

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-104 on COVID-19)

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Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	Safety and immunogenicity of COVID-19 BBIBP-CorV vaccine in children 3-12 years old	https://pubmed.ncbi.nlm.nih.gov/35455335	Bahrain
2	COVID-19 vaccine acceptance and perceptions among dental teaching staff of a governmental university in Egypt	https://pubmed.ncbi.nlm.nih.gov/35451644	Egypt

3	Efficacy of Sofosbuvir plus Ledipasvir in Egyptian patients with COVID-19 compared to standard treatment: a randomized controlled trial	https://pubmed.ncbi.nlm.nih.gov/35449996	Egypt
4	The emerging era of interventional imaging in rheumatology: an overview during the coronavirus disease-2019 (COVID-19) pandemic	https://pubmed.ncbi.nlm.nih.gov/35449707	Egypt
5	Trimetazidine and COVID-19-induced acute cardiac injury: a missed key	https://pubmed.ncbi.nlm.nih.gov/35449348	Egypt, Iraq
6	Immunoinformatics approach of epitope prediction for SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/35441904	Egypt
7	Inflammatory biomarkers and severity of COVID-19: cross sectional study among Egyptian patients	https://pubmed.ncbi.nlm.nih.gov/35436059	Egypt
8	Pooled-testing for SARS-CoV-2 reverse transcription polymerase chain reaction (RT-PCR) in asymptomatic healthcare workers in EL-Raghy isolation COVID-19 hospital, Assiut University	https://pubmed.ncbi.nlm.nih.gov/35436056	Egypt
9	Neutrophil to lymphocytic ratio and other inflammatory markers as adverse outcome predictor in hospitalized COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35436055	Egypt

10	Polymorphism in promotor region of IL6 gene as a predictor for severity in COVID -19 patients	https://pubmed.ncbi.nlm.nih.gov/35436049	Egypt
11	Proactive innovation in a prolonged conflict setting: facing COVID-19 in a specialized cancer hospital in Palestine	https://pubmed.ncbi.nlm.nih.gov/35433608	Egypt
12	Technology facilitated sexual violence: a comparative study between working and non-working females in Egypt before and during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35433051	Egypt
13	Assessment of specific human antibodies against recombinant SARS-CoV-2 receptor binding domain by rapid in-house ELISA	https://pubmed.ncbi.nlm.nih.gov/35431235	Egypt
14	Evaluation of the relationship between IL-6 gene single nucleotide polymorphisms and the severity of COVID-19 in an Iranian population	https://pubmed.ncbi.nlm.nih.gov/35461173	Iran
15	SARS-CoV-2 triggering autoimmune diseases	https://pubmed.ncbi.nlm.nih.gov/35461172	Iran
16	Oxidative stress and inflammatory status in COVID-19 outpatients: a health center-based analytical cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35453291	Iran
17	A survey on the correlation between PM _{2.5} concentration and the incidence of suspected and positive cases of COVID-19 referred to medical centers: a case study of Tehran	https://pubmed.ncbi.nlm.nih.gov/35452646	Iran

18	Epigenetic-related effects of COVID-19 on the human cells	https://pubmed.ncbi.nlm.nih.gov/35450534	Iran
19	Rectus sheath hematoma in COVID-19 patient: the importance of abdominal pain in the course of COVID-19	https://pubmed.ncbi.nlm.nih.gov/35449777	Iran
20	Morphea in two patients after being infected to and being vaccinated against SARS-CoV-2 infection	https://pubmed.ncbi.nlm.nih.gov/35449768	Iran
21	Psychiatric training program during the COVID-19 pandemic: an experience in Iran	https://pubmed.ncbi.nlm.nih.gov/35447537	Iran
22	COVID-19 and acute kidney injury: a systematic review	https://pubmed.ncbi.nlm.nih.gov/35445048	Iran
23	Efficacy and safety of Sinopharm vaccine for SARS-CoV-2 and breakthrough infections in Iranian patients with hemoglobinopathies: a preliminary report	https://pubmed.ncbi.nlm.nih.gov/35444764	Iran
24	The role of immune regulatory molecules in COVID-19	https://pubmed.ncbi.nlm.nih.gov/35443826	Iran
25	Hematologic evaluation of children with COVID-19 infection: mortality biomarkers	https://pubmed.ncbi.nlm.nih.gov/35443600	Iran
26	Conjunctivitis as initial presenting symptom in a COVID-19 patient	https://pubmed.ncbi.nlm.nih.gov/35450593	Iraq, United Arab Emirates

