

# Eastern Mediterranean Health Genomics & Biotechnology Network



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

EMGEN newsletter (Special Issue-31 on Covid-19)

Number 4-05, Dec, 2020

## Corona Virus Research and EMRO countries

Row	Article	link	Country
1	Afghanistan braced for second wave of COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33248487">https://pubmed.ncbi.nlm.nih.gov/33248487</a>	Afghanistan
2	Supporting SARS-CoV-2 papain-like protease drug discovery: <i>In silico</i> methods and	<a href="https://pubmed.ncbi.nlm.nih.gov/33251185">https://pubmed.ncbi.nlm.nih.gov/33251185</a>	Egypt, Bahrain

---

benchmarking

3	Barriers for resuming endoscopy service in the context of COVID-19 pandemic: a multicenter survey from Egypt	<a href="https://pubmed.ncbi.nlm.nih.gov/33268968">https://pubmed.ncbi.nlm.nih.gov/33268968</a>	Egypt
4	Covid-19: urgent call to action	<a href="https://pubmed.ncbi.nlm.nih.gov/33267767">https://pubmed.ncbi.nlm.nih.gov/33267767</a>	Egypt
5	Genomic characterization of SARS-CoV-2 in Egypt	<a href="https://pubmed.ncbi.nlm.nih.gov/33262895">https://pubmed.ncbi.nlm.nih.gov/33262895</a>	Egypt
6	An analytical study of the factors that influence COVID-19 spread	<a href="https://pubmed.ncbi.nlm.nih.gov/33262677">https://pubmed.ncbi.nlm.nih.gov/33262677</a>	Egypt, Saudi Arabia
7	Neurosurgical education during COVID-19: challenges and lessons learned in Egypt	<a href="https://pubmed.ncbi.nlm.nih.gov/33262563">https://pubmed.ncbi.nlm.nih.gov/33262563</a>	Egypt
8	Levels of fear and uncertainty regarding the spread of coronavirus disease (COVID-19) among university students	<a href="https://pubmed.ncbi.nlm.nih.gov/33258117">https://pubmed.ncbi.nlm.nih.gov/33258117</a>	Egypt, Saudi Arabia
9	Second wave of Covid-19 is determined by immune mechanism	<a href="https://pubmed.ncbi.nlm.nih.gov/33254544">https://pubmed.ncbi.nlm.nih.gov/33254544</a>	Egypt
10	A gapless, unambiguous RNA metagenome-assembled genome sequence of a unique SARS-CoV-2 variant encoding spike S813I and	<a href="https://pubmed.ncbi.nlm.nih.gov/33253058">https://pubmed.ncbi.nlm.nih.gov/33253058</a>	Egypt

---

ORF1a A859V substitutions

- |    |   |   |       |
|----|---|---|-------|
| 11 | A multivariate data analysis approach for investigating daily statistics of countries affected with COVID-19 pandemic   | <a href="https://pubmed.ncbi.nlm.nih.gov/33251372">https://pubmed.ncbi.nlm.nih.gov/33251372</a> | Egypt |
| 12 | Association of COVID-19 and other viral infections with interstitial lung diseases, pulmonary fibrosis, and pulmonary hypertension: a narrative review                          | <a href="https://pubmed.ncbi.nlm.nih.gov/33274259">https://pubmed.ncbi.nlm.nih.gov/33274259</a> | Iran  |
| 13 | Current status of COVID-19 pandemic; characteristics, diagnosis, prevention, and treatment  | <a href="https://pubmed.ncbi.nlm.nih.gov/33273946">https://pubmed.ncbi.nlm.nih.gov/33273946</a> | Iran  |
| 14 | The possible role of glucose-6-phosphate dehydrogenase deficiency in COVID-19 global prevalence and distribution  | <a href="https://pubmed.ncbi.nlm.nih.gov/33273937">https://pubmed.ncbi.nlm.nih.gov/33273937</a> | Iran  |
| 15 | Cardiac anesthesia and COVID-19 outbreak: What should we know?  | <a href="https://pubmed.ncbi.nlm.nih.gov/33273934">https://pubmed.ncbi.nlm.nih.gov/33273934</a> | Iran  |
| 16 | The effect of propolis supplementation on clinical symptoms in patients with coronavirus (COVID-19): a structured summary of a study protocol for a randomised controlled trial | <a href="https://pubmed.ncbi.nlm.nih.gov/33272309">https://pubmed.ncbi.nlm.nih.gov/33272309</a> | Iran  |

