

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-109 on COVID-19)

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Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	Poor healthcare capacity in Afghanistan amidst a surge in COVID-19 cases and a humanitarian crisis	https://pubmed.ncbi.nlm.nih.gov/35618475	Afghanistan, Pakistan
2	The effect of child malnourishment on measles spread amidst the COVID-19 pandemic in Afghanistan	https://pubmed.ncbi.nlm.nih.gov/35600180	Afghanistan, Pakistan

3	Rhamnolipid nano-micelles versus alcohol-based hand sanitizer: a comparative study for antibacterial activity against hospital-acquired infections and toxicity concerns	https://pubmed.ncbi.nlm.nih.gov/35625249	Egypt
4	Laboratory biomarker predictors for disease progression and outcome among Egyptian COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35622504	Egypt, Saudi Arabia
5	Prevalence and predictors of persistent symptoms after clearance of SARS-CoV-2 infection: a multicenter study from Egypt	https://pubmed.ncbi.nlm.nih.gov/35619736	Egypt
6	Impact of COVID-19 on digestive system: prevalence, clinical characteristics, outcome, and relation to the severity of COVID-19	https://pubmed.ncbi.nlm.nih.gov/35615724	Egypt
7	Utility of monocyte expression of HLA-DR versus T lymphocyte frequency in the assessment of COVID-19 outcome	https://pubmed.ncbi.nlm.nih.gov/35615469	Egypt
8	Hyperviscosity syndrome in COVID-19 and related vaccines: exploring of uncertainties	https://pubmed.ncbi.nlm.nih.gov/35608715	Egypt, Iraq
9	Thiazole-based SARS-CoV-2 protease (COV M ^{pro}) inhibitors: design, synthesis, enzyme inhibition, and molecular modeling simulations	https://pubmed.ncbi.nlm.nih.gov/35607750	Egypt
10	Immune-mediated adverse events post-COVID vaccination and types of vaccines: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/35607386	Egypt

11	Antimicrobial peptides: features, applications and the potential use against COVID-19	https://pubmed.ncbi.nlm.nih.gov/35606604	Egypt
12	Impact of COVID-19 on cardiothoracic surgery: experience of Alexandria (Egypt) main university hospital	https://pubmed.ncbi.nlm.nih.gov/35605219	Egypt
13	Investigation of a COVID-19 outbreak in a university cardio-thoracic hospital in Cairo: exploration of the risk to healthcare workers and patients	https://pubmed.ncbi.nlm.nih.gov/35603255	Egypt
14	A cautionary note on altered pace of aging in the COVID-19 era	https://pubmed.ncbi.nlm.nih.gov/35598567	Egypt
15	Acceptance or rejection of the COVID-19 vaccine: a study on Iranian people's opinions toward the COVID-19 vaccine	https://pubmed.ncbi.nlm.nih.gov/35632426	Iran
16	The importance of nutritional status on clinical outcomes among both ICU and non-ICU patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/35623817	Iran
17	Is there any association between plasma lipid profile and severity of COVID-19?	https://pubmed.ncbi.nlm.nih.gov/35623812	Iran
18	The role of cytokines and their antagonists in the treatment of COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/35621229	Iran
19	Gender differences in concerns, stress levels and behavior changes in dental academics in Iran	https://pubmed.ncbi.nlm.nih.gov/35621034	Iran

	during the COVID-19 pandemic: a cross-sectional study		
20	Prognostic significance of CHADS ₂ and CHA ₂ DS ₂ -VASC scores to predict unfavorable outcomes in hospitalized patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/35620746	Iran
21	Hematologic malignancies and COVID-19 infection: a monocenter retrospective study	https://pubmed.ncbi.nlm.nih.gov/35620550	Iran
22	COVID-19 mortality and its predictors in the elderly: a systematic review	https://pubmed.ncbi.nlm.nih.gov/35620541	Iran
23	The information-seeking behavior of medical sciences students toward COVID-19 in mass and social media: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35620539	Iran
24	Bilateral central retinal vein occlusion and Stevens-Johnson syndrome associated with coronavirus-19: a case report	https://pubmed.ncbi.nlm.nih.gov/35620362	Iran
25	New-onset myasthenia gravis after novel coronavirus 2019 infection	https://pubmed.ncbi.nlm.nih.gov/35620352	Iran
26	Epidemiological study of COVID-19 in Iran and the world: a review study	https://pubmed.ncbi.nlm.nih.gov/35619250	Iran
27	Stress levels regarding COVID-19 pandemic among nursing students at University of Sulaimani, Kurdistan Region, Iraq	https://pubmed.ncbi.nlm.nih.gov/35633352	Iraq

