

Immunology

Transplantation of mesenchymal stem cells for prevention of acute myocardial infarction induced heart failure: Study protocol of a phase III randomized clinical trial Armin Attar, Ahmad Monabati, Moammad Montaseri, Massoud Vosough, Seyed Ali Hosseini, Javad Kojouri , Alireza Abdi-Ardekani, Peuman Izadpanah, Negar Azarpira, Gholamreza Pouladfar, Mani Ramzi Research square

Dynamic alterations and durability of T helper 22 and its corresponding cytokines following treatment in pediatric visceral leishmaniasis Mehdi Kalani , Maral Choopanizadeh , Bahman Pourabbas , Gholamreza Pouladfar , Sadaf Asaee , Erfan Ghanbary Ghalati , Ali Moravej Cytokine . 2021 Aug;144:155579

Comparative study of the immune responses to the HMS-based fusion protein and capsule-based conjugated molecules as vaccine candidates in a mouse model of Staphylococcus aureus systemic infection Khadijeh Ahmadi , Mehdi Hasaniazad , Mehdi Kalani , Sobhan Faezi , Nahid Ahmadi , Maryam Enayatkhani , Mehdi Mahdavi , Gholamreza Pouladfar Microb Pathog . 2021

Decrease in the inflammatory cytokines of LPS-stimulated PBMCs of patients with atherosclerosis by a TLR-4 antagonist in the co-culture with HUVECs Atefe Ghamar Talepoor , Banafsheh Rastegari , Mehdi Kalani , Mehrnoosh Doroudchi. Int Immunopharmacol 2021

Evaluation of the immune response to a multi-epitope vaccine candidate in comparison with HlaH35L, MntC, and SACOL0723 proteins against MRSA infection Khadijeh Ahmadi, Mehdi Hasaniazad, Mehri Habibi, Tayebeh Ghaedi, Soudabeh Kavousipour, Vajihe Sadat Nikbin, Mehdi Kalani, Sobhan Faezi

Association of interleukin-17 A gene variants and susceptibility to H. pylori related gastric diseases Mehdi Kalani, Seyed-Amin Kouhpayeh, Seyedeh Azra Shamsdin, Javad Jamshidi, Maral Choopanizadeh, Gholamhossein Keighobadi, Ali Moravej

The impact of selenium on regulatory T cell frequency and immune checkpoint receptor expression in patients with diffuse large B cell lymphoma (DLBCL) Mehdi Dehghani, Negin Shokrgozar, Mani Ramzi, Mehdi Kalani, Hossein Golmoghaddam , Nargess Arandi Cancer Immunol Immunother . 2021

Memory T cells of patients with abdominal aortic aneurysm differentially expressed micro RNAs 21, 92a, 146a, 155, 326 and 663 in response to Helicobacter pylori and Lactobacillus acidophilus Mehdi Kalani , Hossein Hodjati , Hamed Ghoddusi Johari , Mehrnoosh Doroudchi Mol Immunol . 2021

Quercetin Arrests in G2 phase, Upregulates INXS LncRNA and Downregulates UCA1 LncRNA in MCF-7 Cells Fatemeh Rezaie , Mohammad Javad Mokhtari , Mehdi Kalani Int J Mol Cell Med . 2021

The Immunomodulatory Effect of Radiofrequency Electromagnetic Field on Serum Cytokine Levels in A Mouse Model of Hindlimb Unloading Sima Aghajari , Sayed Mohammad Javad Mortazavi , Mehdi Kalani , Samaneh Nematolahi , Parham Habibzadeh, Shirin Farjadian Cell J . 2021

Microbiology

Bloodstream infection among the patients infected with COVID-19 in a tertiary hospital in Iran Pouladfar, G.. Antimicrobial Resistance and Infection Control 2021.

Toxigenic Clostridium difficile Infection in Children: Performance of Toxin A/B Immunoassay Jalal Mardaneh, Alireza Mohammadzadeh, Saeede Bagheri, Maryam Baniasadi, Masoud Yousefi, Gholamreza Pouladfar, Mojtaba Anvarinejad Crescent Journal of Medical and Biological Sciences 2021

Fecal colonization, phenotypic and genotypic characterization of ESBL-producing Escherichia coli isolates in transplant patients in Shiraz Nemazee and Abu Ali Sina Hospitals Yalda Malekzadegan, Ali Amanati, Abdollah Bazargani, Mani Ramzi, Mohammad Motamedifar Gene Reports 2021

Evaluate the distribution of virulence genes and to investigate antibiotic resistance pattern among Shigella species isolated from children with shigellosis in Iran Samane Mohebi, Hossein hosseini-nave, Kasra Javadi, Ali Amanati Gene Report 2021

