

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-144 on COVID-19 and Monkeypox)

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Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	The impact of COVID-19 pandemic on the health services provided by the Cardiothoracic Minia University Hospital in Egypt: a single-center retrospective observational study	https://pubmed.ncbi.nlm.nih.gov/36911366	Egypt

2	The relationship between coping strategies, compassion satisfaction, and compassion fatigue during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/36908330	Egypt, Saudi Arabia
3	Assessment of corneal endothelial cell parameters using specular microscopy in previously infected SARS-CoV-2 patients	https://pubmed.ncbi.nlm.nih.gov/36906646	Egypt
4	Efficacy of therapeutic plasma exchange in patients with severe COVID-19: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/36905184	Egypt
5	Influence of COVID-19 vaccination on the dynamics of new infected cases in the world	https://pubmed.ncbi.nlm.nih.gov/36899583	Egypt, Saudi Arabia, Oman,
6	Earth-friendly-assessed silver-nanoparticles spectrophotometric method for rapid and sensitive analysis of Molnupiravir, an FDA-approved candidate for COVID-19: application on pharmaceutical formulation and dissolution test	https://pubmed.ncbi.nlm.nih.gov/36899439	Egypt
7	A hybrid deep learning approach for COVID-19 detection based on genomic image processing techniques	https://pubmed.ncbi.nlm.nih.gov/36899035	Egypt
8	Virtual clinical pharmacy training in the era of COVID-19: a report on undergraduate students' perceptions and academic performance	https://pubmed.ncbi.nlm.nih.gov/36898889	Egypt
9	State of the art in epitope mapping and opportunities in COVID-19	https://pubmed.ncbi.nlm.nih.gov/36897962	Egypt

10	Acceptance and hesitancy to receive COVID-19 vaccine among university students in Egypt: a nationwide survey	https://pubmed.ncbi.nlm.nih.gov/36895057	Egypt
11	Korupensamine A, but not its atropisomer, korupensamine B, inhibits SARS-CoV-2 <i>in vitro</i> by targeting its main protease (M ^{pro})	https://pubmed.ncbi.nlm.nih.gov/36893625	Egypt
12	Bioactive <i>Azadirachta indica</i> and <i>Melia azedarach</i> leaves extracts with anti-SARS-CoV-2 and antibacterial activities	https://pubmed.ncbi.nlm.nih.gov/36888689	Egypt
13	MicroRNA-155 is a main part of proinflammatory puzzle during severe coronavirus disease 2019 (COVID-19)	https://pubmed.ncbi.nlm.nih.gov/36916095	Iran
14	Dental students' knowledge about protective guidelines for clinical practice during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/36915295	Iran
15	A twisting tale of misinformation: should ivermectin be approved as a treatment for COVID-19 disease?	https://pubmed.ncbi.nlm.nih.gov/36915278	Iran
16	Complicated appendicitis, acute pancreatitis, pleural effusion, and sinus bradycardia in a COVID-19 patient	https://pubmed.ncbi.nlm.nih.gov/36911648	Iran
17	Secondary oxalate nephropathy and impact of high-dose vitamin C intake for COVID-19	https://pubmed.ncbi.nlm.nih.gov/36911630	Iran

	prevention on a patient with Roux-en-Y gastric bypass: a case report		
18	A comprehensive review on various aspects of SARS-CoV-2 (COVID-19) vaccines	https://pubmed.ncbi.nlm.nih.gov/36911005	Iran
19	Potential regulation of NF-κB by curcumin in coronavirus-induced cytokine storm and lung injury	https://pubmed.ncbi.nlm.nih.gov/36911003	Iran
20	The association of opioid use disorder and COVID-19, a longitudinal study	https://pubmed.ncbi.nlm.nih.gov/36910999	Iran
21	COVID-19 and current smoking: worse outcome from a surveillance analysis	https://pubmed.ncbi.nlm.nih.gov/36910998	Iran
22	Tool for the assessment spiritual care after the COVID-19 pandemic: a sequential exploratory study	https://pubmed.ncbi.nlm.nih.gov/36910390	Iran
23	The effect of the COVID-19 pandemic on non-communicable disease prevention and management services in the primary health care system of Iran	https://pubmed.ncbi.nlm.nih.gov/36908938	Iran
24	The future effects of COVID-19 on the health system: applying the futures wheel method	https://pubmed.ncbi.nlm.nih.gov/36908937	Iran
25	Increased insulin resistance due to long COVID is associated with depressive symptoms and partly predicted by the inflammatory response during acute infection	https://pubmed.ncbi.nlm.nih.gov/36917827	Iraq