17	A double-edged sword of using opioids and COVID-19: a toxicological view	<a href="https://pubmed.ncbi.nlm.nih.gov/33272308">https://pubmed.ncbi.nlm.nih.gov/33272308</a>	Iran
18	The impact of COVID-19 pandemic on dental practice in Iran: a questionnaire-based report	<a href="https://pubmed.ncbi.nlm.nih.gov/33272261">https://pubmed.ncbi.nlm.nih.gov/33272261</a>	Iran
19	Therapeutic measures for the novel Coronavirus: a review of current status and future perspective	<a href="https://pubmed.ncbi.nlm.nih.gov/33272178">https://pubmed.ncbi.nlm.nih.gov/33272178</a>	Iran
20	Asia and COVID-19; the need to continue mental health care to prevent the spread of suicide in the elderly	<a href="https://pubmed.ncbi.nlm.nih.gov/33271731">https://pubmed.ncbi.nlm.nih.gov/33271731</a>	Iran
21	Cardiovascular diseases burden in COVID-19: systematic review and meta-analysis	<a href="https://pubmed.ncbi.nlm.nih.gov/33268238">https://pubmed.ncbi.nlm.nih.gov/33268238</a>	Iran
22	COVID-CheXNet: hybrid deep learning framework for identifying COVID-19 virus in chest X-rays images	<a href="https://pubmed.ncbi.nlm.nih.gov/33250662">https://pubmed.ncbi.nlm.nih.gov/33250662</a>	Iraq
23	Letter to the editor: the placenta and COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33248719">https://pubmed.ncbi.nlm.nih.gov/33248719</a>	Iraq
24	Pleural effusion in a patient with COVID-19 pneumonia and lung cancer: a case report	<a href="https://pubmed.ncbi.nlm.nih.gov/33240788">https://pubmed.ncbi.nlm.nih.gov/33240788</a>	Iraq
25	Assessment of COVID-19 treatment containing both hydroxychloroquine and azithromycin: a natural clinical trial	<a href="https://pubmed.ncbi.nlm.nih.gov/33231925">https://pubmed.ncbi.nlm.nih.gov/33231925</a>	Iraq, Jordan

<b>26</b>	Politicizing the pandemic: a schemata analysis of COVID-19 news in two selected newspapers	<a href="https://pubmed.ncbi.nlm.nih.gov/33214736">https://pubmed.ncbi.nlm.nih.gov/33214736</a>	Iraq
<b>27</b>	COVID-19 misinformation: mere harmless delusions or much more? a knowledge and attitude cross-sectional study among the general public residing in Jordan	<a href="https://pubmed.ncbi.nlm.nih.gov/33270783">https://pubmed.ncbi.nlm.nih.gov/33270783</a>	Jordan
<b>28</b>	Carnosine to combat novel Coronavirus (nCoV): molecular docking and modeling to cocrystallized host angiotensin-converting enzyme 2 (ACE2) and viral spike protein	<a href="https://pubmed.ncbi.nlm.nih.gov/33260592">https://pubmed.ncbi.nlm.nih.gov/33260592</a>	Jordan
<b>29</b>	Chemocentric informatics analysis: dexamethasone versus combination therapy for COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33251412">https://pubmed.ncbi.nlm.nih.gov/33251412</a>	Jordan
<b>30</b>	Impact of COVID-19 pandemic on the continuity of care for dermatologic patients on systemic therapy during the period of strict lockdown	<a href="https://pubmed.ncbi.nlm.nih.gov/33251007">https://pubmed.ncbi.nlm.nih.gov/33251007</a>	Jordan
<b>31</b>	Management of COVID-19 crisis; focus on immunization, vaccination, and safe re-locating of health care providers	<a href="https://pubmed.ncbi.nlm.nih.gov/33251006">https://pubmed.ncbi.nlm.nih.gov/33251006</a>	Jordan
<b>32</b>	Coronaviruses in children: a review of potential mechanisms of childhood protection	<a href="https://pubmed.ncbi.nlm.nih.gov/33247469">https://pubmed.ncbi.nlm.nih.gov/33247469</a>	Jordan

