Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-89 on COVID-19)

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Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	A reliable and efficient tracking system based on deep learning for monitoring the spread of COVID-19 in closed areas	https://pubmed.ncbi.nlm.nih.gov/34948549	Egypt
2	Chemical composition of the Red Sea green algae <i>Ulva lactuca</i> : Isolation and <i>in silico</i> studies of new anti-COVID-19 ceramides	https://pubmed.ncbi.nlm.nih.gov/34940574	Egypt, Saudi Arabia

3	Knowledge and perceived effectiveness of infection prevention and control measures among health care workers during the COVID-19 pandemic: a national survey	https://pubmed.ncbi.nlm.nih.gov/34935733	Egypt, Qatar
4	Consensus meeting report "technology enhanced assessment" in COVID-19 time, MENA regional experiences and reflections	https://pubmed.ncbi.nlm.nih.gov/34934380	Egypt, Saudi Arabia
5	Characteristics and risk factors of persistent neuropathic pain in recovered COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/34931670	Egypt
6	Emergence, evolution, and vaccine production approaches of SARS-CoV-2 virus: benefits of getting vaccinated and common questions	https://pubmed.ncbi.nlm.nih.gov/34924802	Egypt, Saudi Arabia, Pakistan
7	Sleep in post-COVID-19 recovery period and its impact on different domains of quality of life	https://pubmed.ncbi.nlm.nih.gov/34924750	Egypt, Saudi Arabia
8	Lichen planus and Lichen planopilaris flare after COVID-19 vaccination	https://pubmed.ncbi.nlm.nih.gov/34953018	Iran
9	Immunological effects of convalescent plasma therapy for coronavirus: a scoping review	https://pubmed.ncbi.nlm.nih.gov/34952570	Iran
10	The relationship between anxiety, stress, spiritual health, and mindfulness among patients undergoing hemodialysis: a survey during the COVID-19 outbreak in Southeast Iran	https://pubmed.ncbi.nlm.nih.gov/34938901	Iran

11	Revitalization of primary health care governance: an important pillar for the tangible management of COVID-19	https://pubmed.ncbi.nlm.nih.gov/34937642	Iran
12	Identifying data elements and key features of a mobile-based self-care application for patients with COVID-19 in Iran	https://pubmed.ncbi.nlm.nih.gov/34936526	Iran
13	COVID-19 immunopathology with emphasis on Th17 response and cell-based immunomodulation therapy: potential targets and challenges	https://pubmed.ncbi.nlm.nih.gov/34936112	Iran
14	Turnover intention among operating room nurses during the COVID-19 outbreak and its association with perceived safety climate	https://pubmed.ncbi.nlm.nih.gov/34934827	Iran
15	Impact of COVID-19 acute respiratory disease on the risk factors attributed to cancer patients	https://pubmed.ncbi.nlm.nih.gov/34934636	Iran
16	Ruled out of preeclampsia-like syndrome due to COVID-19: a case study	https://pubmed.ncbi.nlm.nih.gov/34934502	Iran
17	Association between awareness, perceived severity, and behavioral control of COVID -19 with self-care and anxiety in pregnancy: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/34933664	Iran
18	Hemostatic system (fibrinogen level, D-dimer, and FDP) in severe and non-severe patients with COVID-19: a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/34933579	Iran

19	Clinical features, risk factors and a prediction model for in-hospital mortality among diabetic patients infected with COVID-19: data from a referral center in Iran	https://pubmed.ncbi.nlm.nih.gov/34933204	Iran
20	Epicatechin is a promising novel inhibitor of SARS-CoV-2 entry by disrupting interactions between angiotensin-converting enzyme type 2 and the viral receptor binding domain: a computational/simulation study	https://pubmed.ncbi.nlm.nih.gov/34942397	Iraq
21	Serum troponin, D-dimer, and CRP level in severe coronavirus (COVID-19) patients	https://pubmed.ncbi.nlm.nih.gov/34939346	Iraq
22	The commitment of Nineveh Governorate residents to the precautionary measures against global 2019 pandemic and dermatological affection of precautions	https://pubmed.ncbi.nlm.nih.gov/34938363	Iraq
23	Remote learning during COVID-19 lockdown: a study on anatomy and histology education for pharmacy students in Jordan	https://pubmed.ncbi.nlm.nih.gov/34951117	Jordan
24	Waste management of used personal protective equipment during the COVID-19 pandemic in the Eastern Mediterranean Region	https://pubmed.ncbi.nlm.nih.gov/34927705	Jordan
25	Nutrition management in COVID-19 quarantine: hospital-based study	https://pubmed.ncbi.nlm.nih.gov/34924092	Jordan, Qatar