26	A cross-sectional analysis of the predictors of COVID-19 vaccine uptake and vaccine hesitancy in Iraq	https://pubmed.ncbi.nlm.nih.gov/36893102	Iraq
27	Correlation between Hepcidin and Procalcitonin and their diagnostic role in patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/36883492	Iraq
28	Psychological impacts of transition to distance learning due to COVID-19 on nursing students	https://pubmed.ncbi.nlm.nih.gov/36912457	Jordan
29	Investigating the impact of COVID-19 on patients with cancer from areas of conflict within the MENA region treated at King Hussein Cancer Center	https://pubmed.ncbi.nlm.nih.gov/36910625	Jordan
30	The effect of COVID-19 infection on the menstrual cycle: a cross-sectional investigation in the MENA region	https://pubmed.ncbi.nlm.nih.gov/36908242	Jordan
31	Predictors of COVID-19 vaccine hesitancy among Jordanian older adults	https://pubmed.ncbi.nlm.nih.gov/36879519	Jordan
32	Nationwide study of rates of reinfection with SARS-CoV-2 among adults in Kuwait	https://pubmed.ncbi.nlm.nih.gov/36880496	Kuwait
33	Cognitive function in recovered COVID-19 Lebanese patients with schizophrenia	https://pubmed.ncbi.nlm.nih.gov/36906570	Lebanon

34	Parents' knowledge, attitude, and practices towards COVID-19 in children: a Lebanese cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/36890992	Lebanon
35	Religiosity, stress, and depressive symptoms among nursing and medical students during the middle stage of the COVID-19 pandemic: a cross-sectional study in Morocco	https://pubmed.ncbi.nlm.nih.gov/36911107	Morocco
36	On the implementation of a post-pandemic deep learning algorithm based on a hybrid CT-scan/X-ray images classification applied to pneumonia categories	https://pubmed.ncbi.nlm.nih.gov/36900667	Morocco
37	Efficacy of virtual cognitive behavioral therapy on COVID-19 pandemic related anxiety in a Middle Eastern country: an interventional study	https://pubmed.ncbi.nlm.nih.gov/36908329	Oman
38	Early prone versus supine positioning in moderate to severe coronavirus disease 2019 patients with acute respiratory distress syndrome	https://pubmed.ncbi.nlm.nih.gov/36895639	Oman
39	Burnout in South Asian rheumatologists in the COVID-19 pandemic: an online survey	https://pubmed.ncbi.nlm.nih.gov/36917244	Pakistan
40	Gut microbiota and synbiotic foods: unveiling the relationship in COVID-19 perspective	https://pubmed.ncbi.nlm.nih.gov/36911846	Pakistan, Syria
41	Haematological profile abnormalities; and its relationship with severity and outcome of COVID-19 infection	https://pubmed.ncbi.nlm.nih.gov/36910404	Pakistan

42	Modeling SARS-CoV-2 and HBV co-dynamics with optimal control	https://pubmed.ncbi.nlm.nih.gov/36908694	Pakistan
43	Population-level median cycle threshold (Ct) values for asymptomatic COVID-19 cases can predict the trajectory of future cases	https://pubmed.ncbi.nlm.nih.gov/36893098	Pakistan
44	Self-medication during the era of COVID-19; potential implications for drug policy makers and pharmacovigilance	https://pubmed.ncbi.nlm.nih.gov/36883267	Pakistan, Saudi Arabia
45	Invasive pulmonary aspergillosis in critically ill patients with pneumonia due to COVID-19, influenza, and community-acquired pneumonia: a prospective observational study	https://pubmed.ncbi.nlm.nih.gov/36654789	Pakistan
46	Demographic factors, conspiracy theories, and beliefs associated with COVID-19 vaccine hesitancy among Pakistani population: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/36654559	Pakistan
47	Clinical characteristics and outcomes of coronavirus disease 2019 infection of in-center hemodialysis patients: an experience of a dialysis center from Pakistan	https://pubmed.ncbi.nlm.nih.gov/36647975	Pakistan
48	Utility of Roche Elecsys anti-SARS-CoV-2 S in ascertaining post-vaccine neutralizing antibodies	https://pubmed.ncbi.nlm.nih.gov/36644775	Pakistan

