

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-28 on Covid-19)

Number 4-02, Nov, 2020

Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	The prevalence of asymptomatic and symptomatic COVID19 disease in a cohort of quarantined subjects	https://pubmed.ncbi.nlm.nih.gov/33157290	Bahrain
2	Post myocardial infarction papillary muscle	https://pubmed.ncbi.nlm.nih.gov/33154939	Bahrain

rupture in the context of Coronavirus disease-2019 pandemic

3	Characteristics of headache attributed to COVID-19 infection and predictors of its frequency and intensity: a cross sectional study	https://pubmed.ncbi.nlm.nih.gov/33146038	Egypt
4	Antibody-based immunotherapeutic strategies for COVID-19	https://pubmed.ncbi.nlm.nih.gov/33167401	Egypt, Saudi Arabia
5	Optimization and evaluation of propolis liposomes as a promising therapeutic approach for COVID-19	https://pubmed.ncbi.nlm.nih.gov/33166584	Egypt
6	Predicting psychological service providers' empowerment in the light of the COVID-19 pandemic outbreak: a structural equation modeling analysis	https://pubmed.ncbi.nlm.nih.gov/33162833	Egypt, Saudi Arabia
7	The differential mental health impact of COVID-19 in Arab countries	https://pubmed.ncbi.nlm.nih.gov/33162726	Egypt, Jordan
8	Deep learning-based forecasting model for COVID-19 outbreak in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/33162687	Egypt
9	An intelligent framework using disruptive technologies for COVID-19 analysis	https://pubmed.ncbi.nlm.nih.gov/33162617	Egypt

10	Time-varying reproductive rates for SARS-CoV-2 and its implications as a means of disease surveillance on lockdown restrictions	https://pubmed.ncbi.nlm.nih.gov/33156065	Egypt
11	A patient affected by critical COVID-19 pneumonia, successfully treated with convalescent plasma	https://pubmed.ncbi.nlm.nih.gov/33183986	Iran
12	Copper as a potential adjunct therapy for critically ill COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/33183578	Iran
13	Prevalence of asymptomatic COVID-19 infection using a seroepidemiological survey	https://pubmed.ncbi.nlm.nih.gov/33183367	Iran
14	Postoperative COVID-19 pneumonia in an asymptomatic patient: a case report	https://pubmed.ncbi.nlm.nih.gov/33183212	Iran
15	Health anxiety predicts postponing or cancelling routine medical health care appointments among women in perinatal stage during the Covid-19 lockdown	https://pubmed.ncbi.nlm.nih.gov/33182388	Iran
16	Track Iran's national COVID-19 response committee's major concerns using two-stage unsupervised topic modeling	https://pubmed.ncbi.nlm.nih.gov/33181447	Iran

17	A review of COVID-19 vaccines and major considerations for diabetic patients	https://pubmed.ncbi.nlm.nih.gov/33179788	Iran
18	The COVID-19 stress may influence on the sex ratio at birth	https://pubmed.ncbi.nlm.nih.gov/33179546	Iran
19	Safety and health protection of health care workers during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33178860	Iran
20	Challenges of home health care during COVID-19 outbreak in Iran	https://pubmed.ncbi.nlm.nih.gov/33178859	Iran
21	Control of COVID-19 system using a novel nonlinear robust control algorithm	https://pubmed.ncbi.nlm.nih.gov/33173541	Iraq
22	Letter to the editor: beyond containment: tracking the impact of Coronavirus disease 2019 (COVID-19) on neurosurgery services in Iraq	https://pubmed.ncbi.nlm.nih.gov/33167145	Iraq
23	Relation of dietary factors with infection and mortality rates of COVID-19 across the World	https://pubmed.ncbi.nlm.nih.gov/33155630	Iraq
24	Effect of Covid-19 on food security: a cross-sectional survey	https://pubmed.ncbi.nlm.nih.gov/33183533	Jordan
25	Caution against precaution: a case report on silent hypoxia in COVID-19	https://pubmed.ncbi.nlm.nih.gov/33169089	Kuwait

