL OF HEMATOLOGY, vol.97, no.3, pp.414-420, 2013 (SCI-Expanded)
- LX. **Clonal diversity and high prevalence of OXA-58 among *Acinetobacter baumannii* isolates from blood cultures in a tertiary care centre in Turkey**  
Metan G., Sariguzel F., Sumerkan B., VAN DER REIJDEN T., DIJKSHOORN L.  
INFECTION GENETICS AND EVOLUTION, vol.14, pp.92-97, 2013 (SCI-Expanded)
- LXI. **The interaction between piperacillin-tazobactam and *Aspergillus galactomannan* antigenemia assay: is the story over?**  
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