

Occupational Health Alert

August 2020

**This issue contains information regarding
Articles published on**

- **Covid 19 & Occupational Health,**
 - **Flour Mill Workers Diseases**
- &**
- **Effect of Covid -19 on Air Pollution**

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Occupational Health Alert

Covid 19 & Occupational Health

1.	<p>A rapid systematic review of the efficacy of face masks and respirators against coronaviruses and other respiratory transmissible viruses for the community, healthcare workers and sick patients.</p> <p>MacIntyre CR, Chughtai AA. Int J Nurs Stud. 2020 Aug;108:103629.</p>
2.	<p>Art of performing dermoscopy during the times of coronavirus disease (COVID-19): simple change in approach can save the day!</p> <p>Jakhar D, Kaur I, Kaul S. J Eur Acad Dermatol Venereol. 2020 Jun;34(6):e242-e244.</p>
3.	<p>Cardiovigilance in COVID 19.</p> <p>Kishor K, Marwah R, Anantharaj A, Kalra S. J Pak Med Assoc. 2020 May;70(Suppl 3)(5):S77-S80.</p>
4.	<p>Cell-based therapy to reduce mortality from COVID-19: Systematic review and meta-analysis of human studies on acute respiratory distress syndrome.</p> <p>Qu W, Wang Z, Hare JM, Stem Cells Transl Med. 2020 May 29:10</p>
5.	<p>Characterize health and economic vulnerabilities of workers to control the emergence of COVID-19 in an industrial zone in Vietnam.</p> <p>Tran BX, Vu GT, Latkin CA, Saf Sci. 2020 May 12;129:104811.</p>
6.	<p>Clear plastic drapes may be effective at limiting aerosolization and droplet spray during extubation: implications for COVID-19.</p> <p>Matava CT, Yu J, Denning S. Can J Anaesth. 2020 Jul;67(7):902-904.</p>
7.	<p>Considerations for Post-acute Rehabilitation for Survivors of COVID-19.</p> <p>Sheehy LM.</p>

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8.	COVID-19 Among Workers in Meat and Poultry Processing Facilities - 19 States, April 2020. Dyal JW, Grant MP, Broadwater K, MMWR Morb Mortal Wkly Rep. 2020 May 8;69(18).
9.	Covid-19 and infection in health-care workers: An emerging problem. Barranco R, Ventura F. Med Leg J. 2020 Jul;88(2):65-66.
10.	COVID-19 Outbreak in Italy: Protecting Worker Health and the Response of the Italian Industrial Hygienists Association. Spinazzè A, Cattaneo A, Cavallo DM. Ann Work Expo Health. 2020 Jul 1;64(6):559-56
11.	Covid-19: virtual occupational skin health clinics for healthcare workers. Chowdhury MM, Bevan N, Ryan K. BMJ. 2020 Jun 18;369:m2281.
12.	Crafting Jobs for Occupational Satisfaction and Innovation among Manufacturing Workers Facing the COVID-19 Crisis. Ren T, Cao L, Chin T. Int J Environ Res Public Health. 2020 Jun 3;17(11):3953
13.	Fighting COVID-19: A quick review of diagnoses, therapies, and vaccines. Shih HI, Wu CJ, Tu YF, Chi CY. Biomed J. 2020 May 30:S2319-4170(20)30085-8
14.	Heat warning and public and workers' health at the time of COVID-19 pandemic. Morabito M, Messeri A, Crisci A Sci Total Environ. 2020 Jun 18;738:140347.
15.	Impact of meteorological factors on the COVID-19 transmission: A multi-city study in China. Liu J, Zhou J, Yao J, Zhang X, Li L, Xu X, He X, Wang B, Fu S, Niu T, Yan J, Shi Y, Ren X, Niu J, Zhu W, Li S, Luo B, Zhang K. Sci Total Environ. 2020 Jul 15;726:138513