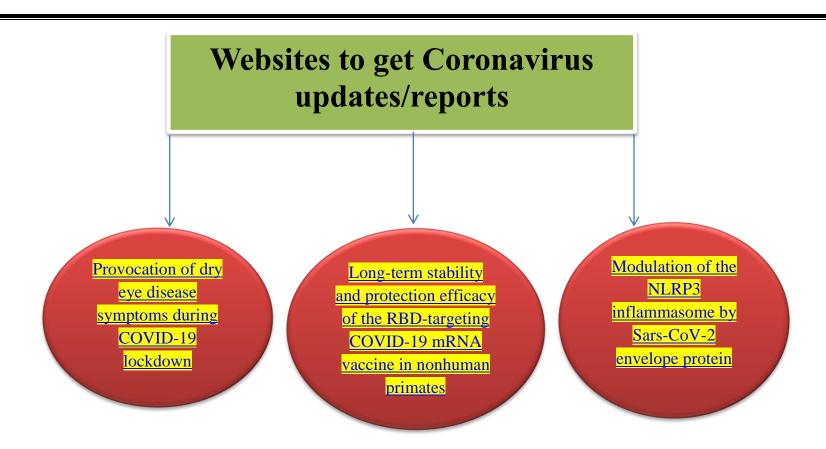
26	Determinants of hesitancy towards COVID-19 vaccines in state of Kuwait: an exploratory internet-based survey	https://pubmed.ncbi.nlm.nih.gov/34934372	Kuwait, Egypt
27	Effectiveness of BNT162b2 and ChAdOx1 vaccines against symptomatic COVID-19 among healthcare workers in Kuwait: a retrospective cohort study	https://pubmed.ncbi.nlm.nih.gov/34946418	Kuwait, Egypt
28	Chitosan nanoparticles for antiviral drug delivery: a novel route for COVID-19 treatment	https://pubmed.ncbi.nlm.nih.gov/34949922	Kuwait
29	Kuwaiti hospital patients' continuance intention to use telemedical systems in the wake of the COVID19 pandemic	https://pubmed.ncbi.nlm.nih.gov/34938572	Kuwait
30	Previous COVID-19 infection and antibody levels after vaccination	https://pubmed.ncbi.nlm.nih.gov/34926392	Kuwait
31	Prevalence and risk factors of burnout among Lebanese community pharmacists in the era of COVID-19 pandemic: results from the first national cross-sectional survey	https://pubmed.ncbi.nlm.nih.gov/34952654	Lebanon
32	Attitudes towards COVID-19 vaccine: a survey of health care workers in Oman	https://pubmed.ncbi.nlm.nih.gov/34928489	Oman
33	Long term impact on lung function of patients with moderate and severe COVID-19. a prospective cohort study	https://pubmed.ncbi.nlm.nih.gov/34950621	Pakistan

34	Genomic epidemiology of SARS-CoV-2 divulge B.1, B.1.36, and B.1.1.7 as the most dominant lineages in first, second, and third wave of SARS-CoV-2 infections in Pakistan	https://pubmed.ncbi.nlm.nih.gov/34946210	Pakistan
35	Comparison of low-versus high-dose steroids in the clinical outcome of hospitalized COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/34943722	Pakistan, Saudi Arabia
36	Assessing the knowledge and skill of vaccination staff at adult vaccination counters for COVID-19 vaccines: simulated client method	https://pubmed.ncbi.nlm.nih.gov/34941905	Pakistan
37	Knowledge management process, knowledge based innovation: does academic researcher's productivity mediate during the pandemic of COVID-19?	https://pubmed.ncbi.nlm.nih.gov/34937055	Pakistan, Saudi Arabia
38	Effect of chloroquine and hydroxychloroquine on cytokine release syndrome in patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/34933950	Pakistan
39	Biopsychosocial-spiritual model of COVID-19 for healthcare practitioners amidst and post-COVID-19	https://pubmed.ncbi.nlm.nih.gov/34928916	Pakistan
40	Adapting the ethical review process for COVID-19 research: reviewers' perspectives from Pakistan	https://pubmed.ncbi.nlm.nih.gov/34927707	Pakistan

