

Occupational Health Alert

April 2020 issue of Occupational Health Alert is late due to lockdown. Kindly go through it, contains two topics- Effect of Covid-19 on Human Health & Covid-19 & Occupational Health. If any article required pl do ask.

Thanking you

Library & Information Officer

Occupational Health Alert

Effect of Covid-19 on Human Health

1.	<p>Be alert to superposed effect of seasonal influenza while fighting against COVID-19. Li TG, Wang M. Zhonghua Yu Fang Yi Xue Za Zhi. 2020 Apr 6;54(4):337-339. do</p>
2.	<p>Can Chinese Medicine Be Used for Prevention of Corona Virus Disease 2019 (COVID-19)? A Review of Historical Classics, Research Evidence and Current Prevention Programs. Luo H, Tang QL, Shang YX, Liang SB, Yang M, Robinson N, Liu JP. Chin J Integr Med. 2020 Apr;26(4):243-250.</p>
3.	<p>Clinical efficacy of lopinavir/ritonavir in the treatment of Coronavirus disease 2019. Ye XT, Luo YL, Xia SC, Sun QF, Ding JG, Zhou Y, Chen W, Wang XF, Zhang WW, Du WJ, Ruan ZW, Hong L. Eur Rev Med Pharmacol Sci. 2020 Mar;24(6):3390-3396.</p>
4.	<p>Coronavirus Disease 2019 (COVID-19): Do Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers Have a Biphasic Effect? Sommerstein R, Kochen MM, Messerli FH, Gräni C. J Am Heart Assoc. 2020 Apr 7;9(7):e01650</p>
5.	<p>Effect of delay in diagnosis on transmission of COVID-19. Rong XM, Yang L, Chu HD, Fan M. Math Biosci Eng. 2020 Mar 11;17(3):2725-2740.</p>
6.	<p>Induction of pro-inflammatory cytokines (IL-1 and IL-6) and lung inflammation by Coronavirus-19 (COVI-19 or SARS-CoV-2): anti-inflammatory strategies. Conti P, Ronconi G, Caraffa A, Gallenga CE, Ross R, Frydas I, Kritas SK. J Biol Regul Homeost Agents. 2020 Mar 14;34(2)</p>
7.	<p>Investigating the cases of novel coronavirus disease (COVID-19) in China using dynamic statistical techniques. Sarkodie SA, Owusu PA. Heliyon. 2020 Apr;6(4):e0374</p>

8.	<p>Lockdown contained the spread of 2019 novel coronavirus disease in Huangshi city, China: Early epidemiological findings. Ji T, Chen HL, Xu J, Wu LN, Li JJ, Chen K, Qin G. Clin Infect Dis. 2020 Apr 7. pii: ciaa390.</p>
9.	<p>Management of corona virus disease-19 (COVID-19): the Zhejiang experience. Xu K, Cai H, Shen Y, Ni Q, Chen Y, Hu S, Li J, Wang H, Yu L, Huang H, Qiu Y, Wei G, Fang Q, Zhou J, Sheng J, Liang T, Li L. Zhejiang Da Xue Xue Bao Yi Xue Ban. 2020 Feb 21;49(1):0.</p>
10.	<p>New insights on the antiviral effects of chloroquine against coronavirus: what to expect for COVID-19? Devaux CA, Rolain JM, Colson P, Raoult D. Int J Antimicrob Agents. 2020 Mar 12:10593</p>
11.	<p>Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study. Wu JT, Leung K, Leung GM. Lancet. 2020 Feb 29;395(10225):689-697.</p>
12.	<p>Organ-protective effect of angiotensin-converting enzyme 2 and its effect on the prognosis of COVID-19. Cheng H, Wang Y, Wang GQ. J Med Virol. 2020 Mar 27. doi: 10.1002/jmv.25785</p>
13.	<p>Pharmacotherapeutics for the new coronavirus pneumonia. Du B, Qiu HB, Zhan X, Wang YS, Kang HYJ, Li XY, Wang F, Sun B, Tong ZH. Zhonghua Jie He He Hu Xi Za Zhi. 2020 Mar 12;43(3):173-176</p>
14.	<p>Potential impact of seasonal forcing on a SARS-CoV-2 pandemic. Neher RA, Dyrdak R, Druelle V, Hodcroft EB, Albert J. Swiss Med Wkly. 2020 Mar 16;150:w20224</p>
15.	<p>Quarantine alone or in combination with other public health measures to control COVID-19: a rapid review. Nussbaumer-Streit B, Mayr V, Dobrescu AI, Chapman A, Persad E, Klerings I, Wagner G, Siebert U, Christof C, Zachariah C, Gartlehner G. Cochrane Database Syst Rev. 2020 Apr 8;4:CD013574.</p>

