

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-34 on Covid-19)

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Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	Early responses to COVID-19 in Afghanistan	https://pubmed.ncbi.nlm.nih.gov/33355382	Afghanistan, Egypt
2	COVID-19 pandemic in Djibouti: epidemiology and the response strategy followed to contain the virus during the first two months, 17 March	https://pubmed.ncbi.nlm.nih.gov/33351802	Djibouti

to 16 May 2020

3	COVID-19 crisis effect on HIV service delivery in Egypt: hard times or blessings in disguise?	https://pubmed.ncbi.nlm.nih.gov/33354367	Egypt
4	A clinical review of COVID-19; pathogenesis, diagnosis, and management	https://pubmed.ncbi.nlm.nih.gov/33355050	Egypt
5	Polyphenols are potential nutritional adjuvants for targeting COVID-19	https://pubmed.ncbi.nlm.nih.gov/33354848	Egypt, United Arab Emirates
6	Stay home: role of physical exercise training in elderly individuals' ability to face the COVID-19 infection	https://pubmed.ncbi.nlm.nih.gov/33354578	Egypt, Saudi Arabia
7	COVID-19 caseness: an epidemiologic perspective	https://pubmed.ncbi.nlm.nih.gov/33352377	Egypt
8	Prevalence, associated factors, and consequences of burnout among Egyptian physicians during COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33344401	Egypt
9	Could injured skin be a reservoir for SARS-CoV-2 virus spread?	https://pubmed.ncbi.nlm.nih.gov/33341211	Egypt
10	Bioactivity potential of marine natural products from scleractinia-associated microbes and in	https://pubmed.ncbi.nlm.nih.gov/33339096	Egypt

silico anti-SARS-COV-2 evaluation

11	COVID-19-related stigmatization among a sample of Egyptian healthcare workers	https://pubmed.ncbi.nlm.nih.gov/33338064	Egypt
12	COVID-19 mortality in transplant recipients	https://pubmed.ncbi.nlm.nih.gov/33335696	Egypt
13	The Persian COVID stress scales (Persian-CSS) and COVID-19-related stress reactions in patients with obsessive-compulsive and anxiety disorders	https://pubmed.ncbi.nlm.nih.gov/33354499	Iran
14	The role of biomaterials and three dimensional (3D) <i>in vitro</i> tissue models in fighting against COVID-19	https://pubmed.ncbi.nlm.nih.gov/33355542	Iran
15	Why is COVID-19 more deadly among physicians than other healthcare workers in the Islamic Republic of Iran?	https://pubmed.ncbi.nlm.nih.gov/33355381	Iran
16	The economic effects of COVID-19 on the hospital industry in Iran and the world	https://pubmed.ncbi.nlm.nih.gov/33354700	Iran
17	Dementia and COVID-19: complications of managing a pandemic during another pandemic	https://pubmed.ncbi.nlm.nih.gov/33354300	Iran
18	New insight into laboratory tests and imaging modalities for fast and accurate diagnosis of COVID-19: alternative suggestions for routine	https://pubmed.ncbi.nlm.nih.gov/33354252	Iran

RT-PCR and CT-A literature review

19	Covid-19: lessons from hospital preparedness for radiation accidents	https://pubmed.ncbi.nlm.nih.gov/33354196	Iran
20	Investigation on penetration of saffron components through lipid bilayer bound to spike protein of SARS-CoV-2 using steered molecular dynamics simulation	https://pubmed.ncbi.nlm.nih.gov/33344790	Iran
21	Structure-based screening to discover new inhibitors for papain-like proteinase of SARS-CoV-2: an in silico study	https://pubmed.ncbi.nlm.nih.gov/33350309	Iran
22	Role of social responsibility in prevention of the COVID-19 outbreak from systems thinking perspective	https://pubmed.ncbi.nlm.nih.gov/33349432	Iran
23	Incidence of the COVID-19 in Iraq - implications for travellers	https://pubmed.ncbi.nlm.nih.gov/33353594	Iraq
24	Is the prevalence of the pediatric COVID-19 infection in Oman underestimated?	https://pubmed.ncbi.nlm.nih.gov/33335747	Iraq
25	The relationship between social networking sites usage and psychological distress among undergraduate students during COVID-19 lockdown	https://pubmed.ncbi.nlm.nih.gov/33344792	Jordan

