

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-23 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	Conflict and COVID-19: a double burden for Afghanistan's healthcare system	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32973920	Afghanistan
2	COVID-19 and sickle cell disease in Bahrain	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32973920	Bahrain

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3	The inhibitory effect of some natural bioactive compounds against SARS-CoV-2 main protease: insights from molecular docking analysis and molecular dynamic simulation	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32998618	Egypt
4	Use of chloroquine or hydroxychloroquine in treatment of COVID-19: is it ethical?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32997483	Egypt
5	Single cell sequencing unraveling genetic basis of shared immunologic switch between severe COVID19 and obesity	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32995660	Egypt
6	The Mechanical Autophagy as a Part of Cellular Immunity; Facts and Features in Treating the Medical Disorders	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32993405	Egypt
7	Data analytics for predicting COVID-19 cases in top affected countries: observations and recommendations	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32992643	Egypt, Saudi Arabia
8	Assessment and characterization of post-COVID-19 manifestations	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32991035	Egypt
9	COVID 19 and liver: an A-Z literature review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32988758	Egypt

10	Social stigma: the hidden threat of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32984238	Egypt
11	An optimized deep learning architecture for the diagnosis of COVID-19 disease based on gravitational search optimization	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32982615	Egypt
12	Assessment of coronavirus in the conjunctival tears and secretions in patients with SARS-CoV-2 infection in Sohag province, Egypt	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32982162	Egypt
13	Magnetic resonance imaging features of coronavirus disease 2019 (COVID-19) pneumonia: the first preliminary case series	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33002753	Iran
14	Cancer and coronavirus disease (COVID-19): comorbidity, mechanical ventilation, and death risk	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33001376	Iran
15	D-dimer level in COVID-19 infection: a systematic review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32997543	Iran
16	The risk and prevalence of COVID-19 infection in colorectal cancer P=patients: a systematic review and meta-analysis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32997314	Iran
17	A multimodal deep learning-based drug	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32997314	Iran

	repurposing approach for treatment of COVID-19	997257	
18	Blood supply sufficiency and safety management in Iran during the COVID-19 outbreak	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32996588	Iran
19	The cross-impact between financial markets, Covid-19 pandemic, and economic sanctions: The case of Iran	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32994651	Iran
20	A review of venous thromboembolism phenomena in COVID-19 patients	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32994052	Iran
21	The prevalence of sleep disturbances among physicians and nurses facing the COVID-19 patients: a systematic review and meta-analysis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32993696	Iran
22	Intermediate versus standard-dose prophylactic anticoagulation and statin therapy versus placebo in critically-ill patients with COVID-19: rationale and design of the INSPIRATION/INSPIRATION-S studies	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32992075	Iran
23	Association between frequent urination and prolonged staying at home	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32975916	Iraq
24	Global stability of COVID-19 model involving		Iraq, Morocco

the quarantine strategy and media coverage effects

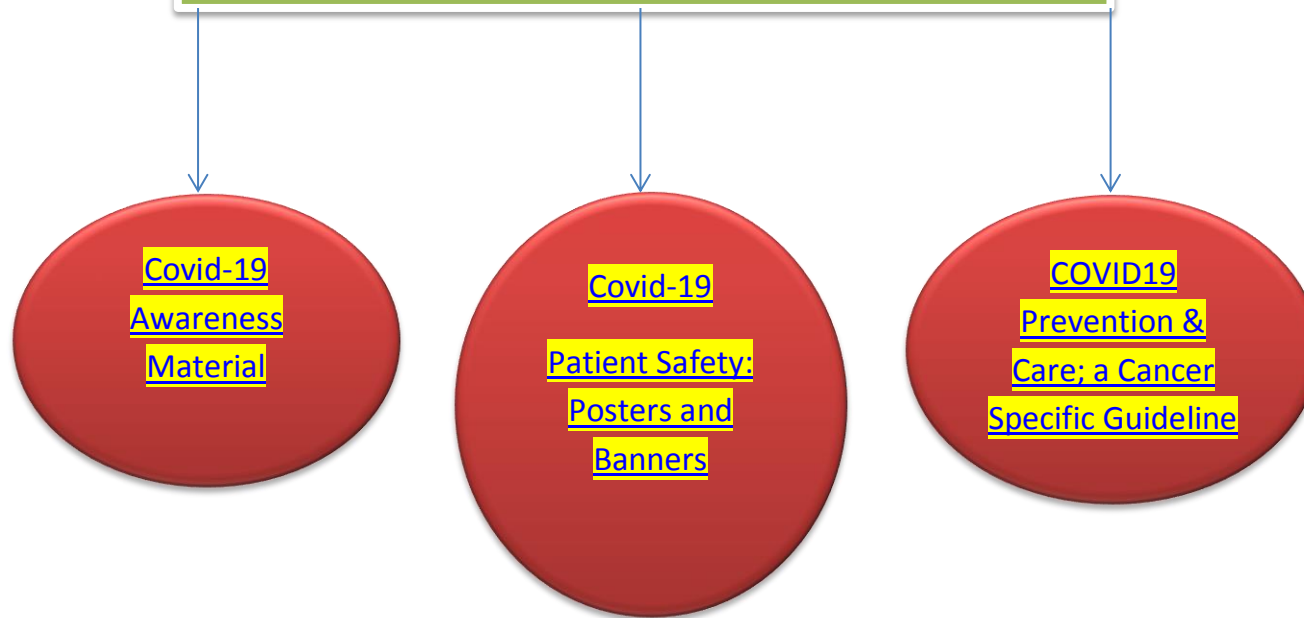
25	The impact of social distancing and self-isolation in the last corona COVID-19 outbreak on the body weight in Sulaimani governorate-Kurdistan/Iraq, a prospective case series study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32963773	Iraq
26	An overview of the world current and future assessment of novel COVID-19 trajectory, impact, and potential preventive strategies at healthcare Settings	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32992809	Kuwait
27	Factors associated with burnout among physicians: an evaluation during a period of COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32982532	Kuwait
28	Impact of coronavirus disease 2019 (COVID-19) pandemic on patients with migraine: a web-based survey study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32972360	Kuwait
29	Protective behavior against COVID-19 among the public in Kuwait: an examination of the protection motivation theory, trust in government, and sociodemographic factors	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32970542	Kuwait
30	The impact of COVID-19 pandemic on rheumatology practice: a cross-sectional multinational study	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32996071	Lebanon, Morocco, Saudi Arabia, Iraq, Kuwait, Tunisia,

