

# Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-30 on Covid-19)

Number 4-04, Nov, 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	<a href="https://pubmed.ncbi.nlm.nih.gov/33088117">https://pubmed.ncbi.nlm.nih.gov/33088117</a>	Bahrain
2	Structural and functional insights into non-	<a href="https://pubmed.ncbi.nlm.nih.gov/33242646">https://pubmed.ncbi.nlm.nih.gov/33242646</a>	Egypt

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structural proteins of coronaviruses

3	A suggested role of human growth hormone in control of the COVID-19 pandemic	<a href="https://pubmed.ncbi.nlm.nih.gov/33240216">https://pubmed.ncbi.nlm.nih.gov/33240216</a>	Egypt
4	Telepsychiatry in the Arab World: a viewpoint before and during COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33239877">https://pubmed.ncbi.nlm.nih.gov/33239877</a>	Egypt, Lebanon, Sudan, Syria, Saudi Arabia, Oman, United Arab Emirates, Libya, Tunisia, Qatar, Jordan
5	Predictive factors affecting stress among nurses providing care at COVID-19 isolation hospitals at Egypt	<a href="https://pubmed.ncbi.nlm.nih.gov/33230420">https://pubmed.ncbi.nlm.nih.gov/33230420</a>	Egypt, United Arab Emirates, Saudi Arabia
6	What the dental practitioner needs to know about pharmaco-therapeutic modalities of COVID-19 treatment: a review	<a href="https://pubmed.ncbi.nlm.nih.gov/33230404">https://pubmed.ncbi.nlm.nih.gov/33230404</a>	Egypt, Saudi Arabia, Jordan
7	Association of TNF- $\alpha$ G-308 a promoter polymorphism with the course and outcome of COVID-19 patients	<a href="https://pubmed.ncbi.nlm.nih.gov/33228423">https://pubmed.ncbi.nlm.nih.gov/33228423</a>	Egypt
8	Promising preventive and therapeutic effects of TaibUVID nutritional supplements for COVID-19 pandemic: towards better public prophylaxis	<a href="https://pubmed.ncbi.nlm.nih.gov/33224571">https://pubmed.ncbi.nlm.nih.gov/33224571</a>	Egypt, Saudi Arabia

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and treatment (a retrospective study)

9	Synthesis of potentially new Schiff bases of N-substituted-2-quinolonylaceto-hydrazides as anti-Covid-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33223566">https://pubmed.ncbi.nlm.nih.gov/33223566</a>	Egypt, Saudi Arabia
10	Tackling COVID-19 in the Eastern Mediterranean Region	<a href="https://pubmed.ncbi.nlm.nih.gov/33220856">https://pubmed.ncbi.nlm.nih.gov/33220856</a>	Egypt
11	Dendritic cell vaccine immunotherapy; the beginning of the end of cancer and COVID-19. a hypothesis	<a href="https://pubmed.ncbi.nlm.nih.gov/33221134">https://pubmed.ncbi.nlm.nih.gov/33221134</a>	Egypt
12	Generalized pustular psoriasis following COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33244885">https://pubmed.ncbi.nlm.nih.gov/33244885</a>	Iran
13	A case-control study of the 2019 influenza vaccine and incidence of COVID-19 among healthcare workers	<a href="https://pubmed.ncbi.nlm.nih.gov/33244671">https://pubmed.ncbi.nlm.nih.gov/33244671</a>	Iran
14	Pulmonary thromboembolism and infarction mimicking COVID-19 symptoms; report of three cases	<a href="https://pubmed.ncbi.nlm.nih.gov/33244523">https://pubmed.ncbi.nlm.nih.gov/33244523</a>	Iran
15	Possible role of zinc (Zn) as an adjunctive therapy in gastrointestinal symptoms of COVID-19 infectious disease	<a href="https://pubmed.ncbi.nlm.nih.gov/33244389">https://pubmed.ncbi.nlm.nih.gov/33244389</a>	Iran