16.	<p>Medical masks vs N95 respirators for preventing COVID-19 in healthcare workers: A systematic review and meta-analysis of randomized trials.</p> <p>Bartoszko JJ, Farooqi MAM, Alhazzani W, Influenza Other Respir Viruses. 2020 Jul;14(4):365-373</p>
17.	<p>Multidisciplinary research priorities for the COVID-19 pandemic: a call for action for mental health science.</p> <p>Holmes EA, O'Connor RC, Perry VH, E. Lancet Psychiatry. 2020 Jun;7(6):547-560.</p>
18.	<p>Occupational health responses to COVID-19: What lessons can we learn from SARS?</p> <p>Koh D, Goh HP. J Occup Health. 2020 Jan;62(1):e12128.</p>
19.	<p>Prevalence of depression, anxiety, and insomnia among healthcare workers during the COVID-19 pandemic: A systematic review and meta-analysis.</p> <p>Pappa S, Ntella V, Giannakas T, Brain Behav Immun. 2020 Aug;88:901-907</p>
20.	<p>Prevention and control measures in radiology department for COVID-19.</p> <p>Ding J, Fu H, Liu Y, .Eur Radiol. 2020 Jul;30(7):3603-3608.</p>
21.	<p>Prevention of exposure to and spread of COVID-19 using air purifiers: challenges and concerns.</p> <p>Ham S Epidemiol Health. 2020;42:e2020027.</p>
22.	<p>Protecting healthcare personnel from 2019-nCoV infection risks: lessons and suggestions.</p> <p>Zhang Z, Liu S, Xiang M, Li S, Zhao D, Huang C, Chen S Front Med. 2020 Apr;14(2):229-231</p>
23.	<p>The adverse skin reactions of health care workers using personal protective equipment for COVID-19.</p> <p>Hu K, Fan J, Li X, Gou X, Li X, Zhou X</p>

	Medicine (Baltimore). 2020 Jun 12;99(24):e20603.
24.	The role of occupational dermatology in the COVID-19 outbreak. Patruno C, Fabbrocini G, Stingeni L, Napolitano M. Contact Dermatitis. 2020 Aug;83(2):174-175.
25.	Vascular access in COVID-19 patients: Smart decisions for maximal safety. Scoppettuolo G, Biasucci DG, Pittiruti M. J Vasc Access. 2020 Jul;21(4):408-410

Flour Mill Workers Diseases

1.	Assessment of Respiratory Symptoms and Pulmonary Function Status among Workers of Flour Mills in Addis Ababa, Ethiopia: Comparative Cross-Sectional Study. Demeke D, Haile DW. Pulm Med. 2018 Oct 24;2018:9521297
2.	Chronic respiratory symptoms, lung function and associated factors among flour mill factory workers in Hawassa city, southern Ethiopia: "comparative cross-sectional study". Lagiso ZA, Mekonnen WT, Abaya SW, Takele AK, Workneh HM. BMC Public Health. 2020 Jun 11;20(1):909.
3.	Lung function indices of flour millworkers in Edo and Delta States. Ibekwe RU, Okojie OH. Niger Postgrad Med J. 2014 Mar;21(1):5-10.
4.	Pulmonary nodules with cavitary mass in a flour mill worker . Joshi JM, Barve KS, Basu S. J Postgrad Med. 2012 Oct-Dec;58(4):328-30
5.	Respiratory morbidity induced by occupational inhalation exposure to high concentrations of wheat flour dust. Neghab M, Soltanzadeh A, Alipour A, Hasanzadeh J, Alipour H .Int J Occup Saf Ergon. 2012;18(4):563-9

Effect of Covid -19 on Air Pollution

1.	<p>Air Pollution and Covid-19: The Role of Particulate Matter in the Spread and Increase of Covid-19's Morbidity and Mortality. Comunian S, Dongo D, Milani C, Palestini P. Int J Environ Res Public Health. 2020 Jun 22;17(12):4487</p>
2.	<p>Air pollution and temperature are associated with increased COVID-19 incidence: A time series study. Li H, Xu XL, Dai DW, Huang ZY, Ma Z, Guan YJ Int J Infect Dis. 2020 Aug;97:278-282</p>
3.	<p>Air pollution, racial disparities, and COVID-19 mortality. Brandt EB, Beck AF, Mersha TB. J Allergy Clin Immunol. 2020 Jul;146(1):61-63</p>
4.	<p>Amplified ozone pollution in cities during the COVID-19 lockdown. Sicard P, De Marco A, Agathokleous E, Feng Z, Xu X, Paoletti E, Rodriguez JJD, Calatayud V. Sci Total Environ. 2020 Sep 15;735:139542.</p>
5.	<p>Cigarette Smoke Exposure and Inflammatory Signaling Increase the Expression of the SARS-CoV-2 Receptor ACE2 in the Respiratory Tract. Smith JC, Sausville EL, Girish V, Yuan ML, Vasudevan A, John KM, Sheltzer JM. Dev Cell. 2020 Jun 8;53(5):514-529.e3.</p>
6.	<p>Coronavirus lockdown helped the environment to bounce back. Arora S, Bhaukhandi KD, Mishra PK. Sci Total Environ. 2020 Jun 29;742:140573.</p>
7.	<p>COVID-19 pandemic persuaded lockdown effects on environment over stone quarrying and crushing areas. Mandal I, Pal S .Sci Total Environ. 2020 Aug 25;732:139281</p>
8.	<p>COVID-19 pandemic: Impacts on the air quality during the partial lockdown in São Paulo state, Brazil. Nakada LYK, Urban RC. Sci Total Environ. 2020 Aug 15;730:139087</p>
9.	<p>COVID-19's impact on the atmospheric environment in the Southeast Asia region. Kanniah KD, Kamarul Zaman NAF, Kaskaoutis DG, Latif MT.</p>