<b>33</b>	Willingness of parents to vaccinate their children against influenza and COVID-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33271188">https://pubmed.ncbi.nlm.nih.gov/33271188</a>	Kuwait
<b>34</b>	Maternal and perinatal characteristics and outcomes of pregnancies complicated with COVID-19 in Kuwait	<a href="https://pubmed.ncbi.nlm.nih.gov/33267785">https://pubmed.ncbi.nlm.nih.gov/33267785</a>	Kuwait
<b>35</b>	Outcomes of COVID-19: disparities by ethnicity	<a href="https://pubmed.ncbi.nlm.nih.gov/33246086">https://pubmed.ncbi.nlm.nih.gov/33246086</a>	Kuwait
<b>36</b>	The impact of COVID-19 pandemic on blood supplies and transfusion services in Eastern Mediterranean Region	<a href="https://pubmed.ncbi.nlm.nih.gov/33262967">https://pubmed.ncbi.nlm.nih.gov/33262967</a>	Lebanon, Oman, Egypt, Saudi Arabia, Iran, Sudan, Morocco, Qatar, Jordan, Bahrain, Tunisia, Pakistan, United Arab Emirates
<b>37</b>	Pityriasis rosea as a leading manifestation of COVID-19 infection	<a href="https://pubmed.ncbi.nlm.nih.gov/33258224">https://pubmed.ncbi.nlm.nih.gov/33258224</a>	Lebanon
<b>38</b>	COVID-19 national lockdown in morocco: impacts on air quality and public health	<a href="https://pubmed.ncbi.nlm.nih.gov/33263072">https://pubmed.ncbi.nlm.nih.gov/33263072</a>	Morocco
<b>39</b>	Chronic diseases and COVID-19: a review	<a href="https://pubmed.ncbi.nlm.nih.gov/33261545">https://pubmed.ncbi.nlm.nih.gov/33261545</a>	Morocco
<b>40</b>	COVID-19 in a case previously infected with MERS-CoV: no cross immunity	<a href="https://pubmed.ncbi.nlm.nih.gov/33271173">https://pubmed.ncbi.nlm.nih.gov/33271173</a>	Oman

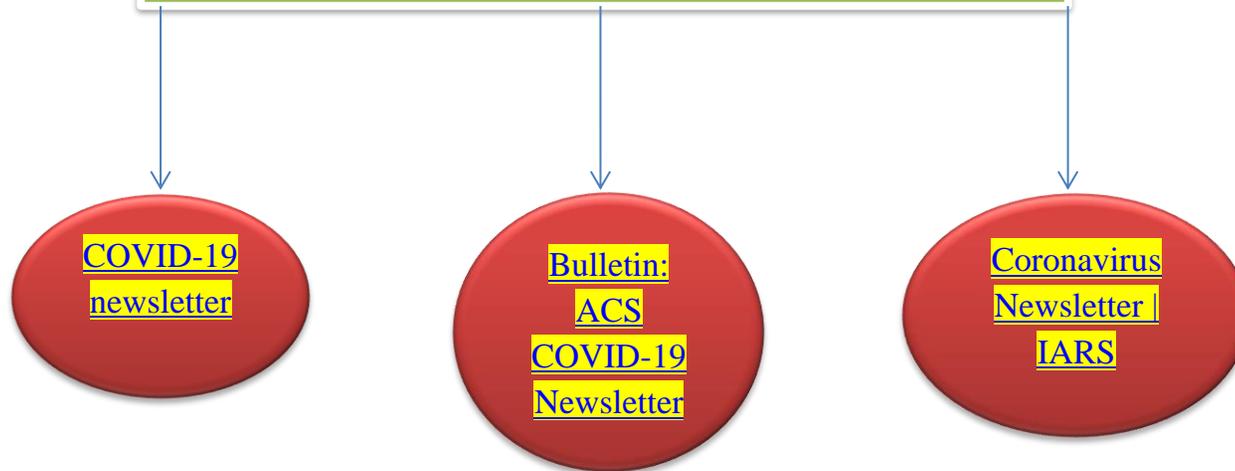
41	Reinfection of COVID-19 in Pakistan: a first case report	<a href="https://pubmed.ncbi.nlm.nih.gov/33262913">https://pubmed.ncbi.nlm.nih.gov/33262913</a>	Pakistan
42	Vitamin D and COVID-19: does a deficiency point towards an unfavorable outcome?	<a href="https://pubmed.ncbi.nlm.nih.gov/33257908">https://pubmed.ncbi.nlm.nih.gov/33257908</a>	Pakistan
43	Alcohol consumption and obesity: the hidden scare with COVID-19 severity	<a href="https://pubmed.ncbi.nlm.nih.gov/33254576">https://pubmed.ncbi.nlm.nih.gov/33254576</a>	Pakistan
44	Forecasting COVID-19 in Pakistan	<a href="https://pubmed.ncbi.nlm.nih.gov/33253248">https://pubmed.ncbi.nlm.nih.gov/33253248</a>	Pakistan
45	Synthetic flavonoids as potential antiviral agents against SARS-CoV-2 main protease	<a href="https://pubmed.ncbi.nlm.nih.gov/33251983">https://pubmed.ncbi.nlm.nih.gov/33251983</a>	Pakistan
46	Telepsychiatry in the Persian Gulf region - implications beyond the Covid-19 pandemic	<a href="https://pubmed.ncbi.nlm.nih.gov/33271697">https://pubmed.ncbi.nlm.nih.gov/33271697</a>	Qatar
47	A patient with asymptomatic SARS-CoV-2 infection who presented 86 days later with COVID-19 pneumonia possibly due to reinfection with SARS-CoV-2	<a href="https://pubmed.ncbi.nlm.nih.gov/33257644">https://pubmed.ncbi.nlm.nih.gov/33257644</a>	Qatar
48	Randomized double-blinded placebo-controlled trial of hydroxychloroquine with or without azithromycin for virologic cure of non-severe Covid-19	<a href="https://pubmed.ncbi.nlm.nih.gov/33251500">https://pubmed.ncbi.nlm.nih.gov/33251500</a>	Qatar
49	Multiple microbleeds: a serious neurological manifestation in a critically ill COVID-19 patient	<a href="https://pubmed.ncbi.nlm.nih.gov/33250751">https://pubmed.ncbi.nlm.nih.gov/33250751</a>	Qatar