26	Educational changes during the COVID-19 pandemic: a response from Lebanon	https://pubmed.ncbi.nlm.nih.gov/33184142	Lebanon
27	Review on the contamination of wastewater by COVID-19 virus: Impact and treatment	https://pubmed.ncbi.nlm.nih.gov/33182015	Morocco
28	Nanobodies: an unexplored opportunity to combat COVID-19	https://pubmed.ncbi.nlm.nih.gov/33172342	Morocco
29	Large scale genomic analysis of 3067 SARS-CoV-2 genomes reveals a clonal geo-distribution and a rich genetic variations of hotspots mutations	https://pubmed.ncbi.nlm.nih.gov/33170902	Morocco
30	Putting the world back to work: an expert system using big data and artificial intelligence in combating the spread of COVID-19 and similar contagious diseases	https://pubmed.ncbi.nlm.nih.gov/33164971	Morocco
31	Randomized controlled open label trial on the use of favipiravir combined with inhaled interferon beta-1b in hospitalized patients with moderate to severe COVID-19 pneumonia	https://pubmed.ncbi.nlm.nih.gov/33181328	Oman
32	COVID-19 containment and its unrestrained impact on epilepsy management in resource-limited areas of Pakistan	https://pubmed.ncbi.nlm.nih.gov/33181895	Pakistan
33	Type I IFNs: a blessing in disguise or partner in crime in MERS-CoV-, SARS-CoV-, and SARS-CoV-2-induced pathology and potential use of	https://pubmed.ncbi.nlm.nih.gov/33181057	Pakistan

type I IFNs in synergism with IFN- γ as a novel antiviral approach against COVID-19

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| 34 | Locked-in syndrome in a young patient due to SARS-CoV-2: a case report | https://pubmed.ncbi.nlm.nih.gov/33178718 | Pakistan |
| 35 | Knowledge, attitude and precautionary practices towards COVID-19 among healthcare professionals in Karachi, Pakistan | https://pubmed.ncbi.nlm.nih.gov/33175705 | Pakistan |
| 36 | Access and use experience of personal protective equipment among frontline healthcare workers in Pakistan during the COVID-19 emergency: a cross-sectional study | https://pubmed.ncbi.nlm.nih.gov/33175583 | Pakistan |
| 37 | Potential role of viral metagenomics as a surveillance tool for the early detection of emerging novel pathogens | https://pubmed.ncbi.nlm.nih.gov/33175192 | Pakistan |
| 38 | Epidemiological impact of SARS-CoV-2 vaccination: mathematical modeling analyses | https://pubmed.ncbi.nlm.nih.gov/33182403 | Qatar |
| 39 | Avoiding anchoring bias in the times of the pandemic | https://pubmed.ncbi.nlm.nih.gov/33173496 | Qatar |
| 40 | COVID-19 related cerebrovascular thromboembolic complications in three young patients | https://pubmed.ncbi.nlm.nih.gov/33173491 | Qatar |
| 41 | Characteristics and comparison of 32 COVID-19 and non-COVID-19 ischemic strokes and | https://pubmed.ncbi.nlm.nih.gov/33171425 | Qatar |