49	Effectiveness of the pre-Omicron COVID-19 vaccines against Omicron in reducing infection, hospitalization, severity, and mortality compared to Delta and other variants: a systematic review	https://pubmed.ncbi.nlm.nih.gov/36915960	Qatar
50	Long-term COVID-19 booster effectiveness by infection history and clinical vulnerability and immune imprinting: a retrospective population-based cohort study	https://pubmed.ncbi.nlm.nih.gov/36913963	Qatar
51	Neurological manifestations and clinical outcomes of patients with COVID-19 in the Aseer Region, Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/36900860	Saudi Arabia, Egypt
52	Physician's burnout during the COVID-19 pandemic: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/36901612	Saudi Arabia, Iran, Egypt
53	Stability of a delayed SARS-CoV-2 reactivation model with logistic growth and adaptive immune response	https://pubmed.ncbi.nlm.nih.gov/36909816	Saudi Arabia, Egypt
54	Exploration of potent antiviral phytochemicals from Lauraceae family plants against SARS-CoV-2 RNA-dependent RNA polymerase	https://pubmed.ncbi.nlm.nih.gov/36883874	Saudi Arabia, Pakistan
55	The level of countries' preparedness to health risks during COVID-19 and pre-pandemic: the differential response to health systems building blocks and socioeconomic indicators	https://pubmed.ncbi.nlm.nih.gov/36917372	Saudi Arabia

56	Emergence of post COVID-19 vaccine autoimmune diseases: a single center study	https://pubmed.ncbi.nlm.nih.gov/36910517	Saudi Arabia
57	Psychological impact and stress factors among Ha'il medical students post COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/36909697	Saudi Arabia
58	Long-term psychological effects of the COVID-19 pandemic: anxiety and depression among physicians in a tertiary referral hospital	https://pubmed.ncbi.nlm.nih.gov/36909007	Saudi Arabia
59	Pattern of self-reported adverse events related to COVID-19 vaccines in Saudi Arabia: a nationwide study	https://pubmed.ncbi.nlm.nih.gov/36908451	Saudi Arabia
60	Exploration of sex and age-based associations in clinical characteristics, predictors of severity, and duration of stay among COVID-19 patients at the university hospital of Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/36900756	Saudi Arabia
61	Associated factors with adherence to preventive behaviors related to COVID-19 among medical students in the university of Monastir, Tunisia	https://pubmed.ncbi.nlm.nih.gov/36917588	Tunisia
62	Positive myositis-specific autoantibodies during COVID-19: a case report	https://pubmed.ncbi.nlm.nih.gov/36915412	Tunisia
63	Clinical and epidemiological features of COVID-19-related deaths in Tunisia before the emergence of VOCs (March 2020-February 2021)	https://pubmed.ncbi.nlm.nih.gov/36879635	Tunisia

64	Liver injury associated with COVID-19 infection: pathogenesis, histopathology, prognosis, and treatment	https://pubmed.ncbi.nlm.nih.gov/36902854	United Arab Emirates, Egypt
65	The relationship between coping and distress among faculty members and students during COVID-19 pandemic lockdown: the moderating effect of gender	https://pubmed.ncbi.nlm.nih.gov/36911133	United Arab Emirates
Monkeypox Articles			
1	Inborn errors of immunity and worries during the monkeypox outbreak	https://pubmed.ncbi.nlm.nih.gov/36890628	Iran
2	When a neglected tropical zoonotic disease emerges in non-endemic countries: need to proactively fill the unveiled knowledge gaps towards human monkeypox among the Lebanese population	https://pubmed.ncbi.nlm.nih.gov/36882801	Lebanon
3	Monkeypox: a rising health concern in Pakistan and wake-up call for government	https://pubmed.ncbi.nlm.nih.gov/36883431	Pakistan

Websites to get Coronavirus updates/reports



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graph TD; A[Websites to get Coronavirus updates/reports] --> B[Potential recombination between SARS-CoV-2 and MERS-CoV]; A --> C[Autoantibodies against chemokines linked with better disease outcomes in COVID-19]; A --> D[Repurposing metabolic drugs for COVID-19]
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[Potential recombination between SARS-CoV-2 and MERS-CoV](#)

[Autoantibodies against chemokines linked with better disease outcomes in COVID-19](#)

[Repurposing metabolic drugs for COVID-19](#)

Note: You may click on each of the circles to get access to data.

New Findings

[Innovative approach opens the door to COVID nanobody therapies](#)

The relatively simple and low-cost procedure could empower laboratories in low-resource areas to generate nanobodies against SARS-CoV-2, as well as other viruses.

[COVID-19 pandemic has long-lasting effects on adolescent mental health and substance use](#)

The COVID-19 pandemic has had a long-lasting impact on adolescent mental health and substance use, according to a new population-based study based on survey responses from a sample of over 64,000 13- to 18-year-olds assessed prior to and up to two years into the pandemic.

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