Eastern Mediterranean Health Genomics & Biotechnology Network

www.emgen.net EMGEN newsletter (Special Issue-107 on COVID-19) Number 5-26, May, 2022

Novel Coronavirus (COVID-19) Research and EMRO countries

Row	Article	link	Country
1	The impact of COVID-19 pandemic lockdown on routine immunization in the province of Laghman, Afghanistan	https://pubmed.ncbi.nlm.nih.gov/35547645	Afghanistan
2	Effect of intra-nasal nitrilotriacetic acid trisodium salt in lowering elevated calcium	https://pubmed.ncbi.nlm.nih.gov/35567630	Egypt

	cations and improving olfactory dysfunction in COVID-19 patients		
3	Conducting the RBD of SARS-CoV-2 Omicron variant with phytoconstituents from *Euphorbia dendroides* to repudiate the binding of spike glycoprotein using computational molecular search and simulation approach	https://pubmed.ncbi.nlm.nih.gov/35566281	Egypt, Saudi Arabia
4	Docking analysis of some bioactive compounds from traditional plants against SARS-CoV-2 target proteins	https://pubmed.ncbi.nlm.nih.gov/35566014	Egypt, Saudi Arabia,
5	COVID-19 vaccine acceptance among social media users: a content analysis, multi-continent study	https://pubmed.ncbi.nlm.nih.gov/35565132	Egypt, Saudi Arabia, Iraq, Sudan, Kuwait, United Arab Emirates
6	Human Wharton's Jelly mesenchymal stem cells secretome inhibits human SARS-CoV-2 and avian infectious bronchitis coronaviruses	https://pubmed.ncbi.nlm.nih.gov/35563714	Egypt
7	COVID-19 and corticosteroids: a narrative review	https://pubmed.ncbi.nlm.nih.gov/35562628	Egypt, Iraq
8	Selinexor and COVID-19: the neglected warden	https://pubmed.ncbi.nlm.nih.gov/35559257	Egypt, Saudi Arabia, Iraq
9	Technostress creators and outcomes among Egyptian medical staff and students: a multicenter cross-sectional study of remote working environment during COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35558536	Egypt

10	Experience of the Egyptian physical therapy educators on the online teaching during COVID-19 outbreak 2021	https://pubmed.ncbi.nlm.nih.gov/35549657	Egypt
11	Spectrofluorimetric determination of the anti-COVID-19 agent; Remdesivir in vials and spiked human plasma	https://pubmed.ncbi.nlm.nih.gov/35548893	Egypt
12	Evaluation of blood and biochemical parameters of COVID-19 patients in Suez Canal University Hospital; a retrospective study	https://pubmed.ncbi.nlm.nih.gov/35544618	Egypt
13	Genome sequencing reveals existence of SARS-CoV-2 B.1.1.529 variant in Egypt	https://pubmed.ncbi.nlm.nih.gov/35543892	Egypt
14	Human T-lymphotropic virus type 1 and novel Coronavirus Disease 2019; more complex than just a simple coinfection	https://pubmed.ncbi.nlm.nih.gov/35569772	Iran
15	Medium-term outcomes of COVID-19 infection after kidney transplantation for ongoing living and deceased kidney transplantations within the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35568974	Iran
16	Altered hepatitis C testing and treatment beyond the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35568527	Iran
17	Melatonin as a complementary and prophylactic agent against COVID-19 in high-risk populations: a narrative review of recent findings from clinical and preclinical studies	https://pubmed.ncbi.nlm.nih.gov/35567287	Iran

18	An overview of current drugs and prophylactic vaccines for coronavirus disease 2019 (COVID-19)	https://pubmed.ncbi.nlm.nih.gov/35562685	Iran
19	A new insight into the transfer and delivery of anti-SARS-CoV-2 drug Carmofur with the assistance of graphene oxide quantum dot as a highly efficient nanovector toward COVID-19 by molecular dynamics simulation	https://pubmed.ncbi.nlm.nih.gov/35558858	Iran
20	Exacerbation of congenital hydronephrosis as the first presentation of COVID-19 infection in children	https://pubmed.ncbi.nlm.nih.gov/35558565	Iran
21	Global prevalence and subgroup analyses of coronavirus disease (COVID-19) associated *Candida auris* infections (CACa): a systematic review and meta-analysis	https://pubmed.ncbi.nlm.nih.gov/35555921	Iran
22	Gastrointestinal manifestations in patients with coronavirus disease-2019 (COVID-19): impact on clinical outcomes	https://pubmed.ncbi.nlm.nih.gov/35548178	Iran
23	New-onset acute ischemic stroke following COVID-19: a case-control study	https://pubmed.ncbi.nlm.nih.gov/35548177	Iran
24	Association of systemic complications with mortality in coronavirus disease of 2019: a cohort study on intensive care unit patients	https://pubmed.ncbi.nlm.nih.gov/35548176	Iran
25	Indole alkaloids as potential candidates against COVID-19: an *in silico* study	https://pubmed.ncbi.nlm.nih.gov/35546368	Iran

