

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-25 on Covid-19)

Number 3-98, Oct, 2020

Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	Telemedicine during the COVID-19 pandemic: experience at Bahrain Oncology Centre, Bahrain	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33088117	Bahrain
2	Hordatines as a potential inhibitor of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33088117	Egypt

	main protease and RNA polymerase: an in-silico approach	090359	
3	COVID-19 as a novel etiology of portal vein thrombosis: change in the current management concepts	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33090034	Egypt
4	The potential use of ABO blood group system for risk stratification of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33086161	Egypt
5	Dysregulation of ACE2 expression and function in co-morbid disease conditions possibly contributes to COVID-19 complication severity	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33082267	Egypt, Lebanon
6	Management trends in the cath lab during the COVID-19 period, an Egyptian survey	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33081992	Egypt
7	Could oral phosphodiesterase 5 inhibitors have a potential adjuvant role in combating COVID-19 infection?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33077403	Egypt
8	Impact of novel coronavirus disease (COVID-19) on Egyptian dentists' fear and dental practice (a cross-sectional survey)	https://pubmed.ncbi.nlm.nih.gov/33072400	Egypt
9	Role of micronutrients in the management of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33072400	Egypt

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10	NCAM protein and SARS-COV-2 surface proteins: In-silico hypothetical evidence for the immunopathogenesis of Guillain-Barré syndrome	https://pubmed.ncbi.nlm.nih.gov/33069093/	Egypt
11	The impact of COVID 19 on air pollution levels and other environmental indicators - a case study of Egypt	https://pubmed.ncbi.nlm.nih.gov/33069147/	Egypt
12	Acute generalized exanthematous pustulosis with a focus on hydroxychloroquine: a 10-year experience in a skin hospital	https://pubmed.ncbi.nlm.nih.gov/33091817/	Iran
13	The role of androgens in COVID-19	https://pubmed.ncbi.nlm.nih.gov/33091758/	Iran
14	CD147 as a novel receptor in the pathogenesis of SARS-CoV-2: is there any correlation with risk of COVID-19 in dermatological diseases?	https://pubmed.ncbi.nlm.nih.gov/33089902/	Iran
15	Ambient Temperature Interferes with COVID-19	https://pubmed.ncbi.nlm.nih.gov/33088437/	Iran
16	COVID-19 pneumonia with scant respiratory symptoms	https://pubmed.ncbi.nlm.nih.gov/33088319/	Iran
17	Vitamin D supplementation in COVID-19: A	https://pubmed.ncbi.nlm.nih.gov/33088255/	Iran

friend or foe?

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| 18 | Feasibility of treatment planning system in localizing the COVID-19 pneumonia lesions and evaluation of volume indices of lung involvement | https://pubmed.ncbi.nlm.nih.gov/33088245 | Iran |
| 19 | How much the Iranian government spent on disasters in the last 100 years? A critical policy analysis | https://pubmed.ncbi.nlm.nih.gov/33088225 | Iran |
| 20 | Professional life during COVID-19 crisis: an emotional and ethical dilemma for the medical staff | https://pubmed.ncbi.nlm.nih.gov/33087193 | Iran |
| 21 | The use of intravenous immunoglobulin gamma for the treatment of severe coronavirus disease 2019: a randomized placebo-controlled double-blind clinical trial | https://pubmed.ncbi.nlm.nih.gov/33087047 | Iran |
| 22 | Effective public health communication in the COVID-19 era | https://pubmed.ncbi.nlm.nih.gov/33088448 | Iran |
| 23 | Tunicamycin, an anticancer drug and inhibitor of N- linked glycosylation proteins is reliable to treat COVID-19 | https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33091582 | Iraq |
| 24 | COVID-19: molecular and serological detection methods | https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33091582 | Iraq |

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25	A smartphone enabled approach to manage COVID-19 lockdown and economic crisis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33063052	Iraq
26	Cancer treatment during the COVID-19 pandemic in the Kurdistan Region of northern Iraq	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33082846	Iraq
27	Prevalence and predictors of depression, anxiety, and stress among youth at the time of COVID-19: an online cross-sectional multi-country study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33062331	Jordan, Oman, Saudi Arabia, Iraq, Egypt
28	A biomarker based severity progression indicator for COVID-19: the Kuwait prognosis indicator score	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33090050	Kuwait, Qatar
29	Right atrial thrombus in a patient with COVID-19 pneumonia: a case report	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33089061	Kuwait
30	COVID-19: impact of obesity and diabetes on disease severity	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33079448	Kuwait
31	Higher binding affinity of furin to SARS-CoV-2 spike (S) protein D614G could be associated with higher SARS-CoV-2 infectivity	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33075532	Kuwait
32	The psychological burden of the COVID-19 pandemic and associated lockdown measures: experience from 4000 participants	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33065842	Kuwait