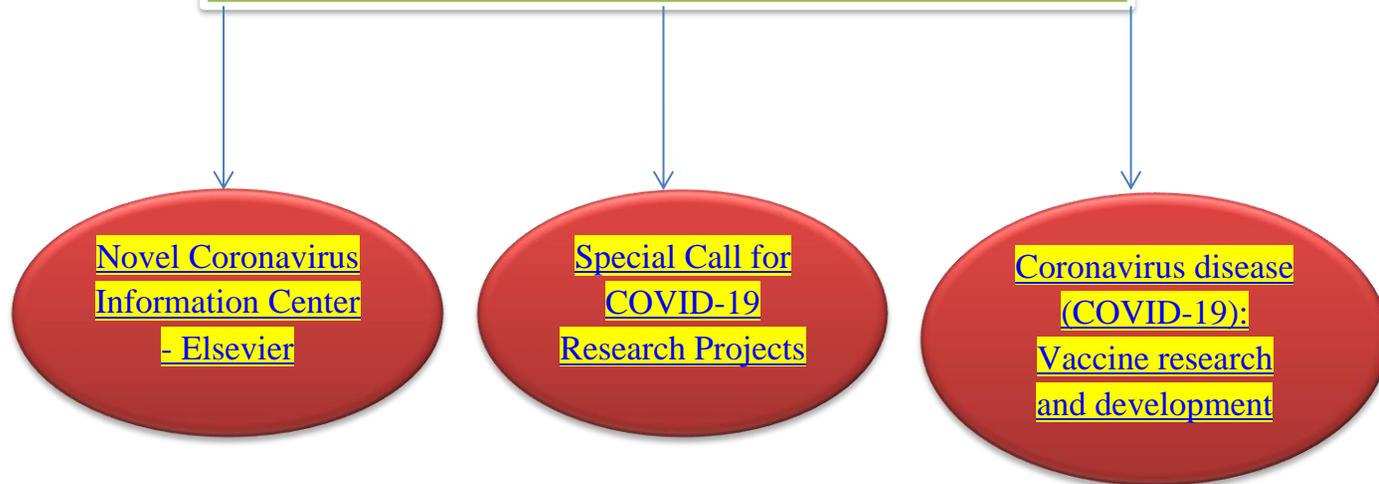
26	Could glutathione depletion be the Trojan horse of COVID-19 mortality?	https://pubmed.ncbi.nlm.nih.gov/33336769	Jordan
27	Letter to the editor: neurosurgery practice during the second wave of COVID-19 pandemic-are we prepared for the upcoming challenges?	https://pubmed.ncbi.nlm.nih.gov/33348498	Kuwait
28	Impact of diabetes in patients diagnosed with COVID-19	https://pubmed.ncbi.nlm.nih.gov/33335527	Kuwait
29	Radiology management of a 'breast unit' during COVID-19 pandemic: a single institution experience	https://pubmed.ncbi.nlm.nih.gov/33350878	Lebanon
30	Letter to the editor: Coronavirus disease 2019 (COVID-19) can cause cerebral rebleeding	https://pubmed.ncbi.nlm.nih.gov/33348499	Morocco
31	Impact of non-pharmaceutical interventions on the COVID-19 epidemic: a modeling study	https://pubmed.ncbi.nlm.nih.gov/33343898	Oman
32	The mental health of female physicians and nurses in Oman during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33335744	Oman
33	Knowledge, attitudes and practices towards COVID-19 among Pakistani residents: information access and low literacy vulnerabilities	https://pubmed.ncbi.nlm.nih.gov/33355383	Pakistan

34	A mathematical and statistical estimation of potential transmission and severity of COVID-19: a combined study of Romania and Pakistan	https://pubmed.ncbi.nlm.nih.gov/33354566	Pakistan
35	Designing of a next generation multiepitope based vaccine (MEV) against SARS-COV-2: immunoinformatics and in silico approaches	https://pubmed.ncbi.nlm.nih.gov/33351863	Pakistan
36	Docking prediction of amantadine in the receptor binding domain of spike protein of SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/33344913	Pakistan
37	IoMT-based automated detection and classification of leukemia using deep learning	https://pubmed.ncbi.nlm.nih.gov/33343851	Pakistan, Saudi Arabia
38	Identification of potential lockdown areas during COVID-19 transmission in Punjab, Pakistan	https://pubmed.ncbi.nlm.nih.gov/33338902	Pakistan
39	COVID-19 biomarkers for severity mapped to polycystic ovary syndrome	https://pubmed.ncbi.nlm.nih.gov/33353554	Qatar, Bahrain
40	Two prolonged viremic SARS-CoV-2 infections with conserved viral genome for two months	https://pubmed.ncbi.nlm.nih.gov/33352320	Qatar
41	Clinical characteristics of asymptomatic and symptomatic COVID-19 patients in the Eastern Province of Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/33341486	Saudi Arabia
42	Medical students' acceptance and perceptions of e-learning during the Covid-19 closure time in	https://pubmed.ncbi.nlm.nih.gov/33341480	Saudi Arabia, Egypt

King Abdulaziz University, Jeddah

43	Implementing the health early warning system based on syndromic and event-based surveillance at the 2019 Hajj	https://pubmed.ncbi.nlm.nih.gov/33355398	Saudi Arabia
44	Current status of telehealth in Saudi Arabia during COVID-19	https://pubmed.ncbi.nlm.nih.gov/33354152	Saudi Arabia
45	Performance of commercially available rapid serological assays for the detection of SARS-CoV-2 antibodies	https://pubmed.ncbi.nlm.nih.gov/33352788	Saudi Arabia
46	Determinants of mental health outcomes among people with and without diabetes during the COVID-19 outbreak in the Persian Gulf region	https://pubmed.ncbi.nlm.nih.gov/33351239	Saudi Arabia
47	Respiratory distress in a patient with Klinefelter syndrome: a suspicion of COVID-19 hiding severe pulmonary embolism	https://pubmed.ncbi.nlm.nih.gov/33343792	Tunisia
48	Respiratory syndrome Coronavirus-2 response: micorobiots as lactobacilli could make the difference	https://pubmed.ncbi.nlm.nih.gov/33336811	Tunisia
49	Modeling and forecasting of COVID-19 using a hybrid dynamic model based on SEIRD with ARIMA corrections	https://pubmed.ncbi.nlm.nih.gov/33294749	United Arab Emirates

Websites to get Coronavirus updates



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

New Findings

[COVID-19 severity affected by proportion of antibodies targeting crucial viral protein](#)

COVID-19 antibodies preferentially target a different part of the virus in mild cases of COVID-19 than they do in severe cases, and wane significantly within several months of infection, according to a new study.

[Prostate cancer regulator plays role in COVID-19, providing a promising treatment lead](#)

Clinical trials underway are testing whether drugs that target the androgen receptor -- successful in controlling prostate cancer -- could also work against the coronavirus.

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