26	Exploring the quality of life of cosmetic users: a cross-sectional analysis from eight Arab countries in the Middle East	https://pubmed.ncbi.nlm.nih.gov/35567513	Iraq, Qatar, Lebanon, United Arab Emirates, Jordan, Kuwait, Oman
27	Trends in COVID-19: incidence, mortality, and case fatality in Iraq	https://pubmed.ncbi.nlm.nih.gov/35537730	Iraq
28	COVID-19 vaccination hesitancy among Iraqi general population between beliefs and barriers: an observational study	https://pubmed.ncbi.nlm.nih.gov/35529280	Iraq
29	COVID-19 vaccination hesitancy: a review of the literature and recommendations	https://pubmed.ncbi.nlm.nih.gov/35549859	Jordan, United Arab Emirates
30	COVID-19 epidemiology and changes in health service utilization in Azraq and Zaatari refugee camps in Jordan: a retrospective cohort study	https://pubmed.ncbi.nlm.nih.gov/35536871	Jordan
31	Complex regional pain syndrome as a sequala of COVID-19 pneumonia	https://pubmed.ncbi.nlm.nih.gov/35568515	Kuwait
32	Manifestation of generalized anxiety disorder and its association with somatic symptoms among occupational and physical therapists during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35548079	Kuwait
33	COVID-19 outcomes among rheumatic disease patients in Kuwait: data from the COVID-19 Global Rheumatology Alliance (C19-GRA) physician registry	https://pubmed.ncbi.nlm.nih.gov/35543332	Kuwait

34	Impact of COVID-19 on surgical interventions and medical practices in pediatric otolaryngology: a narrative review	https://pubmed.ncbi.nlm.nih.gov/35530923	Kuwait
35	The pathophysiology of long COVID throughout the renin-angiotensin system	https://pubmed.ncbi.nlm.nih.gov/35566253	Lebanon
36	Recall of pre-existing cross-reactive B cell memory following Omicron BA.1 breakthrough infection	https://pubmed.ncbi.nlm.nih.gov/35549299	Lebanon
37	Apparent association of insulin with interleukin-6 (IL-6) in severe COVID-19 patients having chronic disease comorbidities	https://pubmed.ncbi.nlm.nih.gov/35530861	Libya
38	Relationship between meteorological and air quality parameters and COVID-19 in Casablanca Region, Morocco	https://pubmed.ncbi.nlm.nih.gov/35564384	Morocco
39	Acute hepatitis with portal and mesenteric vein thrombosis revealing SARS-CoV-2 infection: case report and literature review	https://pubmed.ncbi.nlm.nih.gov/35531429	Morocco
40	COVID-19 associated mucormycosis: opportunistic fungal infection. a case series and review	https://pubmed.ncbi.nlm.nih.gov/35533833	Oman
41	*In silico* mutational analysis of ACE2 to check the susceptibility of lung cancer patients towards COVID-19	https://pubmed.ncbi.nlm.nih.gov/35552474	Pakistan, Libya, Saudi Arabia

