

# Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-22 on Covid-19)

Number 3-95, Sep, 2020

## Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	Practice recommendations for clinicians in ART centers in the context of COVID-19 pandemic: perspective of a developing country	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958990">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958990</a>	Egypt
2	COVID-19 image classification using deep	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32</a>	Egypt

	features and fractional-order marine predators algorithm	<a href="#">958781</a>	
<b>3</b>	The prevalence and predictors of post-stroke depression and anxiety during COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958396">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958396</a>	Egypt, Saudi Arabia
<b>4</b>	Transmission of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) to animals: an updated review	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32957995">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32957995</a>	Egypt, Iran, Saudi Arabia
<b>5</b>	Transplantation in the era of the Covid-19 pandemic: how should transplant patients and programs be handled?	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954602">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954602</a>	Egypt
<b>6</b>	COVID-19-associated sleep disorders: a case report	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954046">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954046</a>	Egypt
<b>7</b>	Coronavirus disease-19 spread in the Eastern Mediterranean Region, updates and prediction of disease progression in Kingdom of Saudi Arabia, Iran, and Pakistan	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952503">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952503</a>	Egypt, Saudi Arabia
<b>8</b>	How fast is the peer-review process for orthopaedic publications related to the Covid-19 pandemic?	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952334">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952334</a>	Egypt

<b>9</b>	The forgotten element in the resumption of elective bariatric surgery during the COVID-19 pandemic: the patient consent!	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949001">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949001</a>	Egypt
<b>10</b>	Stability of MERS-CoV RNA on spin columns of RNA extraction kit at room temperature	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32947111">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32947111</a>	Egypt
<b>11</b>	Bariatric surgery during the COVID-19 pandemic-the perspective of physicians and patients	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32960401">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32960401</a>	Iran
<b>12</b>	A late COVID-19 complication: male sexual dysfunction	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959752">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959752</a>	Iran
<b>13</b>	Epidemiological pattern of pediatric trauma in COVID-19 outbreak: data from a tertiary trauma center in Iran	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958345">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958345</a>	Iran
<b>14</b>	Two seriously ill neonates born to mothers with COVID-19 pneumonia- a case report	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958069">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958069</a>	Iran
<b>15</b>	Quercetin and its relative therapeutic potential against COVID-19: a retrospective review and prospective overview	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32957884">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32957884</a>	Iran
<b>16</b>	A review of medications used to control and improve the signs and symptoms of COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956644">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956644</a>	Iran

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patients

<b>17</b>	How the first cases of COVID-19 in 10 countries become infected? a case series	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953445">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953445</a>	Iran
<b>18</b>	Socioeconomic inequality in global incidence and mortality rates from COVID-19: an ecological study	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953124">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953124</a>	Iran
<b>19</b>	Vertical transmission of COVID-19 in a 1-day-old neonate	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950662">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950662</a>	Iran
<b>20</b>	Seizure in patients with COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949289">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949289</a>	Iran
<b>21</b>	A retrospective descriptive study characterizing Coronavirus disease epidemiology among people in the Kurdistan region, Iraq	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952972">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952972</a>	Iraq
<b>22</b>	Severe ischemic complications in Covid-19-a case series	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32934901">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32934901</a>	Kuwait
<b>23</b>	Assessing knowledge, attitude, practice, and preparedness of hospital pharmacists in Lebanon towards COVID-19 pandemic: a cross-sectional study	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959004">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959004</a>	Lebanon
<b>24</b>	COVID-19 in benign hematology: emerging challenges and special considerations for	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959004">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959004</a>	Lebanon

	healthcare professionals	<a href="#">931348</a>	
<b>25</b>	Laboratory abnormalities in children with novel Coronavirus disease 2019	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958991">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958991</a>	Morocco
<b>26</b>	Assessment of effective imidazole derivatives against SARS-CoV-2 main protease through computational approach	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956664">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956664</a>	Morocco
<b>27</b>	Rehabilitation of post-COVID-19 patients	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952812">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952812</a>	Morocco
<b>28</b>	A misleading CMV myocarditis during the COVID-19 pandemic: case report	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952811">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32952811</a>	Morocco
<b>29</b>	Factors associated with psychological distress and physical activity during the COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32946286">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32946286</a>	Morocco
<b>30</b>	Platelets can associate with SARS-Cov-2 RNA and are hyperactivated in COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32938299">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32938299</a>	Morocco
<b>31</b>	COVID-19 pandemic: learning lessons and a vision for a better health system	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953143">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953143</a>	Oman
<b>32</b>	Assessing the causes for a relatively lower morbidity from COVID-19 in South Asia	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959665">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959665</a>	Pakistan
<b>33</b>	Availability, satisfaction and use of personal protective equipment among healthcare workers: a cross-sectional assessment of low-	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956236">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32956236</a>	Pakistan