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16	Unusual gastrointestinal manifestations of COVID-19: two case reports	<a href="https://pubmed.ncbi.nlm.nih.gov/33244387">https://pubmed.ncbi.nlm.nih.gov/33244387</a>	Iran
17	Lethal outcome of Covid-19 pneumonia in a new liver recipient with neurological manifestation	<a href="https://pubmed.ncbi.nlm.nih.gov/33244386">https://pubmed.ncbi.nlm.nih.gov/33244386</a>	Iran
18	Vasculopathy-related cutaneous lesions and intrahepatic cholestasis as synchronous manifestations in a COVID-19 patient; a case report	<a href="https://pubmed.ncbi.nlm.nih.gov/33244385">https://pubmed.ncbi.nlm.nih.gov/33244385</a>	Iran
19	Presentation of COVID-19 in a liver transplant recipient	<a href="https://pubmed.ncbi.nlm.nih.gov/33244384">https://pubmed.ncbi.nlm.nih.gov/33244384</a>	Iran
20	Significant changes of CD4, FOXP3, CD25, and IL6 expression level in Iranian COVID-19 patients	<a href="https://pubmed.ncbi.nlm.nih.gov/33244382">https://pubmed.ncbi.nlm.nih.gov/33244382</a>	Iran
21	Investigating the human protein-host protein interactome of SARS-CoV-2 infection in the small intestine	<a href="https://pubmed.ncbi.nlm.nih.gov/33244381">https://pubmed.ncbi.nlm.nih.gov/33244381</a>	Iran
22	Is it just about physical health? an online cross-sectional study exploring the psychological distress among university students in Jordan in the midst of COVID-19 pandemic	<a href="https://pubmed.ncbi.nlm.nih.gov/33240151">https://pubmed.ncbi.nlm.nih.gov/33240151</a>	Jordan

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<b>23</b>	Clinical characteristics of pediatric SARS-CoV-2 infection and Coronavirus disease 2019 (COVID-19) in Kuwait	<a href="https://pubmed.ncbi.nlm.nih.gov/33219559">https://pubmed.ncbi.nlm.nih.gov/33219559</a>	Kuwait
<b>24</b>	Clinical characteristics of coronavirus disease 2019 (COVID-19) patients in Kuwait	<a href="https://pubmed.ncbi.nlm.nih.gov/33216801">https://pubmed.ncbi.nlm.nih.gov/33216801</a>	Kuwait
<b>25</b>	Is blood transfusion safe during the COVID-19 pandemic?	<a href="https://pubmed.ncbi.nlm.nih.gov/33230421">https://pubmed.ncbi.nlm.nih.gov/33230421</a>	Lebanon
<b>26</b>	Impact of the COVID-19 pandemic on medical education: medical students' knowledge, attitudes, and practices regarding electronic learning	<a href="https://pubmed.ncbi.nlm.nih.gov/33237962">https://pubmed.ncbi.nlm.nih.gov/33237962</a>	Libya
<b>27</b>	Cyclin dependent kinase inhibitors as a new potential therapeutic option in management of COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33213999">https://pubmed.ncbi.nlm.nih.gov/33213999</a>	Libya
<b>28</b>	How can clinical immunology laboratories contribute to the management of severe COVID-19 cases in limited resource contexts?	<a href="https://pubmed.ncbi.nlm.nih.gov/33235830">https://pubmed.ncbi.nlm.nih.gov/33235830</a>	Morocco
<b>29</b>	Home dialysis: lessons from COVID-19 and other viral outbreaks	<a href="https://pubmed.ncbi.nlm.nih.gov/33229790">https://pubmed.ncbi.nlm.nih.gov/33229790</a>	Morocco
<b>30</b>	Consultation liaison psychiatry for COVID-19 inpatients: a novel care delivery program in Morocco	<a href="https://pubmed.ncbi.nlm.nih.gov/33223784">https://pubmed.ncbi.nlm.nih.gov/33223784</a>	Morocco