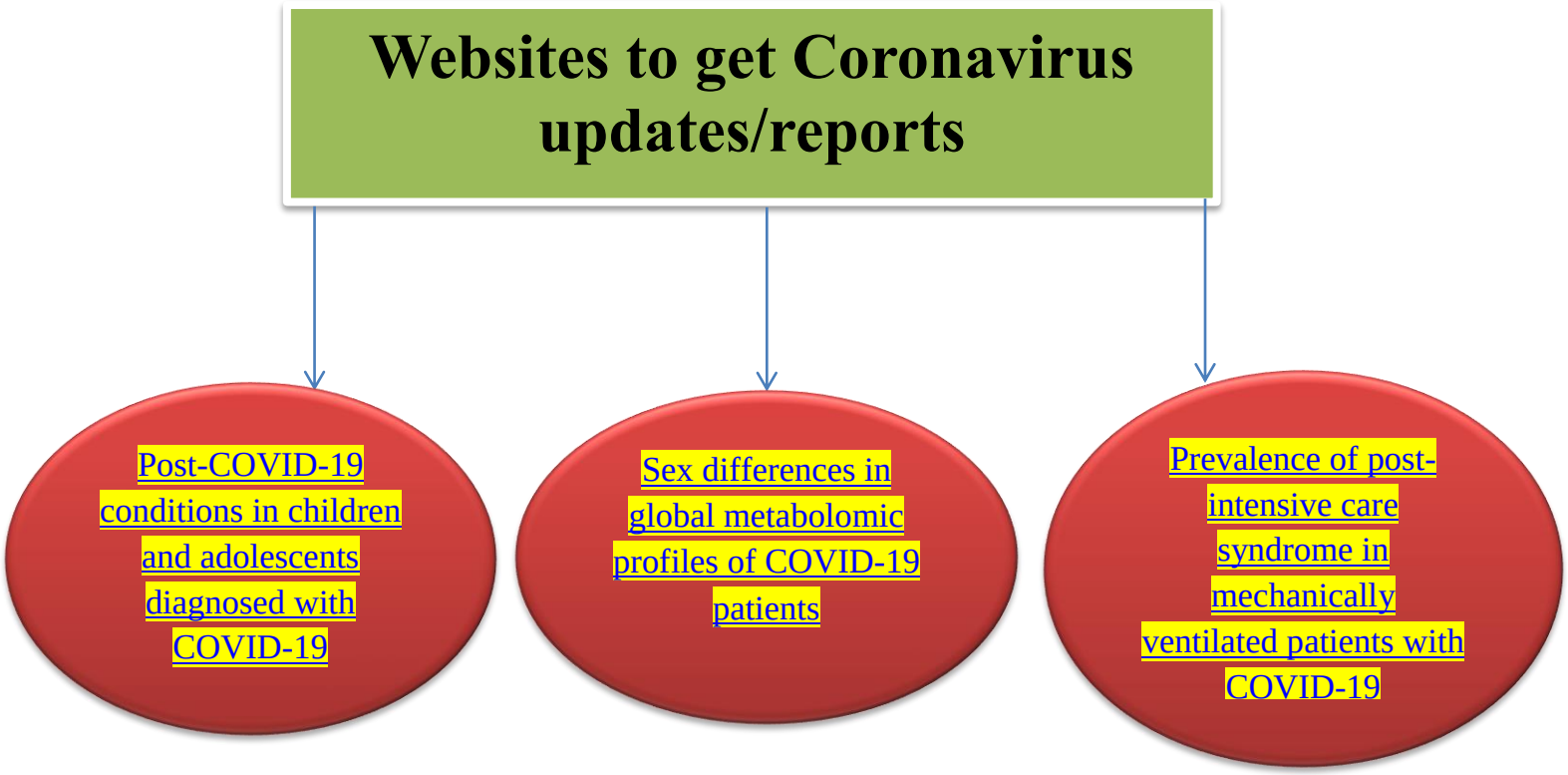
42	Bioinformatics-based approaches to study virus-host interactions during SARS-CoV-2 infection	https://pubmed.ncbi.nlm.nih.gov/35554909	Pakistan
43	Suicidal ideation amid COVID-19 pandemic: a cross-sectional study among healthcare workers during the first wave of COVID-19 in Pakistan	https://pubmed.ncbi.nlm.nih.gov/35548858	Pakistan, Saudi Arabia
44	Unnecessary use of corticosteroids for managing early mild symptoms of COVID-19 may lead to rhino-ortibal-cerebral mucormycosis in patients with diabetes - a case series from Lahore, Pakistan	https://pubmed.ncbi.nlm.nih.gov/35547833	Pakistan
45	Aspergillosis and mucormycosis in COVID-19 patients: a systematic review	https://pubmed.ncbi.nlm.nih.gov/35546702	Pakistan
46	Indirect effects of COVID-19 pandemic on reproductive, maternal, newborn and child health services in Pakistan	https://pubmed.ncbi.nlm.nih.gov/35545906	Pakistan
47	Immune-related therapeutics: an update on antiviral drugs and vaccines to tackle the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35538681	Pakistan
48	Developing mental health competency in undergraduate nursing students amid pandemic: a hybrid model approach	https://pubmed.ncbi.nlm.nih.gov/35528609	Pakistan
49	Susceptibility of children with congenital heart disease to coronavirus disease 2019: a potential challenge as schools reopen	https://pubmed.ncbi.nlm.nih.gov/35527754	Pakistan