28	Correlation between RS6265 SNP in BDNF and the context of diabetes type II involvement in Iraqi patients	https://pubmed.ncbi.nlm.nih.gov/35633348	Iraq
29	Evaluation of COVID-19 vaccines efficacy in Iraqi people	https://pubmed.ncbi.nlm.nih.gov/35633320	Iraq
30	COVID-19 disease and associated thrombocytopenia: pathogenesis and a clue to the etiology	https://pubmed.ncbi.nlm.nih.gov/35626194	Iraq
31	Association of ABO blood group with in-hospital adverse outcome and long term persistent symptoms of COVID-19 infection: a single-center longitudinal observational study	https://pubmed.ncbi.nlm.nih.gov/35620543	Iraq
32	Recent update of COVID-19 vaccines	https://pubmed.ncbi.nlm.nih.gov/35620327	Iraq
33	High prevalence of an alpha variant lineage with a premature stop codon in ORF7a in Iraq, winter 2020-2021	https://pubmed.ncbi.nlm.nih.gov/35617193	Iraq
34	Virtual coaching delivered by pharmacists to prevent COVID-19 transmission	https://pubmed.ncbi.nlm.nih.gov/35601726	Jordan, United Arab Emirates, Saudi Arabia, Egypt
35	SARS-CoV-2 antinucleocapsid antibody response of mRNA and inactivated virus vaccines compared to unvaccinated individuals	https://pubmed.ncbi.nlm.nih.gov/35632399	Jordan
36	Comparison of the immunogenicity and protective efficacy of various SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/35632398	Jordan

vaccines among healthcare workers: are our white coat armies protected?

37	Conception preferences during COVID-19 pandemic lockdowns	https://pubmed.ncbi.nlm.nih.gov/35621441	Jordan
38	Chest radiograph severity scores, comorbidity prevalence, and outcomes of patients with coronavirus disease treated at the King Abdullah University Hospital in Jordan: a retrospective study	https://pubmed.ncbi.nlm.nih.gov/35620646	Jordan,
39	Effect of COVID-19 pandemic on presentation and referral patterns of newly diagnosed children with type 1 diabetes in a developing country	https://pubmed.ncbi.nlm.nih.gov/35607289	Jordan
40	The first detection of <i>Pneumocystis jirovecii</i> in asthmatic patients post COVID-19 in Jordan	https://pubmed.ncbi.nlm.nih.gov/35603769	Jordan
41	The pediatric COVID-19 registry in Kuwait (PCR-Q8): methodology and results of pilot phase	https://pubmed.ncbi.nlm.nih.gov/35598599	Kuwait
42	Lebanese SARS-CoV-2 genomics: 24 months of the pandemic	https://pubmed.ncbi.nlm.nih.gov/35605880	Lebanon
43	COVID-19 and <i>C. auris</i> : a case-control study from a tertiary care center in Lebanon	https://pubmed.ncbi.nlm.nih.gov/35630454	Lebanon
44	Factors associated with coronavirus disease 2019 infection severity among a sample of	https://pubmed.ncbi.nlm.nih.gov/35620538	Lebanon, Saudi Arabia