41	Doctors dealing with COVID-19 in Pakistan: experiences, perceptions, fear, and responsibility	https://pubmed.ncbi.nlm.nih.gov/34926360	Pakistan
42	Psychological and clinical predictors of COVID-19 severity and outcomes	https://pubmed.ncbi.nlm.nih.gov/34926030	Pakistan
43	The emergence of new SARS-CoV-2 variant (Omicron) and increasing calls for COVID-19 vaccine boosters-the debate continues	https://pubmed.ncbi.nlm.nih.gov/34942376	Qatar
44	Systemic inflammation in COVID-19 patients may induce various types of venous and arterial thrombosis: a systematic review	https://pubmed.ncbi.nlm.nih.gov/34940978	Qatar
45	Corpus callosum hematoma, as a rare complication of COVID-19	https://pubmed.ncbi.nlm.nih.gov/34938554	Qatar
46	Severity of illness in persons infected with the SARS-CoV-2 Delta variant vs Beta variant in Qatar	https://pubmed.ncbi.nlm.nih.gov/34935861	Qatar
47	Prevalence of depression and anxiety among male patients with COVID-19 in Lebsayyer Field Hospital, Qatar	https://pubmed.ncbi.nlm.nih.gov/34926191	Qatar
48	Undergraduate health sciences students' response regarding COVID-19 pandemic in Saudi Arabia: an observational study	https://pubmed.ncbi.nlm.nih.gov/34933641	Saudi Arabia, Egypt

49	COVID-19 intelligence-driven operational response platform: experience of a large tertiary multihospital system in the Middle East	https://pubmed.ncbi.nlm.nih.gov/34943520	Saudi Arabia, Jordan
50	Psychological impact of the COVID-19 pandemic on students, assistants, and faculty of a dental institute of Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/34948975	Saudi Arabia, Pakistan
51	Evaluating the influence of COVID-19 among dental practitioners after lockdown	https://pubmed.ncbi.nlm.nih.gov/34928738	Saudi Arabia, Pakistan
52	From epidemic to pandemic: comparing hospital staff emotional experience between MERS and COVID-19	https://pubmed.ncbi.nlm.nih.gov/34933949	Saudi Arabia, Pakistan
53	Insights into the binding of receptor-binding domain (RBD) of SARS-CoV-2 wild type and B.1.620 variant with hACE2 using molecular docking and simulation approaches	https://pubmed.ncbi.nlm.nih.gov/34943225	Saudi Arabia
54	Postmortem findings in COVID-19 fatalities: a systematic review of current evidence	https://pubmed.ncbi.nlm.nih.gov/34952452	Saudi Arabia
55	Acceptability of the COVID-19 vaccine among patients with chronic rheumatic diseases and health-care professionals: a cross-sectional study in 19 Arab countries	https://pubmed.ncbi.nlm.nih.gov/34927089	Saudi Arabia, Morocco, Iraq, Egypt, Jordan, Kuwait, Tunisia, Lebanon
56	The effect of curfew on the general mental well-being of the population in Saudi Arabia after the COVID-19 outbreak	https://pubmed.ncbi.nlm.nih.gov/34950561	Saudi Arabia

57	Response of Saudi population to strict preventive measures against COVID-19	https://pubmed.ncbi.nlm.nih.gov/34949030	Saudi Arabia
58	Awareness and perception of COVID-19 among final-year dental students, Sudan	https://pubmed.ncbi.nlm.nih.gov/34934655	Sudan
59	Unique SARS-CoV-2 variant exhibiting plenteous missense mutations in structural and nonstructural genes	https://pubmed.ncbi.nlm.nih.gov/34924640	Sudan, Saudi Arabia
60	COVID-19 and random prescription of antibiotics in Syria	https://pubmed.ncbi.nlm.nih.gov/34934492	Syria
61	Effectiveness of an online positive psychology intervention among Tunisian healthcare students on mental health and study engagement during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/34939332	Tunisia
62	Experiencing the unprecedented COVID-19 lockdown: Abu Dhabi older adults' challenges and concerns	https://pubmed.ncbi.nlm.nih.gov/34949034	United Arab Emirates
63	Medication adherence in type 2 diabetes mellitus patients during COVID-19 pandemic: a cross-sectional study from the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/34925767	United Arab Emirates



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

New Findings

SARS-CoV-2 spreads through cell-to-cell transmission, study finds

The virus that causes COVID-19 has adopted some stealth moves to stay alive and kicking, and one secret to its success is hiding from the immune system by spreading through cell-to-cell transmission, a new study has found.

Immune memory less durable after severe COVID-19, study suggests

Patients recovering from severe COVID-19 may have a more dysfunctional B cell response than patients who had less-severe COVID-19, a new study suggests.

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