Bacteriological Spectrum and Antimicrobial Sensitivity of Pathogens in Children with Hematologic Malignancies and Febrile Neutropenia Research Anahita Sanaei Dashti, Jabarali Safaei , Fariba Shirvani, Mohammad Rahim Kadivar, Erfan Taherifard. Iranian Journal of Pediatrics 2021

Virulence factors, serogroups, and antibiotic resistance of Shiga-toxin producing Escherichia coli from raw beef, chicken meat, and vegetables in Southwest Iran S Kholdi , M Motamedifar , F Fani , S Mohebi , A Bazargani Iran J Vet Res 2021

Bacteriology

Occurrence of Ureaplasma urealyticum in Women in the Northeast of Iran: Characterization of Resistance Trends Jalal Mardaneh, Alireza Mohammadzadeh, Mahdieh Sadat Alavi, Mahdieh Zendehtdel, Narjes Bahri, Mehrnaz Mehraban, Abdollah Ardebili, Gholamreza Pouladfar, Mojtaba Anvarinejad International Journal of Women's Health and Reproduction Science 2021

Occurrence of Klebsiella pneumoniae in Hospitalized Patients in South of Iran (2014-2016): Assessment of Antibiotic Non-susceptibility and Quinolone Resistance Markers Jalal Mardaneh, Hengameh Zandi, Moulud Tajgardoun, Zahra Hosseinzadeh, Gholamreza Pouladfar, Mojtaba Anvarinejad Crescent Journal of Medical and Biological Sciences 2021

Fabrication of Resistive E. coli Biosensor Based on ZnO Nanorods and Nanoparticles Leila Masihzadeh, Zoheir Kordrostami, Bahman Pourabbas Journal of Iranian Association of Electrical and Electronics Engineers 2021 BMC Infectious Diseases

virology

Susceptibility Evaluation of Clinically Isolated HSV-1 Strains to Acyclovir: A Phenotypic and Genotypic Study Nasrin Aliabadi , Marzieh Jamalidoust , Gholamreza Pouladfar , Nahid Heydari Marandi , Atoosa Ziyaeyan , Ali Amanati , Mazyar Ziyaeyan Jundishapur Journal of Microbiology August 30, 2021

Post-Liver Transplant Cytomegalovirus (CMV) Reactivation, Graft, and Patient Survival Rates in Iranian Population JAMALIDOUST MARZIEH ,NAMAYANDEH MANDANA ,POULADFAR GHOLAMREZA , ZIYAHEYAN MAZYAR Scientific Information Database 2021

Serotype-dependent recombinant adeno-associated vector (AAV) infection of Epstein–Barr virus-positive B-cells, towards recombinant AAV-based therapy of focal EBV + lymphoproliferative disorders Elham Ahmadi, Mehrdad Ravanshad, corresponding author Jun Xie, Rajesh Panigrahi, Sandeep S. Jubbal, Santosh Kumar Guru, Gao Guangping, Mazyar Ziyaeyan, and Joyce Fingerth National library of medicine 2021

Neonatal Sepsis as a Risk Factor Associated with Severe COVID-19: A Case Report with Clinical and Imaging Features

khadijehsadat Najib , Mozghan Moghtaderi , Ali Amanati , Mehrdad Rezaei , Negin Namavari Int J Pediatr 2021

Association of COVID-19 Infection and Purpura Fulminans Anahita Sanaei Dashti, Seyed Sina Dehghani, Hossein Moravej, Seyedeh Narjes Abootalebi Archives of Pediatric Infectious Diseases 2021

Assessment of the HScore as a predictor of disease outcome in patients with COVID-19 Mohammadreza Bordbar , Anahita Sanaei Dashti , Ali Amanati , Eslam Shorafa , Yasaman Mansoori , Seyed Javad Dehghani , Hossein Molavi Vardanjani BMC Pulm Med . 2021

Multisystem Inflammatory Syndrome with Features of Atypical Kawasaki Disease during the COVID-19 Pandemic

Reza Shahriarirad , Anahita Sanaei Dashti , Shabnam Hajiani Ghotbabadi Case Rep Pediatr . 2021

A Comparative Analysis of Clinical Characteristics and Laboratory Findings of COVID-19 between Intensive Care Unit and Non-Intensive Care Unit Pediatric Patients: A Multicenter, Retrospective, Observational Study from Iranian Network for Research in Viral Alireza Fahimzad, Iraj Sedighi, Neda Pak, Mitra Khalili, Mohammad Farahmand, Mohammad Reza Shokrollahi, Hosein Heydari, Zahra Movahedi, Anahita Sanaei Dashti,... Research square 2021