<b>31</b>	COVID-19 disease severity and mortality determinants: a large population-based analysis in Oman	<a href="https://pubmed.ncbi.nlm.nih.gov/33227503">https://pubmed.ncbi.nlm.nih.gov/33227503</a>	Oman
<b>32</b>	Anakinra in hospitalized patients with severe COVID-19 pneumonia requiring oxygen therapy: results of a prospective, open-label, interventional study	<a href="https://pubmed.ncbi.nlm.nih.gov/33217576">https://pubmed.ncbi.nlm.nih.gov/33217576</a>	Oman
<b>33</b>	Assessing the impact of COVID-19 on the mental health of healthcare workers in three metropolitan cities of Pakistan	<a href="https://pubmed.ncbi.nlm.nih.gov/33244279">https://pubmed.ncbi.nlm.nih.gov/33244279</a>	Pakistan
<b>34</b>	Psychological distress among adults in home confinement in the midst of COVID-19 outbreak	<a href="https://pubmed.ncbi.nlm.nih.gov/33242914">https://pubmed.ncbi.nlm.nih.gov/33242914</a>	Pakistan
<b>35</b>	COVID-19 and individuals with mental illness in psychiatric facilities	<a href="https://pubmed.ncbi.nlm.nih.gov/33242804">https://pubmed.ncbi.nlm.nih.gov/33242804</a>	Pakistan
<b>36</b>	Factors impeding health-care professionals to effectively treat Coronavirus disease 2019 patients in Pakistan: a qualitative investigation	<a href="https://pubmed.ncbi.nlm.nih.gov/33240162">https://pubmed.ncbi.nlm.nih.gov/33240162</a>	Pakistan
<b>37</b>	Machine-learning classification of texture features of portable chest X-ray accurately classifies COVID-19 lung infection	<a href="https://pubmed.ncbi.nlm.nih.gov/33239006">https://pubmed.ncbi.nlm.nih.gov/33239006</a>	Pakistan
<b>38</b>	Characterizing key attributes of COVID-19 transmission dynamics in China's original outbreak: model-based estimations	<a href="https://pubmed.ncbi.nlm.nih.gov/33235991">https://pubmed.ncbi.nlm.nih.gov/33235991</a>	Qatar, Lebanon

39	Fasting Ramadan during COVID-19 pandemic: immunomodulatory effect	<a href="https://pubmed.ncbi.nlm.nih.gov/33240915">https://pubmed.ncbi.nlm.nih.gov/33240915</a>	Qatar
40	Post COVID 19 acute acalculous cholecystitis raising the possibility of underlying dysregulated immune response, a case report	<a href="https://pubmed.ncbi.nlm.nih.gov/33224493">https://pubmed.ncbi.nlm.nih.gov/33224493</a>	Qatar
41	D-dimer, fibrinogen, and IL-6 in COVID-19 patients with suspected venous thromboembolism: a narrative review	<a href="https://pubmed.ncbi.nlm.nih.gov/33223833">https://pubmed.ncbi.nlm.nih.gov/33223833</a>	Qatar
42	NAFLD is a predictor of liver injury in COVID-19 hospitalized patients but not of mortality, disease severity on the presentation or progression - the debate continues	<a href="https://pubmed.ncbi.nlm.nih.gov/33223215">https://pubmed.ncbi.nlm.nih.gov/33223215</a>	Qatar
43	Analyzing and forecasting COVID-19 pandemic in the Kingdom of Saudi Arabia using ARIMA and SIR models	<a href="https://pubmed.ncbi.nlm.nih.gov/33230367">https://pubmed.ncbi.nlm.nih.gov/33230367</a>	Saudi Arabia, Egypt
44	Association of salivary content alteration and early ageusia symptoms in COVID-19 infections: a systemic review	<a href="https://pubmed.ncbi.nlm.nih.gov/33242917">https://pubmed.ncbi.nlm.nih.gov/33242917</a>	Saudi Arabia
45	Acute generalized exanthematous pustulosis after COVID-19 infection: a case report from Saudi Arabia	<a href="https://pubmed.ncbi.nlm.nih.gov/33240733">https://pubmed.ncbi.nlm.nih.gov/33240733</a>	Saudi Arabia
46	Multisystem inflammatory syndrome in children, the real disease of COVID-19 in	<a href="https://pubmed.ncbi.nlm.nih.gov/33240687">https://pubmed.ncbi.nlm.nih.gov/33240687</a>	Saudi Arabia