27	Serum levels of C-reactive protein and ferritin in COVID-19 patients infected with <i>Toxoplasma gondii</i>	https://pubmed.ncbi.nlm.nih.gov/35439407	Iraq
28	Randomized controlled trial of colchicine add on to the standard therapy in moderate and severe coronavirus disease-19 infection	https://pubmed.ncbi.nlm.nih.gov/35432984	Iraq
29	Post SARS-CoV-2 Guillain-Barré syndrome in a child: case report and review of the literature	https://pubmed.ncbi.nlm.nih.gov/35461356	Jordan
30	The prevalence and impact of coinfection and superinfection on the severity and outcome of COVID-19 infection: an updated literature review	https://pubmed.ncbi.nlm.nih.gov/35456120	Jordan
31	Short-term and long-term COVID-19 pandemic forecasting revisited with the emergence of Omicron variant in Jordan	https://pubmed.ncbi.nlm.nih.gov/35455319	Jordan
32	Assessment of COVID-19 molecular testing capacity in Jordan: a cross-sectional study at the country level	https://pubmed.ncbi.nlm.nih.gov/35453957	Jordan
33	Workplace violence among healthcare providers during the COVID-19 health emergency: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35447678	Jordan
34	Kinase inhibitors as potential therapeutic agents in the treatment of COVID-19	https://pubmed.ncbi.nlm.nih.gov/35444538	Jordan

35	Herpes zoster in the era of COVID 19: a prospective observational study to probe the association of herpes zoster with COVID 19 infection and vaccination	https://pubmed.ncbi.nlm.nih.gov/35434963	Kuwait
36	Exploring the performance of responsible companies in G20 during the COVID-19 outbreak	https://pubmed.ncbi.nlm.nih.gov/35440858	Lebanon
37	Factors predictive of anti-spike antibody titers after COVID-19 vaccination in hemodialysis patients	https://pubmed.ncbi.nlm.nih.gov/35438849	Lebanon
38	Myelin oligodendrocyte glycoprotein associated disorder following SARS-CoV-2 vaccination	https://pubmed.ncbi.nlm.nih.gov/35459457	Morocco
39	An etiology of ground - glass images during COVID-19: <i>Pneumocystis jiroveci</i> pneumonia	https://pubmed.ncbi.nlm.nih.gov/35449529	Morocco
40	Well-being assessment in medical students since the COVID-19 pandemic: a mixed method study	https://pubmed.ncbi.nlm.nih.gov/35434150	Morocco
41	Site injection reaction, maculopapular rash, and rosacea exacerbation after COVID-19 vaccination	https://pubmed.ncbi.nlm.nih.gov/35433058	Morocco
42	Mental health among the Moroccan population during SARS-CoV-2 outbreak: MAROCOVID study	https://pubmed.ncbi.nlm.nih.gov/35429534	Morocco

43	Inhibitory immune checkpoint receptors and ligands as prognostic biomarkers in COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35432324	Oman
44	The side effects and adverse clinical cases reported after COVID-19 immunization	https://pubmed.ncbi.nlm.nih.gov/35455237	Pakistan
45	Outcomes of COVID-19 infection in patients with hematological malignancies- a multicenter analysis from Pakistan	https://pubmed.ncbi.nlm.nih.gov/35446898	Pakistan
46	Inactivated COVID-19 vaccine triggering hemophagocytic lymphohistiocytosis in an immunocompetent adult - a case report	https://pubmed.ncbi.nlm.nih.gov/35445160	Pakistan
47	Telemedicine for rheumatology patients in COVID-19 pandemic: perspectives of patients	https://pubmed.ncbi.nlm.nih.gov/35441090	Pakistan
48	Anakinra treatment efficacy in reduction of inflammatory biomarkers in COVID-19 patients: a meta-analysis	https://pubmed.ncbi.nlm.nih.gov/35435272	Pakistan
49	Coronavirus disease 2019 pandemic effects on overseas Pakistanis particularly residing in China, Saudi Arabia and United Kingdom	https://pubmed.ncbi.nlm.nih.gov/35433626	Pakistan, Saudi Arabia
50	Nationwide assessment of knowledge and perception in reinforcing telemedicine in the age of COVID-19 among medical students from Pakistan	https://pubmed.ncbi.nlm.nih.gov/35433610	Pakistan