16.	<p>Rapid Detection of COVID-19 Causative Virus (SARS-CoV-2) in Human Nasopharyngeal Swab Specimens Using Field-Effect Transistor-Based Biosensor.</p> <p>Seo G, Lee G, Kim MJ, Baek SH, Choi M, Ku KB, Lee CS, Jun S, Park D, Kim HG, Kim SJ, Lee JO, Kim BT, Park EC, Kim SI. ACS Nano. 2020 Apr 15.</p>
17.	<p>Rapid establishment of traditional Chinese medicine prevention and treatment of 2019-nCoV based on clinical experience and molecular docking.</p> <p>Niu M, Wang RL, Wang ZX, Zhang P, Bai ZF, Jing J, Guo YM, Zhao X, Zhan XY, Zhang ZT, Song XA, Qin EQ, Wang JB, Xiao XH. Zhongguo Zhong Yao Za Zhi. 2020 Mar;45(6):1213-1218.</p>
18.	<p>Renin-angiotensin system inhibitors improve the clinical outcomes of COVID-19 patients with hypertension.</p> <p>Meng J, Xiao G, Zhang J, He X, Ou M, Bi J, Yang R, Di W, Wang Z, Li Z, Gao H, Liu L, Zhang G. Emerg Microbes Infect. 2020 Dec;9(1):757-760.</p>
19.	<p>Research progress of intervention of Chinese herbal medicine and its active components on human coronavirus</p> <p>Zhang YS, Cong WH, Zhang JJ, Guo FF, Li HM. Zhongguo Zhong Yao Za Zhi. 2020 Mar;45(6):1263-1271</p>
20.	<p>Role of changes in SARS-CoV-2 spike protein in the interaction with the human ACE2 receptor: An <i>in silico</i> analysis.</p> <p>Ortega JT, Serrano ML, Pujol F</p>
21.	<p>School Opening Delay Effect on Transmission Dynamics of Coronavirus Disease 2019 in Korea: Based on Mathematical Modeling and Simulation Study.</p> <p>Kim S, Kim YJ, Peck KR, Jung E. J Korean Med Sci. 2020 Apr 6;35(13):e143.</p>
22.	<p>Seasonality of Respiratory Viral Infections.</p> <p>Moriyama M, Hugentobler WJ, Iwasaki A. Annu Rev Virol. 2020 Mar 20.</p>
23.	<p>Study on treatment of "cytokine storm" by anti-2019-nCoV prescriptions based on arachidonic acid metabolic pathway</p> <p>Ren Y, Yao MC, Huo XQ, Gu Y, Zhu WX, Qiao YJ, Zhang YL. Zhongguo Zhong Yao Za Zhi. 2020 Mar;45(6):1225-1231</p>