50	Association of COVID-19 pandemic with undergraduate medical students' perceived stress and coping	<a href="https://pubmed.ncbi.nlm.nih.gov/33273871">https://pubmed.ncbi.nlm.nih.gov/33273871</a>	Saudi Arabia
51	First COVID-19 molecular docking with a chalcone-based compound: synthesis, single-crystal structure and Hirshfeld surface analysis study	<a href="https://pubmed.ncbi.nlm.nih.gov/33273140">https://pubmed.ncbi.nlm.nih.gov/33273140</a>	Saudi Arabia
52	Identification of persuasive antiviral natural compounds for COVID-19 by targeting endoribonuclease NSP15: a structural-bioinformatics approach	<a href="https://pubmed.ncbi.nlm.nih.gov/33271751">https://pubmed.ncbi.nlm.nih.gov/33271751</a>	Saudi Arabia
53	Stress and emotional wellbeing of parents due to change in routine for children with Autism Spectrum Disorder (ASD) at home during COVID-19 pandemic in Saudi Arabia	<a href="https://pubmed.ncbi.nlm.nih.gov/33271447">https://pubmed.ncbi.nlm.nih.gov/33271447</a>	Saudi Arabia
54	Digestive surgical emergencies during the COVID-19 pandemic are deeply affected and more advanced	<a href="https://pubmed.ncbi.nlm.nih.gov/33272819">https://pubmed.ncbi.nlm.nih.gov/33272819</a>	Tunisia
55	Estimating transmission dynamics and serial interval of the first wave of COVID-19 infections under different control measures: a statistical analysis in Tunisia from February 29 to May 5, 2020	<a href="https://pubmed.ncbi.nlm.nih.gov/33267823">https://pubmed.ncbi.nlm.nih.gov/33267823</a>	Tunisia

---

56	Moderation effect of physical activity on the relationship between fear of COVID-19 and general distress: a pilot case study in Arabic countries	<a href="https://pubmed.ncbi.nlm.nih.gov/33071900">https://pubmed.ncbi.nlm.nih.gov/33071900</a>	Tunisia
57	The dynamic association between COVID-19 and chronic disorders: An updated insight into prevalence mechanism and therapeutic modalities	<a href="https://pubmed.ncbi.nlm.nih.gov/33264669">https://pubmed.ncbi.nlm.nih.gov/33264669</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

## [Aspirin use reduces risk of death in hospitalized COVID-19 patients](#)

Hospitalized COVID-19 patients who were taking a daily low-dose aspirin to protect against cardiovascular disease had a significantly lower risk of complications and death compared to those who were not taking aspirin, according to a new study.

## [COVID-19 anxiety linked to body image issues](#)

A new study has found that anxiety and stress directly linked to COVID-19 could be causing a number of body image issues. The research, which involved 506 UK adults, found that worries linked to COVID-19 were associated with body dissatisfaction and a desire for thinness in women, and associated with body fat dissatisfaction and a desire for muscularity in men.

**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)