			Jordan
31	Knowledge and practice of physicians during COVID-19 pandemic: a cross-sectional study in Lebanon	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32993603	Lebanon
32	The role of perceived social support on depression and sleep during the COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32977047	Lebanon
33	Comparison of two automated immunoassays for the detection of SARS-CoV-2 nucleocapsid antibodies	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32976593	Lebanon
34	Bladder cancer during the COVID-19 pandemic: the calm before the storm?	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32974047	Lebanon
35	Impact of the COVID-19 pandemic on cardiologists in a country with limited resources	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32923354	Libya
36	Lymphopenia in critically ill COVID-19 patients: a predictor factor of severity and mortality	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32996680	Morocco
37	A systematic literature review on e-mental health solutions to assist health care workers during COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32970532	Morocco, United Arab Emirates
38	Fear of Covid-19, psychological distress, work satisfaction and turnover intention among frontline nurses	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32985046	Oman

39	Self-reported effectiveness of e-Learning classes during COVID-19 pandemic: a nation-wide survey of Pakistani undergraduate dentistry students	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33003240	Pakistan, Saudi Arabia
40	Preprocedural use of povidone-iodine mouthwash during dental procedures in the COVID-19 pandemic	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33003236	Pakistan, Saudi Arabia
41	Role of biochemical markers in invasive ventilation of Coronavirus disease 2019 patients: multinomial regression and survival analysis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32999777	Pakistan
42	Exploring the potential of artificial intelligence and machine learning to combat COVID-19 and existing opportunities for LMIC: a scoping review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32996368	Pakistan
43	Clinical manifestations and outcomes of COVID-19 in the pediatric population: a systematic review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32994372	Pakistan
44	Facemask use in community settings to prevent respiratory infection transmission: a rapid review and meta-analysis	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32987183	Qatar
45	Importance of dietary changes during the Coronavirus pandemic: how to upgrade your immune response	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32984253	Qatar

46	The longitudinal impact of COVID-19 pandemic on neurosurgical practice	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33002677	Saudi Arabia
47	Management of obesity in Saudi Arabia during the era of COVID-19: a clash of two pandemics	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33002338	Saudi Arabia
48	Successfully treating three patients with acute kidney injury secondary to COVID-19 by peritoneal dialysis: case report and literature review	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32998645	Saudi Arabia
49	Development and optimization of in-house ELISA for detection of human IgG antibody to SARS-CoV-2 full length spike protein	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32998438	Saudi Arabia
50	Individuals with "A" Rh-positive but not Rh-negative blood group are more vulnerable to SARS-COV-2 infection: demographics and trend study on COVID-19 cases in Sudan	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32983543	Sudan, Saudi Arabia
51	Detection methods of COVID-19	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32997560	Tunisia
52	Human-animal interaction and the emergence of SARS-CoV-2	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/33001837	United Arab Emirates
53	Tailoring time series models for forecasting Coronavirus spread: case studies of 187 countries	https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32994886	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

[Expert opinion: COVID-19 vaccine rollout unlikely before fall 2021](#)

Experts working in the field of vaccine development tend to believe that an effective vaccine is not likely to be available for the general public before the fall of 2021. A new paper details the results of a recent survey of 28 experts working in vaccinology.

[AI can detect COVID-19 in the lungs like a virtual physician, new study shows](#)

New research shows that artificial intelligence can be nearly as accurate as a physician in diagnosing COVID-19 in the lungs. The study also shows the new technique can also overcome some of the challenges of current testing.

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