50	Development of evidence-based COVID-19 management guidelines for local context: the methodological challenges	https://pubmed.ncbi.nlm.nih.gov/35492871	Pakistan
51	Analyzing inherent biases in SARS-CoV-2 PCR and serological epidemiologic metrics	https://pubmed.ncbi.nlm.nih.gov/35562700	Qatar, Lebanon
52	Soluble ACE2 and angiotensin II levels are modulated in hypertensive COVID-19 patients treated with different antihypertension drugs	https://pubmed.ncbi.nlm.nih.gov/35548940	Qatar
53	Nitric oxide in the management of respiratory consequences in COVID-19: a scoping review of a different treatment approach	https://pubmed.ncbi.nlm.nih.gov/35530860	Qatar
54	Mental health problems, burnout and resilience in community pharmacists during the COVID-19 pandemic: a cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35529886	Qatar
55	Nigella sativa L. and COVID-19: a glance at the anti-COVID-19 chemical constituents, clinical trials, inventions, and patent literature	https://pubmed.ncbi.nlm.nih.gov/35566101	Saudi Arabia, Oman
56	Sleep quality, insomnia, anxiety, fatigue, stress, memory and active coping during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/35564337	Saudi Arabia, Jordan
57	The role of *Cannabis sativa* L. as a source of cannabinoids against Coronavirus 2 (SARS-CoV-2): an *in silico* study to evaluate their activities and ADMET properties	https://pubmed.ncbi.nlm.nih.gov/35566148	Saudi Arabia, Egypt

58	Sampling inspection plan to test daily COVID-19 cases using gamma distribution under indeterminacy based on multiple dependent scheme	https://pubmed.ncbi.nlm.nih.gov/35564703	Saudi Arabia
59	COVID-19 clinical profiles and fatality rates in hospitalized patients reveal case aggravation and selective co-infection by limited Gram-negative bacteria	https://pubmed.ncbi.nlm.nih.gov/35564665	Saudi Arabia
60	Sociodemographic predictors of confirmed COVID-19 mortality and hospitalization among patients in Saudi Arabia: analyzing a national COVID-19 database	https://pubmed.ncbi.nlm.nih.gov/35550940	Saudi Arabia
61	The severity and clinical characteristics of COVID-19 among patients with type 2 diabetes mellitus in Jazan, Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/35550472	Saudi Arabia
62	Changes in feeding behavior and feeding stress among mothers of preschoolers before and during the novel coronavirus pandemic	https://pubmed.ncbi.nlm.nih.gov/35548557	Saudi Arabia
63	Perceived stress and resilience levels during the COVID-19 pandemic among critical care nurses in Saudi Arabia: a correlational cross-sectional study	https://pubmed.ncbi.nlm.nih.gov/35547190	Saudi Arabia
64	Neuropsychiatric symptoms in post COVID-19 long haulers	https://pubmed.ncbi.nlm.nih.gov/35543105	Saudi Arabia

65	Women mental health status and behaviour change during the COVID-19 in Sudan	https://pubmed.ncbi.nlm.nih.gov/35529700	Sudan, Saudi Arabia
66	Eating disorder and anxiety during COVID-19 pandemic: the Maghrebian experience	https://pubmed.ncbi.nlm.nih.gov/35535952	Tunisia, Morocco
67	Phylogenetic and amino acid signature analysis of the SARS-CoV-2s lineages circulating in Tunisia	https://pubmed.ncbi.nlm.nih.gov/35552003	Tunisia
68	Guillain-Barré syndrome in a child with multisystem inflammatory syndrome related to COVID-19	https://pubmed.ncbi.nlm.nih.gov/35544724	Tunisia
69	Impacts of COVID-19 pandemic on geopolitics, health, economics, education and sociocultural events	https://pubmed.ncbi.nlm.nih.gov/35547647	United Arab Emirates, Libya
70	Lessons learned and recommendations from the COVID-19 pandemic: content analysis of semi-structured interviews with intensive care unit nurse managers in the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/35569817	United Arab Emirates, Egypt
71	Key dimer interface residues impact the catalytic activity of 3CLpro, the main protease of SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/35568197	United Arab Emirates
72	Clinical characteristics, risk factors for severity and pharmacotherapy in hospitalized COVID-19 patients in the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/35566563	United Arab Emirates

73	Identifying immunological and clinical predictors of COVID-19 severity and sequelae by mathematical modeling	https://pubmed.ncbi.nlm.nih.gov/35529862	United Arab Emirates



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

New Findings

Nearly 13 percent of COVID-19 hospitalized patients had serious neurologic symptoms, study finds

To describe the prevalence, associated risk factors and outcomes of serious neurologic manifestations among patients hospitalized with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection, researchers studied 16,225 patients from 179 hospitals in 24 countries as part of the Society for Critical Care Medicine's Viral Infection and Respiratory Illness University Study.

Correct dosage for ultraviolet disinfection against COVID

When the COVID-19 pandemic emerged, ultraviolet radiation became one of the go-to methods for preventing the spread of the SARS-CoV-2 virus, along with facemasks, hand sanitizer and social distancing. The problem: There was little research showing what UV dosage kills the virus. In a new study, researchers lay the foundation for health standards about what offers true disinfection.

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