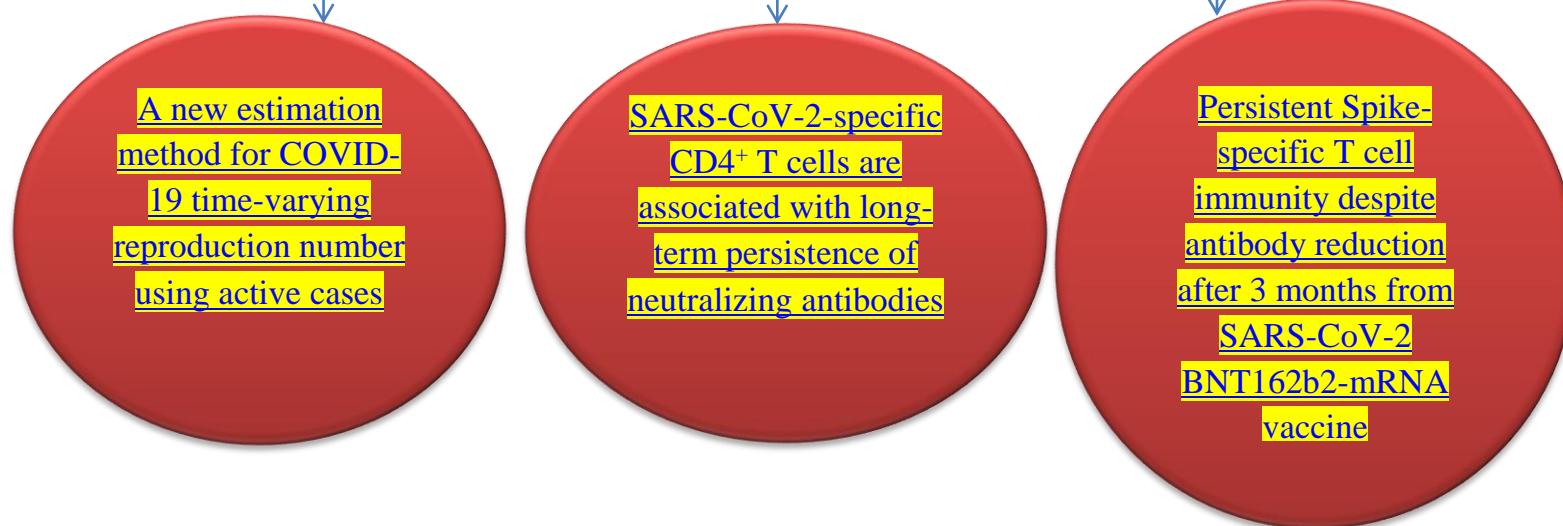
51	Emergency airway management in COVID-19 patients and risk to healthcare workers: a low-middle income country data from the intubate COVID registry	https://pubmed.ncbi.nlm.nih.gov/35431739	Pakistan
52	Epidemiological, clinical, and radiological comparison of adult and pediatric features in COVID-19: a scoping review	https://pubmed.ncbi.nlm.nih.gov/35320183	Pakistan
53	Effect of Remdesivir on mortality and length of stay in hospitalized COVID-19 patients: a single center study	https://pubmed.ncbi.nlm.nih.gov/35310809	Pakistan
54	QUCoughScope: an intelligent application to detect COVID-19 patients using cough and breath sounds	https://pubmed.ncbi.nlm.nih.gov/35453968	Qatar
55	Myocarditis following COVID-19 mRNA (mRNA-1273) vaccination	https://pubmed.ncbi.nlm.nih.gov/35449778	Qatar
56	Acute neurological manifestations of COVID-19 patients from three tertiary care hospitals in Qatar	https://pubmed.ncbi.nlm.nih.gov/35433146	Qatar
57	A portable nanoprobe for rapid and sensitive detection of SARS-CoV-2 S1 protein	https://pubmed.ncbi.nlm.nih.gov/35448292	Saudi Arabia, Jordan
58	Antiviral efficacy of selected natural phytochemicals against SARS-CoV-2 spike glycoprotein using structure-based drug designing	https://pubmed.ncbi.nlm.nih.gov/35458599	Saudi Arabia, Tunisia

