

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-110 on COVID-19)

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Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	Post-vaccination outcomes in association with four COVID-19 vaccines in the Kingdom of Bahrain	https://pubmed.ncbi.nlm.nih.gov/35654940	Bahrain
2	Transchromosomal bovines (TcB)-derived broadly neutralizing antibodies as potent biotherapeutics to counter important emerging viral pathogens with a special focus on SARS-	https://pubmed.ncbi.nlm.nih.gov/35655326	Egypt, Afghanistan

CoV-2, MERS-CoV, Ebola, Zika, HIV-1 and
Influenza A virus

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|-----------|---|---|---------------------|
| 3 | Prospective medicinal plants and their phytochemicals shielding autoimmune and cancer patients against the SARS-CoV-2 pandemic: a special focus on Matcha | https://pubmed.ncbi.nlm.nih.gov/35664773 | Egypt |
| 4 | Sleep quality and anxiety among Egyptian population during COVID-19 pandemic | https://pubmed.ncbi.nlm.nih.gov/35662958 | Egypt |
| 5 | Prevalence of severe acute respiratory syndrome coronavirus 2 spike antibodies in some healthcare settings in Egypt | https://pubmed.ncbi.nlm.nih.gov/35661933 | Egypt, Saudi Arabia |
| 6 | Hospitals early challenges and interventions combatting COVID-19 in the Eastern Mediterranean Region | https://pubmed.ncbi.nlm.nih.gov/35657795 | Egypt |
| 7 | Vitamins and minerals: a means for surviving the COVID-19 pandemic or just a myth? | https://pubmed.ncbi.nlm.nih.gov/35656948 | Egypt |
| 8 | Partial-methylated HeyL promoter predicts the severe illness in Egyptian COVID-19 patients | https://pubmed.ncbi.nlm.nih.gov/35655915 | Egypt |
| 9 | Impact of COVID-19 pandemic on patients with rheumatic and musculoskeletal diseases: disruptions in care and self-reported outcomes | https://pubmed.ncbi.nlm.nih.gov/35647269 | Egypt |
| 10 | Outcome of percutaneous drainage for septic complications coexisted with COVID-19 | https://pubmed.ncbi.nlm.nih.gov/35646292 | Egypt |

11	Early forecasting of COVID-19 case progression with hematological and biochemical parameters of patients in Egypt	https://pubmed.ncbi.nlm.nih.gov/35642394	Egypt
12	Cutaneous manifestations of coronavirus disease 2019: skin narratives and dialogues	https://pubmed.ncbi.nlm.nih.gov/35642227	Egypt, Saudi Arabia
13	Seeking antiviral drugs to inhibit SARS-CoV-2 RNA dependent RNA polymerase: a molecular docking analysis	https://pubmed.ncbi.nlm.nih.gov/35639751	Egypt
14	Clinical competency and psychological empowerment among ICU nurses caring for COVID-19 patients: a cross-sectional survey study	https://pubmed.ncbi.nlm.nih.gov/35666638	Iran
15	Active ageing and self-care in COVID-19	https://pubmed.ncbi.nlm.nih.gov/35666042	Iran
16	Gastrointestinal viral shedding in children with SARS-CoV-2: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/35665477	Iran
17	COVID-19 and intestinal ischemia: a multicenter case series	https://pubmed.ncbi.nlm.nih.gov/35665342	Iran
18	Severe acute respiratory syndrome coronavirus 2 infection: Role of interleukin-6 and the inflammatory cascade	https://pubmed.ncbi.nlm.nih.gov/35665236	Iran
19	Changes in self-care behaviors of Iranian patients with type 2 diabetes using insulin pens during COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35664969	Iran

20	Air pollution and COVID-19 mortality and hospitalization: an ecological study in Iran	https://pubmed.ncbi.nlm.nih.gov/35664828	Iran
21	Importance of pre-operative COVID-19 screening test in elective surgeries	https://pubmed.ncbi.nlm.nih.gov/35664710	Iran
22	Design of an artificial neural network to predict mortality among COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35664686	Iran
23	Molecular and clinical investigation of COVID-19: from pathogenesis and immune responses to novel diagnosis and treatment	https://pubmed.ncbi.nlm.nih.gov/35664675	Iran
24	The potential involvement of SARS-CoV-2 in the immuno-pathogenesis of a type A aortic dissection case	https://pubmed.ncbi.nlm.nih.gov/35664515	Iran
25	Self-sacrifice in a distressful and threatening environment: the consequences of the COVID-19 crisis in intensifying workplace violence	https://pubmed.ncbi.nlm.nih.gov/35664478	Iran
26	Vinpocetine is the forthcoming adjuvant agent in the management of COVID-19	https://pubmed.ncbi.nlm.nih.gov/35662743	Iraq, Egypt
27	Global reports of myocarditis following COVID-19 vaccination: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/35660931	Iraq, United Arab Emirates
28	Misdiagnosis of COVID-19 infection before molecular confirmation in Sulaimaniyah City, Iraq	https://pubmed.ncbi.nlm.nih.gov/35659786	Iraq

