

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-14 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	Coronavirus disease 2019 (COVID-19) outbreak in Afghanistan: measures and challenges	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32412402	Afghanistan, Iran
2	Influence of NAD ⁺ as an ageing-related	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32	Bahrain

	immunomodulator on COVID 19 infection: a hypothesis	534944	
3	Could COVID-19 improve psychiatric awareness at the heart of the Middle East? - a personal reflection on Bahrain's response	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32484123	Bahrain
4	Neuropathogenic human coronaviruses: a review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32687681	Egypt
5	Cardiac surgeons between apprehension and ethical duty in the COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32686460	Egypt
6	Standard precaution measurements during ophthalmology practice in the pandemic stage of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685386	Egypt, Oman
7	In-silico drug repurposing and molecular dynamics puzzled out potential SARS-CoV-2 main protease inhibitors	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32684114	Egypt
8	Diarrhoea and the COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32680695	Egypt
9	COVID-19 and vitamin D deficiency; the two pandemics. Are they correlated?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32674673	Egypt

10	Contribution of monocytes and macrophages to the local tissue inflammation and cytokine storm in COVID-19: lessons from SARS and MERS, and potential therapeutic interventions	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32687918	Iran
11	Characteristics and mortality of hospitalized patients with COVID-19 in Iran: a national retrospective cohort study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32687717	Iran
12	Coronavirus Disease 2019 (COVID-19): a systematic review of pregnancy and the possibility of vertical transmission	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685412	Iran
13	More reliability of suspicious symptoms plus chest CT-scan than RT_PCR test for the diagnosis of COVID-19 in an 18-days-old neonate	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685374	Iran
14	Tests with proven value in diagnosis of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685124	Iran
15	Comparison five primer sets from different genome region of COVID-19 for detection of virus infection by conventional RT-PCR	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685113	Iran
16	COVID-19 pneumonia presenting as a single pulmonary nodule in a kidney transplant	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685113	Iran

	recipient: a case report and literature review	685075	
17	Vaccines based on virus-like nano-particles for use against Middle East Respiratory Syndrome (MERS) coronavirus	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32684497	Iran
18	Letter to the editor: additional recommendations before intubation of COVID-19 patients	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32684229	Iran
19	Comment on psychological interventions during COVID-19: challenges for Iraqi Kurdistan	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32679531	Iraq
20	Re-tasking the use of pre-existing medications and potential therapeutic options for coronavirus disease (COVID-19): systematic review of clinical studies	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32669519	Iraq
21	Response of the public to preventive measures of coronavirus infection in Iraqi Kurdistan	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32660687	Iraq
22	Attitudes, anxiety, and behavioral practices regarding COVID-19 among university students in Jordan: a cross-sectional study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32662398	Jordan
23	The two faces of ACE2: the role of ACE2 receptor and its polymorphisms in hypertension and COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32665962	Kuwait