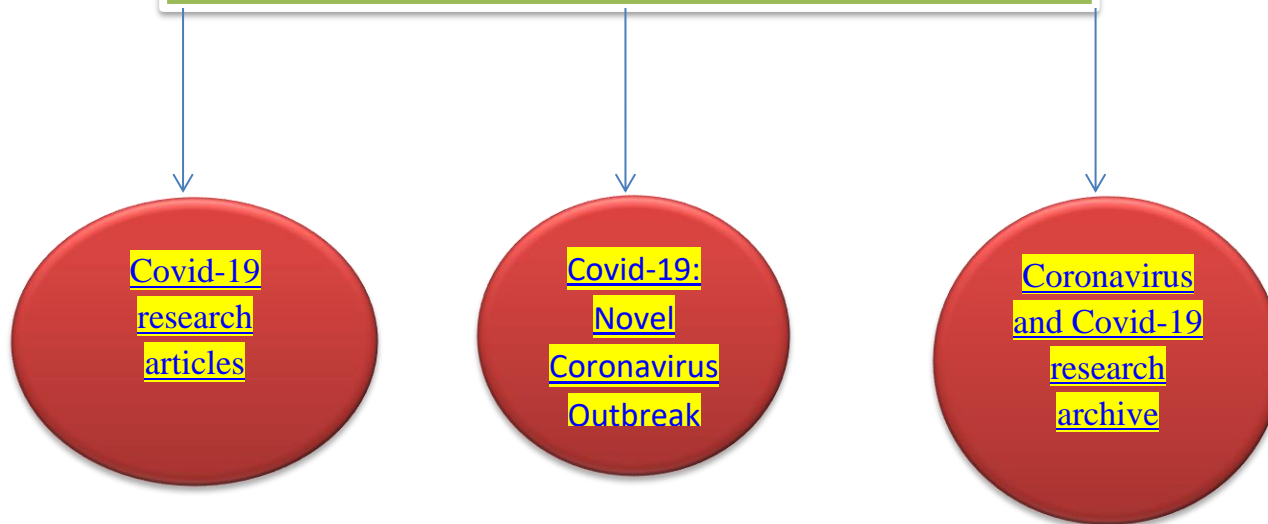
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pediatrics - a multicenter case series from Al-Ahsa, Saudi Arabia

47	Clinical, epidemiological, and laboratory characteristics of mild-to-moderate COVID-19 patients in Saudi Arabia: an observational cohort study	<a href="https://pubmed.ncbi.nlm.nih.gov/33239068">https://pubmed.ncbi.nlm.nih.gov/33239068</a>	Saudi Arabia
48	SARS-COV2 and P. falciparum common immunodominant regions may explain low COVID-19 incidence in the malaria-endemic belt	<a href="https://pubmed.ncbi.nlm.nih.gov/33230417">https://pubmed.ncbi.nlm.nih.gov/33230417</a>	Sudan
49	The impact of COVID-19 pandemic on patients receiving orthodontic treatment: an online questionnaire cross-sectional study	<a href="https://pubmed.ncbi.nlm.nih.gov/33221177">https://pubmed.ncbi.nlm.nih.gov/33221177</a>	Syria
50	Psychological crisis intervention response to the COVID 19 pandemic: a Tunisian centralized protocol	<a href="https://pubmed.ncbi.nlm.nih.gov/33242808">https://pubmed.ncbi.nlm.nih.gov/33242808</a>	Tunisia
51	Molecular basis of cardiac and vascular injuries associated with COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33240937">https://pubmed.ncbi.nlm.nih.gov/33240937</a>	United Arab Emirates
52	Psychosocial correlates of depression and anxiety in the United Arab Emirates during the COVID-19 pandemic	<a href="https://pubmed.ncbi.nlm.nih.gov/33240122">https://pubmed.ncbi.nlm.nih.gov/33240122</a>	United Arab Emirates
53	A cross-sectional study on university students' knowledge, attitudes, and practices toward COVID-19 in the United Arab Emirates	<a href="https://pubmed.ncbi.nlm.nih.gov/33236710">https://pubmed.ncbi.nlm.nih.gov/33236710</a>	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

## [Algorithm accurately predicts COVID-19 patient outcomes](#)

A team of engineers has demonstrated how a new algorithm they developed was able to successfully predict whether or not a COVID-19 patient would need ICU intervention. This artificial intelligence-based approach could be a valuable tool in determining a proper course of treatment for individual patients.

## [How to protect healthcare workers from COVID-19](#)

Researchers are developing simple and inexpensive tools -- like a DIY ventilator -- to treat patients more effectively and prevent disease transmission in hospitals.

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