29	Monitoring the skin biophysical parameters among coronavirus patients for three days in a row: a preliminary study	https://pubmed.ncbi.nlm.nih.gov/35646198	Iraq
30	Can fetal heart lie? intrapartum CTG changes in COVID-19 mothers	https://pubmed.ncbi.nlm.nih.gov/35634476	Iraq
31	Impact of COVID-19 pandemic on the Jordanian eating and nutritional habits	https://pubmed.ncbi.nlm.nih.gov/35663456	Jordan, Oman, United Arab Emirates
32	Physical activity to ameliorate the negative mental health effects of COVID-19-induced confinement	https://pubmed.ncbi.nlm.nih.gov/35637899	Jordan, United Arab Emirates
33	Physiotherapists' knowledge, perception, and attitude regarding COVID-19 and infection control: an online cross-sectional survey in Jordan	https://pubmed.ncbi.nlm.nih.gov/35634834	Jordan
34	Neurodevelopmental outcomes of infants born to mothers with SARS-CoV-2 infections during pregnancy: a national prospective study in Kuwait	https://pubmed.ncbi.nlm.nih.gov/35637442	Kuwait, Qatar
35	Evaluating the governance and preparedness of the Lebanese health system for the COVID-19 pandemic: a qualitative study	https://pubmed.ncbi.nlm.nih.gov/35649616	Lebanon
36	Testing different COVID-19 vaccination strategies using an agent-based modeling approach	https://pubmed.ncbi.nlm.nih.gov/35637643	Lebanon

37	Communication during COVID area: the impact of creating a new communication center	https://pubmed.ncbi.nlm.nih.gov/35637886	Morocco
38	Fractal fractional operator for COVID-19 (Omicron) variant outbreak with analysis and modeling	https://pubmed.ncbi.nlm.nih.gov/35664990	Pakistan
39	Efficacy and safety of molnupiravir for COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35649740	Pakistan
40	Physical activity, dietary habits and factors associated with depression among medical students of Sindh, Pakistan, during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35642191	Pakistan
41	Depression and anxiety among Pakistani healthcare workers amid COVID-19 pandemic: a qualitative study	https://pubmed.ncbi.nlm.nih.gov/35637853	Pakistan
42	Effect of COVID-19 on lipid profile parameters and its correlation with acute phase reactants: a single-center retrospective analysis	https://pubmed.ncbi.nlm.nih.gov/35637852	Pakistan
43	Safe protocol of resuming routine dental procedures in a tertiary care hospital setting post COVID-19 lockdown	https://pubmed.ncbi.nlm.nih.gov/35634835	Pakistan, Saudi Arabia
44	Spectrum of HRCT scan chest findings in COVID-19 patients as categorized by modified CO-RADS classification	https://pubmed.ncbi.nlm.nih.gov/35634641	Pakistan

45	Frequency and risk factors for acute kidney injury in patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/35634634	Pakistan
46	Sustained ethical analysis of global dilemmas and country-level decision making during and post the COVID-19 pandemic: a systematic review	https://pubmed.ncbi.nlm.nih.gov/35634626	Pakistan
47	Ethical dilemmas in the management of head and neck cancers in the era of the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35634234	Pakistan
48	Dilemma of Tocilizumab therapy for a patient with critical COVID-19 disease and neutropenia: case report and review of the literature	https://pubmed.ncbi.nlm.nih.gov/35664523	Qatar
49	Duration of mRNA vaccine protection against SARS-CoV-2 Omicron BA.1 and BA.2 subvariants in Qatar	https://pubmed.ncbi.nlm.nih.gov/35654888	Qatar
50	Effects of BA.1/BA.2 subvariant, vaccination, and prior infection on infectiousness of SARS-CoV-2 omicron infections	https://pubmed.ncbi.nlm.nih.gov/35639932	Qatar
51	Immunomodulatory and anti-inflammatory effects of berberine in lung tissue and its potential application in prophylaxis and treatment of COVID-19	https://pubmed.ncbi.nlm.nih.gov/35638433	Qatar, United Arab Emirates
52	Resurgence of mucormycosis during COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35634238	Qatar