Ocular Complication of a Child with Confirmed 2019 Novel Coronavirus Disease: A Case Report Anahita Sanaei Dashti, Zahra Mehdipour Namdar Archives of Pediatric Infectious Diseases 2021

COVID-19 pandemic in the disguise of multi system inflammatory syndrome in children: a case series Anahita Sanaei Dashti, Kamyar Ebrahimi, Reza Shahriarirad, Shabnam Hajiani Ghotbabadi, Shiva Aminnia Research square 2021

Association of Mutations in the NS5A-PKRBD Region and IFNL4 Genotypes with Hepatitis C Interferon Responsiveness and its Functional and Structural Analysis Tayebeh Hashempour, Behzad Dehghani, Zahra Mousavi, Tahereh Akbari, Zahra Hasanshahi, Javad Moayedi, Maryam Yahaghi, and Mohammad Ali Davarpanah Current proteomics 2021

Association of Routine Hepatitis B Vaccination and Other Effective Factors with Hepatitis B Virus Infection: 25 Years Since the Introduction of National Hepatitis B Vaccination in Iran Ali Mohammad Mokhtari , Mohsen Moghadami , Mozghan Seif , Alireza Mirahmadizadeh Iran J Med Sci . 2021

COVID-19 infection among healthcare workers: a cross-sectional study in southwest Iran Golnar Sabetian , Mohsen Moghadami , Leila Hashemizadeh Fard Haghighi , Reza Shahriarirad , Mohammad Javad Fallahi , Naeimehossadat Asmariyan , Yalda Sadat Moeini Virol J . 2021

Crocin Promotes Apoptosis in Human EBV-Transformed B-Lymphocyte via Intrinsic Pathway Abdolreza Sotoodeh Jahromi , Mohammad Kargar , Farshid Kafilzadeh , Marzieh Jamalidoust , Maliheh Moradzadeh Mediterr J Hematol Infect Dis . 2021

Downregulation of hepatitis C virus replication by miR-196a using lentiviral vectors Maryam Shafaati , Marzieh Jamalidoust , Mohammad Kargar , Ehsan Arefian , Farshid Kafilzadeh Microbiol Immunol . 2021

First molecular-based detection of SARS-CoV-2 virus in the field-collected houseflies Aboozar Soltani , Marzieh Jamalidoust , Amin Hosseinpour , Mozaffar Vahedi , Hadi Ashraf , Saeed Yousefinejad Sci Rep . 2021

Human herpesvirus 6 as an indicator of cytomegalovirus infection and its attributable disease symptoms in liver transplant recipients Marzieh Jamalidoust , Nasrin Aliabadi, Mandana Namayandeh, Mazyar Ziyaeyan Exp Clin Transplant . 2021

Prevalence of Hepatitis C Infection and its Genotypes in Suspected Hemodialysis Patients, Southwest of Iran Marzieh Jamalidoust, Maryam Eskandari, Mazyar Ziyaeyan Jundishapur Journal of Microbiology 2021

Mycology

Case Report: Gastrointestinal Basidiobolomycosis with Multi-Organ Involvement Presented with Intussusception Zahra Jafarpour , Gholamreza Pouladfar , Alireza Dehghan , Mohammad Hossein Anbardar , Hamid Reza Foroutan Am J Trop Med Hyg . 2021 Sep 7;105(5)

An infant with acute bloody diarrhea and gastrointestinal basidiobolomycosis: an unusual presentation of a rare disease Mohammad Reza Mousavi , Gholamreza Pouladfar , Erfan Taherifard , Parisa Badiie , Mohammad Hossein Anbardar J Trop Pediatr . 2021 Jul 2

Fatal disseminated infection due to Sarcocladium kiliense in a diabetic patient with COVID-19 Maryam Ranjbar-Mobarake , Jamileh Nowroozi , Parisa Badiie , Sayed Nassereddin Mostafavi , Rasoul Mohammadi Clin Case Rep 2021 Sep

Potential voriconazole associated posterior reversible leukoencephalopathy in children with malignancies: Report of two cases Ali Amanati , Mehrzad Lotfi , Rob Van Manen , Mohammad Ali Faghihi , Majid Yavarian , Omidreza Zekavat , Parisa Badiie , Nazafarin Hatami Mazinani , Haleh Bozorgi J Oncol Pharm Pract . 2021 Mar

Cross-Sectional Study of Candidemia from Isfahan, Iran: Etiologic Agents, Predisposing Factors, and Antifungal Susceptibility Testing Maryam Ranjbar-Mobarake , Jamileh Nowrozi , Parisa Badiie , Sayed Nassereddin Mostafavi , Rasoul Mohammadi J Res Med Sci . 2021 Nov 29