Lebanese adults: data from a cross-sectional study

- 45** Bilateral multifocal central serous retinopathy following mRNA COVID-19 vaccine <https://pubmed.ncbi.nlm.nih.gov/35599048> Lebanon
- 46** Prevalence and determinants of SARS-CoV-2 neutralizing antibodies in Lebanon <https://pubmed.ncbi.nlm.nih.gov/35597809> Lebanon, United Arab Emirates
- 47** Factors associated with COVID-19 vaccine acceptance in morocco: applying the health belief model <https://pubmed.ncbi.nlm.nih.gov/35632540> Morocco
- 48** Isolated severe rhabdomyolysis revealing COVID-19: case report <https://pubmed.ncbi.nlm.nih.gov/35619684> Morocco
- 49** Prevalence, characteristics and risk factors in a Moroccan cohort of long-COVID-19 <https://pubmed.ncbi.nlm.nih.gov/35614173> Morocco
- 50** Complete remission of primary cutaneous follicle center cell lymphoma associated with COVID-19 vaccine <https://pubmed.ncbi.nlm.nih.gov/35603449> Morocco
- 51** Effect of COVID-19 lockdown on Moroccan patients with type 1 and type 2 diabetes <https://pubmed.ncbi.nlm.nih.gov/35601474> Morocco
- 52** Clinical features, laboratory characteristics and risk factors for mortality of COVID-19 patients in a secondary hospital in Oman during the first wave of the SARS-CoV-2 pandemic <https://pubmed.ncbi.nlm.nih.gov/35601475> Oman
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53	Nanomaterials-based sensors for the detection of COVID-19: a review	https://pubmed.ncbi.nlm.nih.gov/35599642	Oman, Iran
54	Neutralizing antibody response to BBIBP-CorV in comparison with COVID-19 recovered, unvaccinated individuals in a sample of the Pakistani population	https://pubmed.ncbi.nlm.nih.gov/35632448	Pakistan
55	Analyses of public attention and sentiments towards different COVID-19 vaccines using data mining techniques	https://pubmed.ncbi.nlm.nih.gov/35632417	Pakistan, Saudi Arabia
56	Role of COVID-19 pandemic in the academic life and well-being of private sector university students: an exploratory qualitative study	https://pubmed.ncbi.nlm.nih.gov/35618336	Pakistan
57	Virtual reality - a means to train surgeons of tomorrow amidst COVID-19	https://pubmed.ncbi.nlm.nih.gov/35614633	Pakistan
58	Emerging cases of rabies amidst COVID-19 in Pakistan: a new threat?	https://pubmed.ncbi.nlm.nih.gov/35614631	Pakistan
59	The incidence of Mucormycosis superinfection: a challenge to current COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35614630	Pakistan
60	Is the hygiene hypothesis a plausible explanation for the asymmetry in COVID-19 mortality?	https://pubmed.ncbi.nlm.nih.gov/35614629	Pakistan
61	Association between COVID-19 preventive behavioral changes and anxiety in Karachi, Pakistan: a cross-sectional pilot study	https://pubmed.ncbi.nlm.nih.gov/35611114	Pakistan, Iran

62	Miller Fisher syndrome after COVID-19 vaccination: case report and review of literature	https://pubmed.ncbi.nlm.nih.gov/35608434	Pakistan, Qatar
63	BNT162b2 vaccine considerations for immunocompromised individuals: a global perspective	https://pubmed.ncbi.nlm.nih.gov/35603097	Pakistan
64	SARS-CoV-2 polymerase chain reaction positivity rates among evacuees from Afghanistan after withdrawal of the coalition forces	https://pubmed.ncbi.nlm.nih.gov/35604692	Qatar
65	Erythema multiforme as a presentation of COVID-19: case illustrated format	https://pubmed.ncbi.nlm.nih.gov/35611052	Qatar
66	Characteristics and obstetric outcomes in women with autoimmune rheumatic disease during the COVID-19 pandemic in Qatar	https://pubmed.ncbi.nlm.nih.gov/35611042	Qatar
67	Variations in respiratory syncytial virus activity following the relaxation of COVID-19 restrictions in Qatar	https://pubmed.ncbi.nlm.nih.gov/35608003	Qatar
68	The association between tobacco use and COVID-19 in Qatar	https://pubmed.ncbi.nlm.nih.gov/35607613	Qatar
69	Predictors of mortality and morbidity in critically ill COVID-19 patients: an experience from a low mortality country	https://pubmed.ncbi.nlm.nih.gov/35601034	Qatar