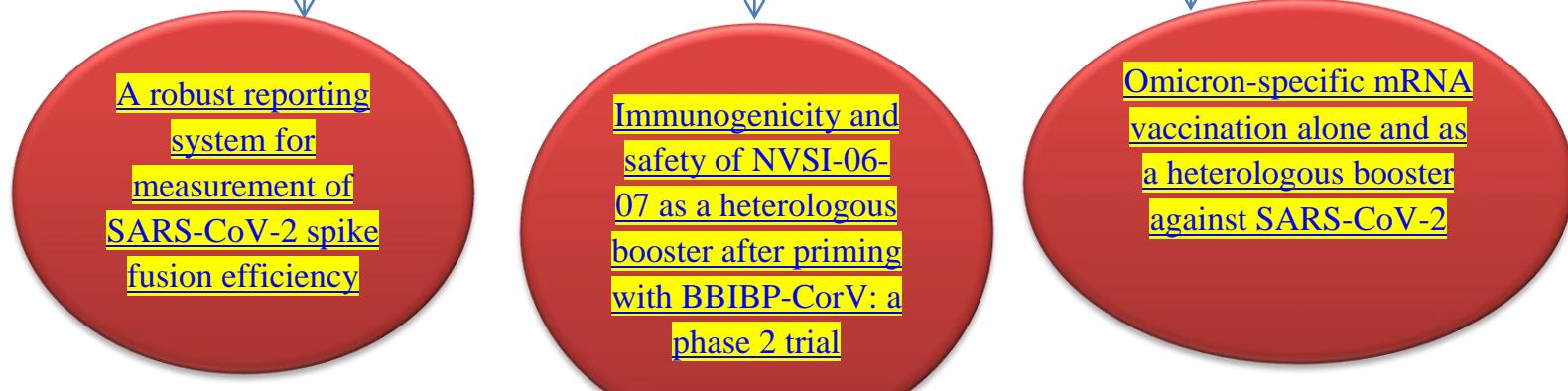
53	Impact of dexamethasone and tocilizumab on hematological parameters in COVID-19 patients with chronic disease	https://pubmed.ncbi.nlm.nih.gov/35659421	Saudi Arabia, Egypt
54	Liver and gastrointestinal involvement in patients with COVID-19: a retrospective study	https://pubmed.ncbi.nlm.nih.gov/35664387	Saudi Arabia
55	Epidemiological characteristics, clinical course, and laboratory investigation of pediatric COVID-19 patients in a tertiary care center in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35664238	Saudi Arabia
56	Encapsulation of MERS antigen into α -GalCer-bearing-liposomes elicits stronger effector and memory immune responses in immunocompetent and leukopenic mice	https://pubmed.ncbi.nlm.nih.gov/35663348	Saudi Arabia
57	Clinical characteristics and co-morbidities among patients admitted with COVID-19	https://pubmed.ncbi.nlm.nih.gov/35663125	Saudi Arabia
58	Trends in emergency department visits for mental health disorder diagnoses before and during the COVID-19 pandemic: a retrospective cohort study 2018-2021	https://pubmed.ncbi.nlm.nih.gov/35659204	Saudi Arabia
59	Statins and risk of thrombosis in critically ill patients with COVID-19: a multicenter cohort study	https://pubmed.ncbi.nlm.nih.gov/35658686	Saudi Arabia
60	Characteristics of mechanically ventilated COVID-19 patients in the Al-Ahsa Region of	https://pubmed.ncbi.nlm.nih.gov/35658584	Saudi Arabia

Saudi Arabia: a retrospective study with survival analysis

61	Psychological distress reported by healthcare workers in Saudi Arabia during the COVID-19 pandemic: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35657938	Saudi Arabia
62	Psychological impact of the COVID-19 pandemic on dental hygiene students in Saudi Arabia: a nation-wide study	https://pubmed.ncbi.nlm.nih.gov/35656682	Saudi Arabia
63	Peritoneal effusion as unusual complication post COVID 19 infection	https://pubmed.ncbi.nlm.nih.gov/35663120	Syria, Sudan
64	New-onset guttate psoriasis following coronavirus disease 2019 vaccination : about 2 cases	https://pubmed.ncbi.nlm.nih.gov/35657288	Tunisia
65	Reactive arthritis occurring after COVID-19 infection: a narrative review	https://pubmed.ncbi.nlm.nih.gov/35655110	Tunisia
66	Sulodexide significantly improves endothelial dysfunction and alleviates chest pain and palpitations in patients with long-COVID-19: insights from TUN-EndCOV study	https://pubmed.ncbi.nlm.nih.gov/35647070	Tunisia
67	The psychological distress and COVID-19 pandemic during lockdown: a cross-sectional study from United Arab Emirates (UAE)	https://pubmed.ncbi.nlm.nih.gov/35647360	United Arab Emirates, United Arab Emirates

68	N6-acetyl-L-lysine and p-cresol as key metabolites in the pathogenesis of COVID-19 in obese patients	https://pubmed.ncbi.nlm.nih.gov/35663953	United Arab Emirates, Saudi Arabia
69	Inter-hospital transfer of a pregnant prone patient with COVID-19 as a bridge to ECMO	https://pubmed.ncbi.nlm.nih.gov/35663219	United Arab Emirates

Websites to get Coronavirus updates/reports



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

New Findings

[Research reveals impact of loneliness on COVID-19 vaccine antibody response](#)

A new study reveals that loneliness and social stresses can have a negative impact on our antibody response to COVID-19 vaccines. Researchers have found that lower neighborhood cohesion is associated with antibody response to COVID-19 vaccines.

[Asymptomatic COVID-19 could still cause pregnancy risks, study finds](#)

A new study finds that asymptomatic COVID-19 infection during pregnancy could still have potential long-term consequences for a developing baby. The research shows that COVID-19 infection in pregnant mothers who were asymptomatic or had mild symptoms still triggered immune responses causing inflammation in the placenta.

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