

# Eastern Mediterranean Health Genomics & Biotechnology Network



[www.emgen.net](http://www.emgen.net)

EMGEN newsletter (Special Issue-13 on Covid-19)

Number 3-85, July, 2020

## Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	Impact of the coronavirus disease 2019 (COVID-19) pandemic on pediatric oncology care in the Middle East, North Africa, and West Asia Region: a report from the Pediatric Oncology East and Mediterranean (POEM)	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648950">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648950</a>	Bahrain, Iran, Iraq, Jordan, Lebanon, Oman, Pakistan, Palestine, Saudi

Group		Arabia, Sudan, Syria, Yemen	
2	The use of radiological imaging alongside reverse transcriptase PCR in diagnosing novel coronavirus disease 2019: a narrative review	<a href="https://pubmed.ncbi.nlm.nih.gov/32638613/">https://pubmed.ncbi.nlm.nih.gov/32638613/</a>	Bahrain
3	Efficacy and safety of tocilizumab in critically ill adults with COVID-19 infection in Bahrain: a report of 5 cases	<a href="https://pubmed.ncbi.nlm.nih.gov/32632355/">https://pubmed.ncbi.nlm.nih.gov/32632355/</a>	Bahrain
4	Sustainable diabetes care services during COVID-19 pandemic	<a href="https://pubmed.ncbi.nlm.nih.gov/32623031/">https://pubmed.ncbi.nlm.nih.gov/32623031/</a>	Bahrain
5	The examination of sleep quality for frontline healthcare workers during the outbreak of COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/32592021/">https://pubmed.ncbi.nlm.nih.gov/32592021/</a>	Bahrain, Saudi Arabia, United Arab Emirates
6	On the potential role of exosomes in the COVID-19 reinfection/reactivation opportunity	<a href="https://pubmed.ncbi.nlm.nih.gov/32643586/">https://pubmed.ncbi.nlm.nih.gov/32643586/</a>	Egypt, Saudi Arabia
7	Natural-like products as potential SARS-CoV-2 Mpro inhibitors: in-silico drug discovery	<a href="https://pubmed.ncbi.nlm.nih.gov/32643529/">https://pubmed.ncbi.nlm.nih.gov/32643529/</a>	Egypt
8	Assessment of knowledge, attitudes, and perception of health care workers regarding COVID-19, a cross-sectional study from Egypt	<a href="https://pubmed.ncbi.nlm.nih.gov/32638199/">https://pubmed.ncbi.nlm.nih.gov/32638199/</a>	Egypt

<b>9</b>	Acute coronary syndromes in developing countries during the COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32638024">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32638024</a>	Egypt
<b>10</b>	Transcatheter drug delivery through bronchial artery for COVID-19: is it fiction or could it come true?	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32632766">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32632766</a>	Egypt
<b>11</b>	Correction to: rapid guide to the management of cardiac patients during the COVID-19 pandemic in Egypt: "a position statement of the Egyptian Society of Cardiology"	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32632659">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32632659</a>	Egypt
<b>12</b>	Evidence for SARS-CoV-2 infection of animal hosts	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32629960">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32629960</a>	Egypt, Saudi Arabia
<b>13</b>	Decisive leadership is a necessity in the COVID-19 response	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32628904">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32628904</a>	Egypt, Oman, Pakistan, Sumalia
<b>14</b>	Characteristics of COVID-19 disease in multiple sclerosis patients	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652473">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652473</a>	Iran
<b>15</b>	Paranasal sinuses computed tomography findings in anosmia of COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652405">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652405</a>	Iran
<b>16</b>	Update on neurological manifestations of COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652405">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652405</a>	Iran

		<a href="#">652139</a>	
<b>17</b>	Modification of existing occupational therapeutic protocols in response to new normal life after COVID 19: Letter to the Editor	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32617864">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32617864</a>	Iran
<b>18</b>	Low- dose systemic steroids, an emerging therapeutic option for COVID-19 related urticarial	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32649228">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32649228</a>	Iraq
<b>19</b>	A severe refractory COVID-19 patient responding to convalescent plasma; a case series	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32637086">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32637086</a>	Iraq
<b>20</b>	The short-term impact of COVID-19 pandemic on spine surgeons: a cross-sectional global study	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32591880">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32591880</a>	Jordan, Egypt, Iraq, Saudi Arabia
<b>21</b>	Knowledge and information sources about COVID-19 among university students in Jordan: a cross-sectional study	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32574314">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32574314</a>	Jordan, Pakistan
<b>22</b>	Spatiotemporal dynamics of COVID-19 epidemic in the State of Kuwait	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32619761">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32619761</a>	Kuwait
<b>23</b>	Obesity and higher risk for severe complications of Covid-19: what to do when the two pandemics meet	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32650354">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32650354</a>	Lebanon