	Sci Total Environ. 2020 Sep 20;736:139658
10.	Effect of lockdown amid COVID-19 pandemic on air quality of the megacity Delhi, India. Mahato S, Pal S, Ghosh KG. Sci Total Environ. 2020 Aug 15;730:139086
11.	Effect of restricted emissions during COVID-19 on air quality in India. Sharma S, Zhang M, Anshika, Gao J, Zhang H, Kota SH. Sci Total Environ. 2020 Aug 1;728:138878.
12.	Effects of air pollutants on the transmission and severity of respiratory viral infections. Domingo JL, Rovira J. Environ Res. 2020 Aug;187:109650
13.	Impact of lockdown measures during COVID-19 on air quality- A case study of India. Kumari P, Toshniwal D. Int J Environ Health Res. 2020 Jun 16:1-8
14.	Indirect effects of COVID-19 on the environment. Zambrano-Monserrate MA, Ruano MA, Sanchez-Alcalde L .Sci Total Environ. 2020 Aug 1; 728:138813
15.	Nurture to nature via COVID-19 , a self-regenerating environmental strategy of environment in global context. Paital B. Sci Total Environ. 2020 Aug 10; 729:139088.
16.	Observed and Potential Impacts of the COVID-19 Pandemic on the Environment. Cheval S, Mihai Adamescu C, Georgiadis T, Herrnegger M, Piticar A, Legates DR. Int J Environ Res Public Health. 2020 Jun 10;17(11):4140
17.	Perspective: cardiovascular disease and the Covid-19 pandemic. Gori T, Lelieveld J, Münzel T .Basic Res Cardiol. 2020 Apr 10;115(3):32
18.	Reductions in traffic-related black carbon and ultrafine particle number concentrations in an urban neighborhood during the COVID-19 pandemic. Hudda N, Simon MC, Patton AP, Durant JL .Sci Total Environ. 2020 Jul 14:140931

19.	<p>Role of the chronic air pollution levels in the Covid-19 outbreak risk in Italy. Fattorini D, Regoli F. Environ Pollut. 2020 Sep;264:114732.</p>
20.	<p>Severe air pollution links to higher mortality in COVID-19 patients: The "double-hit" hypothesis. Frontera A, Cianfanelli L, Vlachos K, Landoni G, Cremona G. J Infect. 2020 Aug;81(2):255-259</p>
21.	<p>Significant decrease of lightning activities during COVID-19 lockdown period over Kolkata megacity in India. Chowdhuri I, Pal SC, Saha A, Chakraborty R, Ghosh M, Roy P.Sci Total Environ. 2020 Jul 28;747:141321</p>
22.	<p>The dark cloud with a silver lining: Assessing the impact of the SARS COVID-19 pandemic on the global environment. Lal P, Kumar A, Kumar S, Kumari S, Saikia P, Dayanandan A, Adhikari D, Khan ML.Sci Total Environ. 2020 Aug 25;732:139297</p>
23.	<p>The impact of COVID-19 as a necessary evil on air pollution in India during the lockdown. Shehzad K, Sarfraz M, Shah SGM. Environ Pollut. 2020 Jun 25;266(Pt 1):115080</p>
24.	<p>The Influence of COVID-19 on Air Quality in India: A Boon or Inutile. Gautam S. Bull Environ Contam Toxicol. 2020 Jun;104(6):724-726.</p>
25.	<p>The necessity of continuing to ban tobacco use in public places post-COVID-19. El-Awa F, Fraser CP, Adib K, Hammerich A, Abdel Latif N, Fayokun R, Prasad V, Fu D, Vestal G, Schotte K, Gouda H, St Claire S.East Mediterr Health J. 2020 Jun 24;26(6):630-632</p>