24.	<p>The FDA-approved Drug Ivermectin inhibits the replication of SARS-CoV-2 in vitro. Caly L, Druce JD, Catton MG, Jans DA, Wagstaff KM. Antiviral Res. 2020 Apr 3:104787</p>
25.	<p>The keypoints in treatment of the critical coronavirus disease 2019 patient(2)]. Li XY, Du B, Wang YS, Kang HYJ, Wang F, Sun B, Qiu HB, Tong ZH. Zhonghua Jie He He Hu Xi Za Zhi. 2020 Apr 12;43(4):277-281.</p>
26.	<p>The novel zoonotic COVID-19 pandemic: An expected global health concern. Contini C, Di Nuzzo M, Barp N, Bonazza A, De Giorgio R, Tognon M, Rubino S. J Infect Dev Ctries. 2020 Mar 31;14(3):254-264</p>
27.	<p>The effect of human mobility and control measures on the COVID-19 epidemic in China. Kraemer MUG, Yang CH, Gutierrez B, Wu CH, Klein B, Pigott DM; Open COVID-19 Data Working Group, du Plessis L, Faria NR, Li R, Hanage WP, Brownstein JS, Layan M, Vespignani A, Tian H, Dye C, Pybus OG, Scarpino SV. Science. 2020 Mar 25. pii: eabb4218.</p>
28.	<p>Traditional Chinese Medicine in the Treatment of Patients Infected with 2019-New Coronavirus (SARS-CoV-2): A Review and Perspective. Yang Y, Islam MS, Wang J, Li Y, Chen X. Int J Biol Sci. 2020 Mar 15;16(10):1708-1717</p>
29.	<p>Traditional Chinese Medicine: an effective treatment for 2019 novel coronavirus pneumonia (NCP). DU HZ, Hou XY, Miao YH, Huang BS, Liu DH. Chin J Nat Med. 2020 Mar;18(3):206-210</p>

Covid-19 & Occupational Health

Date from 2020/03/01 to 2020/04/30

1)	<p>A field indoor air measurement of SARS-CoV-2 in the patient rooms of the largest hospital in Iran.</p> <p>Faridi S, Niazi S, Sadeghi K, Naddafi K, Yavarian J, Shamsipour M, Jandaghi NZS, Sadeghniaat K, Nabizadeh R, Yunesian M, Momeniha F, Mokamel A, Hassanvand MS, MokhtariAzad T. Sci Total Environ. 2020 Apr 6;725:138401.</p>
2)	<p>Airborne or droplet precautions for health workers treating COVID-19?</p> <p>Bahl P, Doolan C, de Silva C, Chughtai AA, Bourouiba L, MacIntyre CR. J Infect Dis. 2020 Apr 16.</p>
3)	<p>Biosafety in the preparation and processing of cytology specimens with potential coronavirus (COVID-19) infection: Perspectives from Taiwan.</p> <p>Chen CC, Chi CY. Cancer Cytopathol. 2020 Apr 7.</p>
4)	<p>COVID-19 as a factor influencing air pollution?</p> <p>Dutheil F, Baker JS, Navel V. Environ Pollut. 2020 Apr 9;263(Pt A):114466.</p>
5)	<p>COVID-19 containment: China provides important lessons for global response.</p> <p>Zhang S, Wang Z, Chang R, Wang H, Xu C, Yu X, Tsamslag L, Dong Y, Wang H, Cai Y. Front Med. 2020 Mar 25.</p>
6)	<p>COVID-19 outbreak in Italy: protecting worker health and the response of the Italian Industrial Hygienists Association.</p> <p>Spinazzè A, Cattaneo A, Cavallo DM. Ann Work Expo Health. 2020 Apr 16. pii: wxaa044</p> <p>Transmission of COVID-19 to Health Care Personnel During Exposures to a Hospitalized Patient - Solano County, California, February 2020.</p> <p>Heinzerling A, Stuckey MJ, Scheuer T, Xu K, Perkins KM, Resseger H, Magill S, Verani JR, Jain S, Acosta M, Epson E. MMWR Morb Mortal Wkly Rep. 2020 Apr 17;69(15):472-476</p>