70	Insights into the antimicrobial, antioxidant, anti-SARS-CoV-2 and cytotoxic activities of <i>Pistacia lentiscus</i> bark and phytochemical profile; <i>in silico</i> and <i>in vitro</i> study	https://pubmed.ncbi.nlm.nih.gov/35624793	Saudi Arabia, Egypt
71	The psychological impact of quarantine during the COVID-19 pandemic on quarantined non-healthcare workers, quarantined healthcare workers, and medical staff at the quarantine facility in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35607383	Saudi Arabia, Egypt
72	Awareness regarding COVID-19 and its effects on mental health among pre-professional health sciences students at King Saud bin Abdulaziz University for health sciences in Riyadh and Jeddah, Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35624363	Saudi Arabia, Pakistan
73	In-person schooling amidst children's COVID-19 vaccination: exploring parental perceptions just after Omicron variant announcement	https://pubmed.ncbi.nlm.nih.gov/35632524	Saudi Arabia, United Arab Emirates
74	Omicron variant receptor-binding domain phylogenetics and molecular dynamics	https://pubmed.ncbi.nlm.nih.gov/35605487	Saudi Arabia, Egypt
75	Selective COVID-19 coinfections in diabetic patients with concomitant cardiovascular comorbidities are associated with increased mortality	https://pubmed.ncbi.nlm.nih.gov/35631029	Saudi Arabia
76	Psychological health and diabetes self-management among patients with type 2	https://pubmed.ncbi.nlm.nih.gov/35630093	Saudi Arabia

diabetes during COVID-19 in the southwest of
Saudi Arabia

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|-----------|---|---|--------------|
| 77 | Impact of COVID-19 on kidney of diabetic patients | https://pubmed.ncbi.nlm.nih.gov/35630061 | Saudi Arabia |
| 78 | Predictors of poor outcome among critically ill COVID-19 patients: a nationally representative sample of the Saudi Arabian population | https://pubmed.ncbi.nlm.nih.gov/35628942 | Saudi Arabia |
| 79 | Public knowledge, beliefs and attitudes toward the COVID-19 vaccine in Saudi Arabia: a cross-sectional study | https://pubmed.ncbi.nlm.nih.gov/35627990 | Saudi Arabia |
| 80 | Comparison between D-dimer levels in diabetic and non-diabetic positive COVID-19 adult patients: a hospital-based study | https://pubmed.ncbi.nlm.nih.gov/35614558 | Sudan |
| 81 | Clinical characteristics and prognosis of COVID-19 patients in Syria: a cross-sectional multicenter study | https://pubmed.ncbi.nlm.nih.gov/35620045 | Syria |
| 82 | A case of total ophthalmoplegia associated with a COVID-19 infection: case report | https://pubmed.ncbi.nlm.nih.gov/35619686 | Syria |
| 83 | SARS-CoV-2 lineage A.27: new data from African countries and dynamics in the context of the COVID-19 pandemic | https://pubmed.ncbi.nlm.nih.gov/35632749 | Tunisia |
| 84 | Urticarial vasculitis triggered by SARS-CoV-2 vaccine (mRNA vaccine) | https://pubmed.ncbi.nlm.nih.gov/35604050 | Tunisia |
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85	Is intussusception in an adult with active COVID-19 infection a surprise?	https://pubmed.ncbi.nlm.nih.gov/35601750	Tunisia
86	Dynamic governance of the first wave of COVID-19 in Tunisia: an interoperability analysis	https://pubmed.ncbi.nlm.nih.gov/35601471	Tunisia
87	Older adults' satisfaction with telemedicine during the COVID-19 pandemic: a systematic review	https://pubmed.ncbi.nlm.nih.gov/35613380	United Arab Emirates
88	Vaccine side effects following COVID-19 vaccination among the residents of the UAE-an observational study	https://pubmed.ncbi.nlm.nih.gov/35602146	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

Some people fared better than others during COVID-19 pandemic due to genetics

Everyone has been impacted by the COVID-19 pandemic, but a new study finds that some individuals weathered the stress of the pandemic better than others, in part, due to their genetics.

Population-scale study highlights ongoing risk of COVID-19 in some cancer patients despite vaccination

A study has found that while COVID-19 vaccination is effective in most cancer patients, the level of protection against COVID-19 infection, hospitalization and death offered by the vaccine is less than in the general population and vaccine effectiveness wanes more quickly.

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