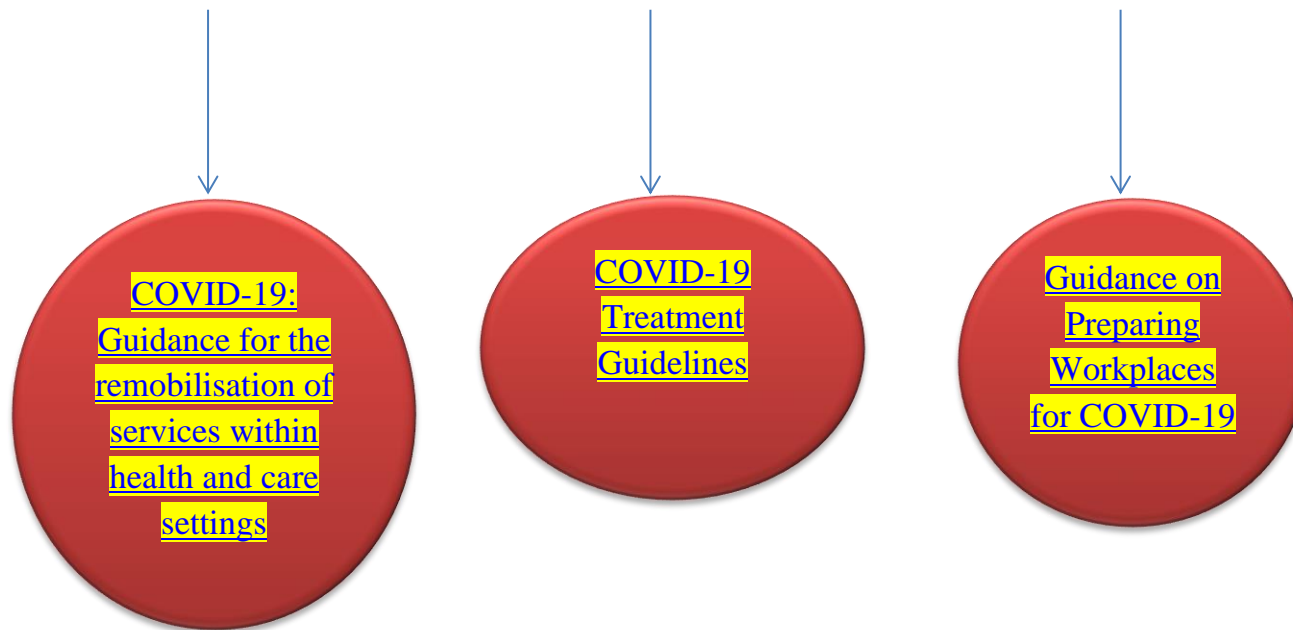
historical stroke patients

42	Awareness, attitudes, prevention, and perceptions of COVID-19 outbreak among nurses in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/33182352	Saudi Arabia
43	Inflammatory response and phenotyping in severe acute respiratory infection from the Middle East respiratory syndrome Coronavirus and other etiologies	https://pubmed.ncbi.nlm.nih.gov/33181590	Saudi Arabia
44	COVID-19 in pediatric cancer patients: how concerned we should be? lessons learned from a single center in Middle East	https://pubmed.ncbi.nlm.nih.gov/33181585	Saudi Arabia
45	COVID-19 in Somalia: adherence to preventive measures and evolution of the disease burden	https://pubmed.ncbi.nlm.nih.gov/32899931	Somalia
46	Surgery during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33160573	Sudan
47	Educational perspective for the identification of essential competencies required for approaching patients with COVID-19	https://pubmed.ncbi.nlm.nih.gov/33047791	Syria
48	Mathematical model of Boltzmann's sigmoidal equation applicable to the spreading of the coronavirus (Covid-19) waves	https://pubmed.ncbi.nlm.nih.gov/33058082	Tunisia
49	Traveling for heart transplantation and returning with COVID-19: a logistical, clinical, and pharmacotherapeutic challenge from the Middle	https://pubmed.ncbi.nlm.nih.gov/33162750	United Arab Emirates

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| 50 | Increased levels of anxiety among medical and non-medical university students during the COVID-19 pandemic in the United Arab Emirates | https://pubmed.ncbi.nlm.nih.gov/33177898 | United Arab Emirates |
| 51 | Attributes of dysgeusia and anosmia of Coronavirus disease 2019 (COVID-19) in hospitalized patients | https://pubmed.ncbi.nlm.nih.gov/33176049 | United Arab Emirates |
| 52 | COVID-19 pandemic in the midst of civil war: planetary health and plant omics field notes from Aden, Yemen | https://pubmed.ncbi.nlm.nih.gov/33180003 | Yemen |

**Reliable Websites to get
Coronavirus updates**



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

New Findings

[Chemists discover the structure of a key coronavirus protein](#)

Chemists have determined the molecular structure of a protein found in the SARS-CoV-2 virus. This protein forms a cation-selective channel and plays a key role in the virus's ability to replicate itself. If researchers could devise ways to block this channel, they may be able to reduce the pathogenicity of the virus and interfere with viral replication.

[Fluvoxamine may prevent serious illness in COVID-19 patients, study suggests](#)

Researchers have completed a clinical trial suggesting that the antidepressant drug fluvoxamine may help prevent deterioration in COVID-19 patients, making hospitalization less likely.

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