7)	<p>Covid-19: pregnant doctors should speak to occupational health, say experts. Rimmer A. BMJ. 2020 Mar 18;368:m1104.</p>
8)	<p>COVID-19: Protecting Healthcare Workers is a priority. Chirico F, Nucera G, Magnavita N. Infect Control Hosp Epidemiol. 2020 Apr 17:1-4.</p>
9)	<p>Covid-19: Protecting Worker Health. Semple S, Cherrie JW. Ann Work Expo Health. 2020 Mar 23</p>
10)	<p>Emerging infectious diseases and outbreaks: implications for women's reproductive health and rights in resource-poor settings. Chattu VK, Yaya S. Reprod Health. 2020 Apr 1;17(1):43.</p>
11)	<p>Hypothesis: angiotensin-converting enzyme inhibitors and angiotensin receptor blockers may increase the risk of severe COVID-19. Diaz JH. J Travel Med. 2020 Mar 18. pii: taaa041</p>
12)	<p>Initial impacts of global risk mitigation measures taken during the combatting of the COVID-19 pandemic. Bruinen de Bruin Y, Lequarre AS, McCourt J, Clevestig P, Pigazzani F, Zare Jeddi M, Colosio C, Goulart M. Saf Sci. 2020 Apr 15:104773.</p>
13)	<p>Interrupting COVID-19 transmission by implementing enhanced traffic control bundling: Implications for global prevention and control efforts. Yen MY, Schwartz J, Chen SY, King CC, Yang GY, Hsueh PR. J Microbiol Immunol Infect. 2020 Mar 14</p>
14)	<p>Occupational risks for COVID-19 infection. Koh D. Occup Med (Lond). 2020 Mar 12;70(1):3-5.</p>
15)	<p>Otolaryngology Providers Must Be Alert for Patients with Mild and Asymptomatic COVID-19. Cheng X, Liu J, Li N, Nisenbaum E, Sun Q, Chen B, Casiano R, Weed D, Telischi F, Denneny JC 3rd, Liu X, Shu Y. Otolaryngol Head Neck Surg. 2020 Apr 14:194599820920649.</p>

16)	<p>Personal protective equipment for preventing highly infectious diseases due to exposure to contaminated body fluids in healthcare staff. Verbeek JH, Rajamaki B, Ijaz S, Sauni R, Toomey E, Blackwood B, Tikka C, Ruotsalainen JH, Kilinc Balci FS. Cochrane Database Syst Rev. 2020 Apr 15;4:CD011621</p>
17)	<p>Phase- and epidemic region-adjusted estimation of the number of coronavirus disease 2019 cases in China. Chang R, Wang H, Zhang S, Wang Z, Dong Y, Tsamlag L, Yu X, Xu C, Yu Y, Long R, Liu NN, Chu Q, Wang Y, Xu G, Shen</p>
18)	<p>Preventing intra-hospital infection and transmission of COVID-19 in healthcare workers. Hoe Gan W, Wah Lim J, Koh D. Saf Health Work. 2020 Mar 24.</p>
19)	<p>Protecting healthcare personnel from 2019-nCoV infection risks: lessons and suggestions. Zhang Z, Liu S, Xiang M, Li S, Zhao D, Huang C, Chen S. Front Med. 2020 Mar 23.</p>
20)	<p>Symptom Cluster of ICU nurses treating COVID-19 pneumonia patients in Wuhan, China. Yifan T, Ying L, Chunhong G, Jing S, Rong W, Zhenyu L, Zejuan G, Peihung L. J Pain Symptom Manage. 2020 Apr 7</p>
21)	<p>The evidence of SARS-CoV-2 infection on ocular surface. Zhang X, Chen X, Chen L, Deng C, Zou X, Liu W, Yu H, Chen B, Sun X. Ocul Surf. 2020 Apr 11. pii: S1542-0124(20)30065-3.</p>
22)	<p>The indirect benefit on respiratory health from the world's effort to reduce transmission of SARS - CoV-2. Dutheil F, Navel V, Clinchamps M. Chest. 2020 Apr 10.</p>
23)	<p>The COVID-19 pandemic: major risks to healthcare and other workers on the front line. Sim MR. Occup Environ Med. 2020 May;77(5):281-282.</p>