24	SARS, MERS, COVID-19: clinical manifestations and organ-system complications: a mini review	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32633327">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32633327</a>	Lebanon
25	Concerns for low-resource countries, with under-prepared intensive care units, facing the COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32631682">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32631682</a>	Libya
26	A hypothesis on the role of the human immune system in covid-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32629204">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32629204</a>	Libya
27	Epidemiology and clinical features of coronavirus disease 2019 in Moroccan children	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32651306">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32651306</a>	Morocco
28	Contamination risk in urology operating room during the COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32638942">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32638942</a>	Morocco
29	COVID-19 and diabetes from IDF MENA region	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32592837">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32592837</a>	Morocco
30	Cancer management challenge in a developing country in COVID-19 pandemic: reflection of a group of Moroccan oncologists	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32583680">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32583680</a>	Morocco
31	Medical students' dilemma during the Covid-19 pandemic; between the will to help and the fear of contamination	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32578522">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32578522</a>	Morocco
32	BRAF-mutated metastatic colon cancers during COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32574135">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32574135</a>	Morocco

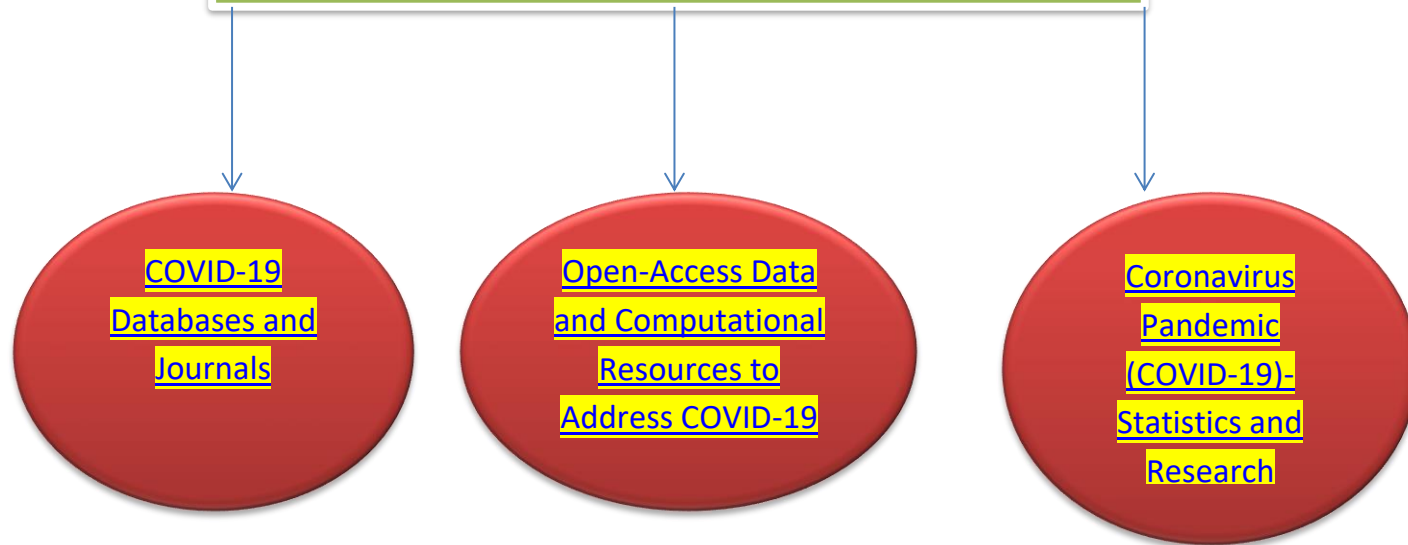
<b>33</b>	Epidemiology of COVID-19 infection in Oman: analysis of the first 1304 cases	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32647593">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32647593</a>	Oman
<b>34</b>	The mental health of health care workers in Oman during the COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32635837">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32635837</a>	Oman
<b>35</b>	COVID-19 and Salmonella Typhi co-epidemics in Pakistan: a real problem	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648942">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648942</a>	Pakistan
<b>36</b>	Social and administrative issues related to the COVID-19 pandemic in Pakistan: better late than never	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648218">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648218</a>	Pakistan
<b>37</b>	Possibility of Crimean-Congo hemorrhagic fever outbreak around Eid-ul-Adha in COVID-19 pandemic: a way forward for Pakistan	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32644233">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32644233</a>	Pakistan
<b>38</b>	Tocilizumab for COVID-19: a real 'miracle drug'?	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32644027">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32644027</a>	Pakistan
<b>39</b>	Religious cliché and stigma: a brief response to overlooked barriers in COVID-19 management	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32621495">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32621495</a>	Pakistan
<b>40</b>	Road toward rapid-molecular point of care test to detect novel SARS-coronavirus 2019 (COVID-19): review from updated literature	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32636083">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32636083</a>	Pakistan
<b>41</b>	Protein coding and long noncoding RNA (lncRNA) transcriptional landscape in SARS-CoV-2 infected bronchial epithelial cells highlight a role for interferon and inflammatory	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32646047">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32646047</a>	Qatar