Case reports of invasive mucormycosis associated neutropenic enterocolitis in leukemic children: diagnostic and treatment challenges and review of literature Ali Amanati, Omid Reza Zekavat, Hamidreza Foroutan, Omidreza Azh, Ali Tadayon, Ahmad Monabati, Mohammad Hossein Anbardar & Haleh Bozorgi BMC Infectious Diseases

Impact of antifungal stewardship interventions on the susceptibility of colonized Candida species in pediatric patients with malignancy Ali Amanati , Parisa Badiie , Hadis Jafarian , Fatemeh Ghasemi , Samane Nematolahi , Sezaneh Haghpanah , Seyedeh Sedigheh Hamzavi Sci Rep. 2021 Jul 8

parasitology

Pediatric visceral leishmaniasis: a retrospective study to propose the diagnostic tests algorithm in southern Iran Zahra Rezaei , Bahman Pourabbas , Sadaf Asaei , Vera Kühne , Shima Sepehrpour , Gholamreza Pouladfar , Negin Keihani, Philippe Büscher Parasitol Res . 2021 Apr

Serosurvey and Molecular Detection of Toxoplasma gondii in Dogs in Rural Areas of Kazeroun District, Fars Province, Southern Iran Zahra Rezaei , Ali Zeighami , Reza Shahriarirad , Amirhossein Erfani , Mohammad Rastegarian , Nasir Arefkhah , Bahman Pourabbas , Fariba Ghorbani , Bahador Sarkari J Parasitol Res . 2021 Dec 15

Interleukine-22 gene variants are associated with susceptibility to visceral leishmaniasis Mehdi Kalani , Seyed Reza Shams , Sadaf Namdarnia , Maral Choopanizadeh , Javad Jamshidi , Ali Moravej. Exp Parasitol . 2021 Jul-Aug

Molecular and serological evaluation of zoonotic visceral leishmaniasis in dogs in a rural area of Fars province, southern Iran, as a source of Leishmania infantum infection. Laleh Najafi , Mostafa Omidian , Zahra Rezaei , Saeed Shahabi , Fariba Ghorbani , Nasir Arefkhah , Mehdi Mohebalı , Zabiolla Zareai , Bahador Sarkari Vet Med Sci . 2021 Jul

Comparison of the clinical features and outcome of children with hemophagocytic lymphohistiocytosis (HLH) secondary to visceral leishmaniasis and primary HLH: a single-center study

Hadi Mottaghipisheh , Kurosh Kalantar , Ali Amanati , Mansoureh Shokripour , Mahdi Shahriari , Omid Reza Zekavat , Soheila Zareifar , Mehran Karimi , Sezaneh Haghpanah , Mohammadreza Bordba BMC Infect Dis. 2021 Aug

Seroprevalence of human hydatid cyst: a cross sectional study in a rural areas of Zahedan, southeastern Iran

Samaneh Abdolahi Khabisi , Alireza Salimi Khorashad , Hossein Abbasi Moghaddasi , Zeinab Almasi , Zahra Rezaei , Soudabeh Etemadi Ann Parasitol. 2021

Other

A novel missense mutation (c.516A>T; p.Glu172Asp) in the GALT gene as a cause of classic galactosemia: A case report Mohammad Javad Ghorbani, Hossein Moravej, Anis Amirhakimi, Bita Geramizadeh, Mehdi Kalani, Farzaneh Fallahi Gene Reports 2021

Investigating Adipokine levels in the sera of patients with myocardial infarction in a 6-month follow up Ehsan Dowlatshahi, Shahdad Khosropanah, Mehdi Kalani, Mehrnoosh Dorouchi, Journal of Experimental and Clinical Medicine 2021

Assessment of the HScore as a predictor of disease outcome in patients with COVID-19 Mohammadreza Bordbar , Anahita Sanaei Dashti , Ali Amanati , Eslam Shorafa , Yasaman Mansoori , Seyed Javad Dehghani, Hossein Molavi Vardanjani BMC Pulm Med . 2021

Is Need Chemotherapy Titration During Acute Myeloid Leukemia Treatment? Ali Amanati Journal of Oncology Research Reviews & Reports 2021

Torsion of the Appendix Testis as a Presenting Feature of Multisystemic Inflammatory Syndrome in Children: A Case Report Seyedeh Sedigheh Hamzavi , Dorna Derakhshan , Aida Askari , Hoda Haghshenas , Shabnam Hajjani Ghotbabadi Pediatr Infect Dis J 2021

P.A.C.M.R.C

Alborzi Clinical Microbiology Research Center