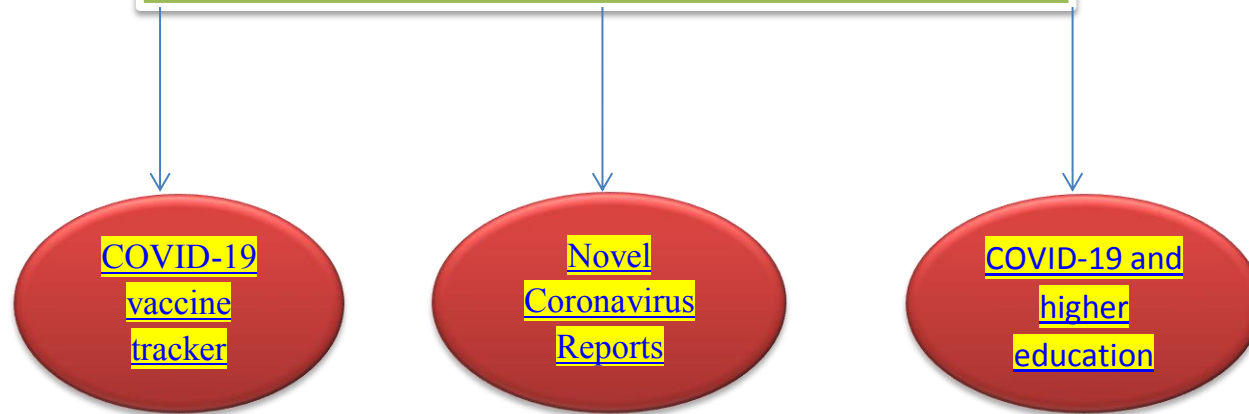
33	Saliva specimens for detection of severe acute respiratory syndrome coronavirus 2 in Kuwait: a cross-sectional study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33053493	Kuwait
34	Fasting blood glucose and COVID-19 severity: nonlinearity matters	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33051331	Kuwait
35	Variant analysis of the first Lebanese SARS-CoV-2 isolates	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33091548	Lebanon
36	COVID-19 in a patient treated for granulomatosis with polyangiitis: persistent viral shedding with no cytokine storm	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33083371	Lebanon
37	Recommended measures for the efficient care of patients with genetic disorders during the COVID-19 pandemic in low and middle income countries	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33067931	Lebanon
38	Assessment of knowledge and practice of dentists towards Coronavirus disease (COVID-19): a cross-sectional survey from Lebanon	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33050914	Lebanon
39	COVID-19 and African immigrants in North Africa; a hidden pandemic in a vulnerable setting	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33070803	Libya
40	Differential diagnosis of COVID-19 in symptomatic patients at the University Hospital Center Mohammed VI, Marrakesh	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33088398	Morocco

41	Synthesis, spectroscopy, crystal structure, TGA/DTA study, DFT and molecular docking investigations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33071353	Morocco
42	MEDT study of the 1,3-DC reaction of diazomethane with Psilostachyin and investigation about the interactions of some pyrazoline derivatives with protease (Mpro) of nCoV-2	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33069124	Morocco
43	Third cranial nerve palsy presenting with unilateral diplopia and strabismus in a 24-year-old woman with COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33056942	Morocco
44	Genomic diversity and hotspot mutations in 30,983 SARS-CoV-2 genomes: moving toward a universal vaccine for the "confined virus"?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33050463	Morocco
45	The experiences and perceptions of health-care workers during the COVID-19 pandemic in Muscat, Oman: a qualitative study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33089729	Oman
46	Clinical characteristics of COVID-19 in pregnant women: a retrospective descriptive single-center study from a tertiary hospital in Muscat, Oman	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33075146	Oman
47	The impact of COVID-19 on transfusion-dependent thalassemia patients of Karachi,	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33	Pakistan

	Pakistan: a single-center experience	091482	
48	Psychological Impairment and coping strategies during the COVID-19 pandemic among students in Pakistan: a cross-sectional analysis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33087206	Pakistan
49	Misinformation in wake of the COVID-19 outbreak: fueling shortage and misuse of lifesaving drugs in Pakistan	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33087194	Pakistan, Saudi Arabia
50	Computer-aided drug design against spike glycoprotein of SARS-CoV-2 to aid COVID-19 treatment	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33083627	Pakistan
51	A computational and bioinformatic analysis of ACE2: an elucidation of its dual role in COVID-19 pathology and finding its associated partners as potential therapeutic targets	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33073716	Pakistan
52	From COVID-19 to clot: the involvement of the complement system	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33063628	Qatar, Lebanon
53	Urinary retention and severe hyponatremia: an unusual presentation of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33083368	Qatar
54	The orthopedic residency program at Hamad Medical Corporation during COVID-19 crisis: an evolving educational strategy	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33078080	Qatar
55	The first consecutive 5000 patients with Coronavirus disease 2019 from Qatar; a nation-	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33	Qatar

	wide cohort study	076848	
56	Caution is needed when reporting or pooling the prevalence of venous thromboembolism in critically ill Coronavirus disease 2019 patients	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33074850	Qatar
57	Nano-sized formazan analogues: synthesis, structure elucidation, antimicrobial activity and docking study for COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33091672	Saudi Arabia, Egypt
58	Chloroquine and hydroxychloroquine inhibitors for COVID-19 sialic acid cellular receptor: Structure, hirshfeld atomic charge analysis and solvent effect	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33082599	Saudi Arabia, Egypt
59	The silent psychological impact of the COVID-19 pandemic in Sudan	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33078130	Sudan
60	A new method for identifying and mapping areas vulnerable to Covid-19 in an armed conflict zone: case study north-west Syria	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33052309	Syria
61	Women's mental health: acute impact of COVID-19 pandemic on domestic violence	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33068161	Tunisia, Qatar
62	Mathematical model of Boltzmann's sigmoidal equation applicable to the spreading of the coronavirus (Covid-19) waves	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33058082	Tunisia

Reliable Websites to get Coronavirus updates



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

New Findings

[Observed COVID-19 variability may have underlying molecular sources](#)

People have different susceptibilities to SARS-CoV-2, the virus behind the COVID-19 pandemic, and develop varying degrees of fever, fatigue, and breathing problems -- common symptoms of the illness. What might explain this variation? Scientists may have an answer to this mystery.

[Can the common cold help protect you from COVID-19?](#)

A new study provides evidence that the seasonal colds you've had in the past could protect you from COVID-19. The study also suggests that immunity to COVID-19 is likely to last a long time -- maybe even a lifetime.

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