59	Breastfeeding experience among mothers during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35457403	Saudi Arabia
60	Knowledge and attitudes of medical students toward COVID-19 vaccine in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35455290	Saudi Arabia
61	The concern of COVID-19 vaccine safety is behind its low uptake among patients with diabetes mellitus in Sudan	https://pubmed.ncbi.nlm.nih.gov/35455276	Saudi Arabia, Sudan
62	Side effects of mixing vaccines against COVID-19 infection among Saudi population	https://pubmed.ncbi.nlm.nih.gov/35455268	Saudi Arabia
63	Hemi-Babim and Fenoterol as potential inhibitors of MPro and papain-like protease against SARS-CoV-2: an <i>in-silico</i> study	https://pubmed.ncbi.nlm.nih.gov/35454354	Saudi Arabia
64	Rapid and reliable detection of SARS-CoV-2 using direct RT-LAMP	https://pubmed.ncbi.nlm.nih.gov/35453876	Saudi Arabia
65	Expression, purification, and biophysical characterization of recombinant MERS-CoV main (M^{pro}) protease	https://pubmed.ncbi.nlm.nih.gov/35452699	Saudi Arabia
66	Blood utilization and quality indicators at a university hospital in the eastern province of Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35452477	Saudi Arabia
67	Evaluation of the electronic Early Warning and Response Network (EWARN) system in Somalia, 2017-2020	https://pubmed.ncbi.nlm.nih.gov/35429985	Somalia, Egypt

68	SARS-CoV-2 antibody prevalence and population-based death rates, greater Omdurman, Sudan	https://pubmed.ncbi.nlm.nih.gov/35450565	Sudan
69	Influence of COVID-19 on lymphocyte and platelet parameters among patients admitted to intensive care unit and emergency	https://pubmed.ncbi.nlm.nih.gov/35442473	Sudan
70	Evaluation of individual and combined NLR, LMR and CLR ratio for prognosis disease severity and outcomes in patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/35461157	Tunisia
71	COVID-19 in Tunisia (North Africa): seroprevalence of SARS-CoV-2 in the general population of the capital city Tunis	https://pubmed.ncbi.nlm.nih.gov/35454019	Tunisia
72	Can SARS-CoV-2 infection trigger rheumatoid arthritis? a case report	https://pubmed.ncbi.nlm.nih.gov/35449774	Tunisia
73	A rare case of grave's disease after SARS-CoV-2 vaccine: is it an adjuvant effect?	https://pubmed.ncbi.nlm.nih.gov/35442478	Tunisia
74	Erythema nodosum induced by COVID-19 Pfizer-BioNTech mRNA vaccine: a case report and brief literature review	https://pubmed.ncbi.nlm.nih.gov/35434826	Tunisia
75	Synthesis and molecular docking and of new 1,2,3-triazole carbohydrates with COVID-19 proteins	https://pubmed.ncbi.nlm.nih.gov/35430994	Tunisia, Saudi Arabia, Egypt

76	Antiviral used among non-severe COVID-19 cases in relation to time till viral clearance: a retrospective cohort study	https://pubmed.ncbi.nlm.nih.gov/35453248	United Arab Emirates, Egypt
77	Burnout and cardiovascular risk in healthcare professionals during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35444572	United Arab Emirates, Jordan
78	SEM-ANN-based approach to understanding students' academic-performance adoption of YouTube for learning during COVID	https://pubmed.ncbi.nlm.nih.gov/35434400	United Arab Emirates, Jordan
79	Profiling levels of serum microRNAs and soluble ACE2 in COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35455065	United Arab Emirates, Saudi Arabia
80	Outdoor activity in the daytime, but not the nighttime, predicts better mental health status during the COVID-19 curfew in the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/35444992	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

[COVID-19 can directly infect and damage human kidney cells](#)

Researchers showed that SARS-CoV-2 can infect kidney cells via multiple binding sites and hijack the cell's machinery to replicate, causing injury and COVID-19-associated kidney disease.

[Some cases of long COVID-19 may be caused by an abnormally suppressed immune system, research suggests](#)

Researchers studying the effect of the monoclonal antibody Leronlimab on long COVID-19 may have found a surprising clue to the baffling syndrome, one that contradicts their initial hypothesis. An abnormally suppressed immune system may be to blame, not a persistently hyperactive one as they had suspected.

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