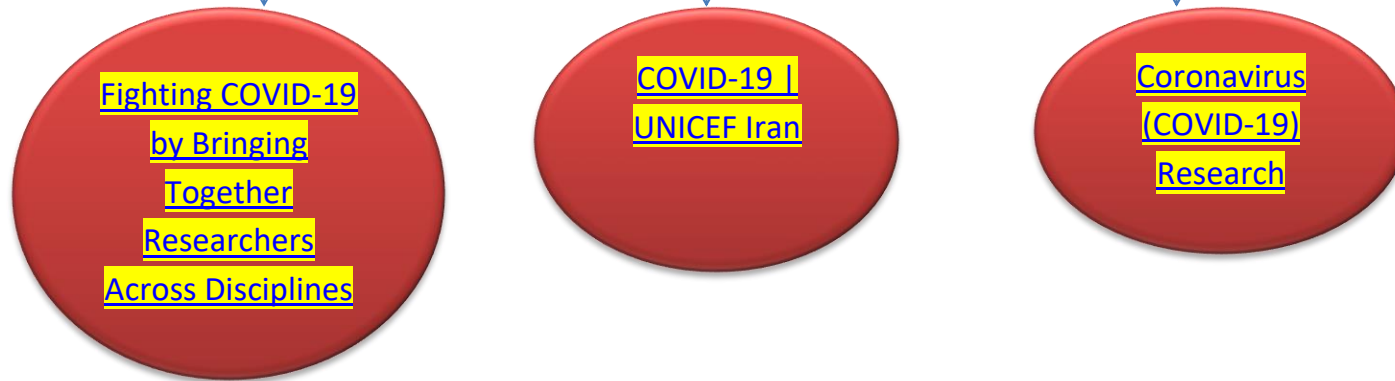
24	Treating cancer patients in times of COVID-19 pandemic: a virtual women cancers multidisciplinary meeting experience	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32674933	Lebanon
25	The coronavirus disease 2019 (COVID-19) pandemic in Africa: what can we expect?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32688006	Morocco
26	The pathogenesis of coronavirus disease 2019 (COVID-19): evaluation and prevention	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32671115	Morocco
27	Coronavirus disease (COVID-19) in Morocco: situation update and proposed remedial measures	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32656113	Morocco
28	In silico investigation of the SARS CoV2 protease with thymoquinone major constituent of nigella sativa	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652915	Morocco
29	Non pharmaceutical interventions for optimal control of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32688137	Pakistan
30	Rigorous hand hygiene practices among health care workers reduce hospital-associated infections during the COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32686571	Pakistan
31	Mathematical model for coronavirus disease 2019 (COVID-19) containing isolation class	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685469	Pakistan
32	Comparing the preventive behavior of medical students and physicians in the era of COVID-19: novel medical problems demand novel	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32682354	Pakistan

curricular interventions

33	Aging and therapy-related hypogammaglobulinemia causing pneumonia: an overlooked curable entity in the chaotic COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32681654	Pakistan
34	A statement of solidarity on COVID-19 pandemic 2020 by the south Asian family physicians	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32670919	Pakistan
35	Acute on chronic liver failure - possibly the main culprit of increased mortality in COVID-19 patients with liver disease	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32682764	Qatar
36	Maternal and perinatal outcomes and pharmacological management of Covid-19 infection in pregnancy: a systematic review protocol	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32682444	Qatar
37	The psychological impact of COVID-19 pandemic on the general population of Saudi Arabia	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32688022	Saudi Arabia
38	A consensus statement on spinal muscular atrophy management in Saudi Arabia in the context of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32683408	Saudi Arabia
39	Stroke management pathway during COVID-19 pandemic scientific statement by the Saudi stroke society	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32683407	Saudi Arabia

40	Saudi Epilepsy Society consensus on epilepsy management during the COVID-19 Pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32683406	Saudi Arabia
41	Considerations for transanal surgery during COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32668028	Sudan
42	Laparoscopy may improve postoperative outcomes of COVID-19 patients	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32658144	Sudan
43	Ecotoxic response of nematodes to ivermectin, a potential anti-COVID-19 drug treatment	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32658716	Tunisia
44	SARS-CoV-2 in the environment: Modes of transmission, early detection and potential role of pollutions	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32687997	United Arab Emirates
45	Prophetic medicine-nigella sativa (black cumin seeds) - potential herb for COVID-19?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685234	United Arab Emirates
46	Acute myelitis as a neurological complication of Covid-19: a case report and MRI findings	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32685076	United Arab Emirates

Reliable Websites to get Coronavirus updates



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

New Findings

[Chinese phase 2 trial finds COVID-19 vaccine is safe and induces an immune response](#)

A phase 2 randomized controlled trial of a recombinant adenovirus type-5-vectored COVID-19 vaccine (Ad5-vectored COVID-19 vaccine) was conducted in China in April 2020 and involved more than 500 people. The primary objective of the study was to evaluate the immune response and safety of the vaccine, and to determine the most suitable dose for a phase 3 trial. Phase 3 trials are needed to confirm whether the vaccine candidate effectively protects against SARS-CoV-2 infection.

[COVID-19 replicating RNA vaccine has robust response in nonhuman primates](#)

A replicating RNA vaccine, formulated with a lipid-based nanoparticle emulsion, produces antibodies against the COVID-19 coronavirus in mice and primates with a single immunization.

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