response			
42	The landscape of medical literature in the era of COVID-19: original research versus opinion pieces	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32642930">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32642930</a>	Qatar
43	Anticoagulation clinic drive-up service during COVID-19 pandemic in Qatar	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32621151">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32621151</a>	Qatar
44	Guillain-Barre syndrome associated with SARS-CoV-2 detection and a COVID-19 infection in a child	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652520">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32652520</a>	Saudi Arabia, Egypt
45	Fallacies and Facts Around COVID-19: The Multifaceted Infection	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32649559">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32649559</a>	Saudi Arabia, Egypt, Jordan
46	Qualitative analysis of a mathematical model in the time of COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32596319">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32596319</a>	Saudi Arabia, Kuwait, Pakistan
47	Position statement of transplant activity in the Middle East in era of COVID-19 pandemic	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32541561">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32541561</a>	Saudi Arabia, Egypt, Kuwait
48	A Saudi family with sickle cell disease presented with acute crises and COVID-19 infection	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648991">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32648991</a>	Saudi Arabia
49	Hydroxychloroquine safety: a meta-analysis of randomized controlled trials	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32645478">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32645478</a>	Saudi Arabia
50	COVID-19 and lessons learned from the pandemic wave of meningococcal meningitis (1985-1990)	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32528206">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32528206</a>	Sudan

51	A review of potential treatments to date in COVID-19 patients according to the stage of the disease	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32540367">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32540367</a>	Syria
52	The substantial awareness role of web-based and social media platforms in developing countries during a pandemic scenario: the example of COVID-19	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32490518">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32490518</a>	Syria
53	Comparative genomic signature representations of the emerging COVID-19 coronavirus and other coronaviruses: high identity and possible recombination between Bat and Pangolin coronaviruses.	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32645523">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32645523</a>	Tunisia
54	Challenges for cancer patients returning home during SARS-COV-19 pandemic after medical tourism - a consensus report by the emirates oncology task force	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32650756">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32650756</a>	United Arab Emirates
55	Laboratory diagnosis of SARS-CoV-2: available approaches and limitations	<a href="https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32607246">https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32607246</a>	Yemen



## Reliable Websites to get Coronavirus updates



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

# New Findings

## [Socio-economic, environmental impacts of COVID-19 quantified](#)

How is COVID-19 impacting people and the planet and what are the implications for a post-pandemic world? A new study quantifies the socio-economic losses and environmental gains.

## [Researchers find rise in broken heart syndrome during COVID-19 pandemic](#)

Researchers have found a significant increase in patients experiencing stress cardiomyopathy, also known as broken heart syndrome, during the COVID-19 pandemic.

**EMGEN Secretariat:**

Biotechnology Research Center, Department of Medical Biotechnology, Pasteur Institute of Iran (PII), No. 69, Pasteur Ave, Tehran, Iran.

**Tel:** +9821 64112444

**Fax:** +9821 66480780

E-mail: [Emgen@pasteur.ac.ir](mailto:Emgen@pasteur.ac.ir)