and middle-income countries

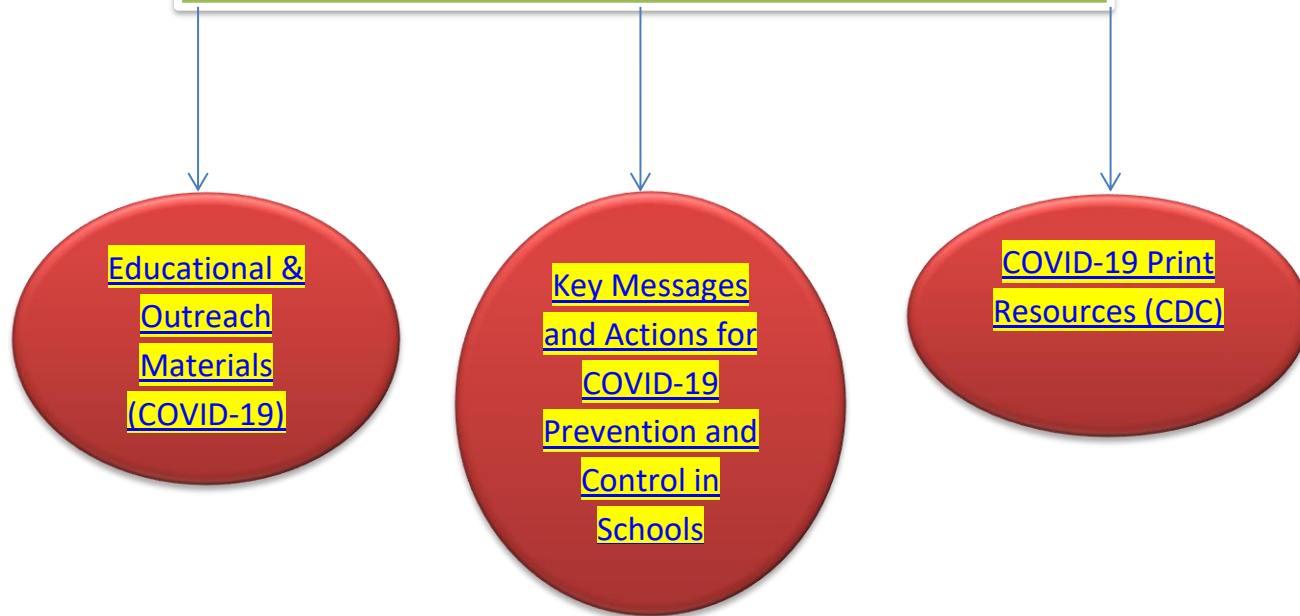
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|-----------|---|---|----------|
| <b>34</b> | Genetic characterization of structural and open reading Fram-8 proteins of SARS-CoV-2 isolates from different countries   | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954047">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954047</a> | Pakistan |
| <b>35</b> | Predictions of coronavirus COVID-19 distinct cases in Pakistan through artificial neural network  | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32951626">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32951626</a> | Pakistan |
| <b>36</b> | A web-based health education module and its impact on the preventive practices of health-care workers during the COVID-19 pandemic  | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32951026">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32951026</a> | Pakistan |
| <b>37</b> | Seroprevalence of anti-SARS-CoV-2 antibodies in residents of Karachi-challenges in acquiring herd immunity for COVID 19   | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32940328">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32940328</a> | Pakistan |
| <b>38</b> | The COVID-19 pandemic: the public health reality  | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958089">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958089</a> | Qatar    |
| <b>39</b> | An emergency switch to distance learning in response to the COVID-19 pandemic: experience from an internationally accredited undergraduate pharmacy program at Qatar university | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953239">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32953239</a> | Qatar    |
| <b>40</b> | COVID-19 infection among healthcare workers in a national healthcare system: the Qatar experience   | <a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949777">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32949777</a> | Qatar    |

41	T cell responses and therapies against SARS-CoV-2 infection	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32935333">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32935333</a>	Qatar
42	Pathophysiology and treatment strategies for COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32933536">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32933536</a>	Qatar
43	Digitalization plan in medical education during COVID-19 lockdown	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959020">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959020</a>	Saudi Arabia, Egypt
44	Highlights of the management of adult histiocytic disorders: langerhans cell histiocytosis, erdheim-chester disease, Rosai-Dorfman disease, and hemophagocytic lymphohistiocytosis	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32943371">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32943371</a>	Saudi Arabia, Sudan
45	Knowledge, attitude and practices of health care workers about Coronavirus disease 2019 in Saudi Arabia	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959614">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32959614</a>	Saudi Arabia
46	Community pharmacy services and preparedness during COVID-19 outbreak in Madinah, Saudi Arabia	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958992">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32958992</a>	Saudi Arabia
47	Population risk factors for COVID-19 mortality in 93 countries	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954710">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32954710</a>	United Arab Emirates
48	Switching host metabolism as an approach to dampen SARS-CoV-2 infection	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950986">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950986</a>	United Arab Emirates
49	Case of COVID-19 infection and polycythaemia presenting with massive acute pulmonary	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950986">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32950986</a>	United Arab Emirates

	embolism	<a href="#">948531</a>	
50	Optimizing supportive care in COVID-19 patients: a multidisciplinary approach	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32943872">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32943872</a>	United Arab Emirates
51	Cerebrospinal fluid confirmed COVID-19-associated encephalitis treated successfully	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32938656">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32938656</a>	United Arab Emirates
52	The role of psychiatrists in addressing COVID-19 conspiracy theories	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32927311">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32927311</a>	United Arab Emirates
53	Public perceptions, anxiety and the perceived efficacy of health-protective behaviors to mitigate the spread of the SARS-Cov-2/ COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32927291">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32927291</a>	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

## [Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years](#)

The future trajectory of the Covid-19 pandemic hinges on the dynamics of adaptive immunity against SARS-CoV2; however, salient features of the immune response elicited by natural infection or vaccination are still uncertain.

## [A molecular trap against COVID-19](#)

The cell surface peptidase angiotensin-converting enzyme 2 (ACE2) is the primary receptor for the spike (S) fusion protein that facilitates cell entry of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Numerous studies are evaluating therapeutic and preventive treatments that block S protein interactions with ACE2 molecules that are expressed on host cells.

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