

Occupational Health Alert

Occupational Health Alert issue deals with articles published on different subjects :

1. Effect of covid-19 on Smokers
2. Effect of Covid-19 on children
3. Effect of Legionnaires' Disease on Occupational Health

Full text articles will be provided on request.

Library & Information Officer

Occupational Health Alert

Effect of covid-19 on Smokers

| | |
|----|--|
| 1. | <p><u>ACE-2 expression in the small airway epithelia of smokers and COPD patients: implications for COVID-19.</u> Leung JM, Yang CX, Tam A, Shaipanich T, Hackett TL, Singhera GK, Dorscheid DR, Sin DD. <i>Eur Respir J.</i> 2020 May 14;55(5):2000688.</p> |
| 2. | <p><u>Assessing ACE2 expression patterns in lung tissues in the pathogenesis of COVID-19.</u> Li G, He X, Zhang L, Ran Q, Wang J, Xiong A, Wu D, Chen F, Sun J, Chang C. <i>J Autoimmun.</i> 2020 Apr 13:102463</p> |
| 3. | <p><u>Cerebrovascular and Neurological Dysfunction under the Threat of COVID-19: Is There a Comorbid Role for Smoking and Vaping?</u> Archie SR, Cucullo L. <i>Int J Mol Sci.</i> 2020 May 30;21(11):E3916</p> |
| 4. | <p><u>Cigarette smoke exposure and inflammatory signaling increase the expression of the SARS-CoV-2 receptor ACE2 in the respiratory tract.</u> Smith JC, Sausville EL, Girish V, Yuan ML, Vasudevan A, John KM, Sheltzer JM. <i>Dev Cell.</i> 2020 May 16.</p> |
| 5. | <p><u>Clinical characteristics of 140 patients infected with SARS-CoV-2 in Wuhan, China.</u> Zhang JJ, Dong X, Cao YY, Yuan YD, Yang YB, Yan YQ, Akdis CA, Gao YD. <i>Allergy.</i> 2020 Feb 19.</p> |
| 6. | <p><u>COVID-19 and Nicotine as a Mediator of ACE-2.</u> Leung JM, Yang CX, Sin DD. <i>Eur Respir J.</i> 2020 Apr 29:2001261</p> |
| 7. | <p><u>COVID-19 and smoking: A systematic review of the evidence.</u> Vardavas CI, Nikitara K. <i>Tob Induc Dis.</i> 2020 Mar 20;18:20</p> |
| 8. | <p><u>COVID-19: Risk of increase in smoking rates among England's 6 million smokers and relapse among England's 11 million ex-smokers.</u> Patwardhan P. <i>BJGP Open.</i> 2020 Apr 7:bjgpopen20X1010</p> |

| | |
|-----|--|
| 9. | <p>Current Smoking is Not Associated with COVID-19. Rossato M, Russo L, Mazzocut S, Di Vincenzo A, Fioretto P, Vettor R. <i>Eur Respir J.</i> 2020 Apr 29;2001290.</p> |
| 10. | <p>Epidemiological and clinical characteristics analysis of COVID-19 in the surrounding areas of Wuhan, Hubei Province in 2020. Zheng Y, Xiong C, Liu Y, Qian X, Tang Y, Liu L, Leung EL, Wang M. <i>Pharmacol Res.</i> 2020 Apr 30;157:104821</p> |
| 11. | <p>Has the SARS-CoV-2 outbreak influenced the uptake of a popular smoking cessation app in UK smokers? An interrupted time series analysis. Perski O, Herbec A, Shahab L, Brown J. <i>JMIR Mhealth Uhealth.</i> 2020 May 27</p> |
| 12. | <p>Prevalence, Severity and Mortality associated with COPD and Smoking in patients with COVID-19: A Rapid Systematic Review and Meta-Analysis. Alqahtani JS, Oyelade T, Aldhahir AM, Alghamdi SM, Almeahmadi M, Alqahtani AS, Quaderi S, Mandal S, Hurst JR. <i>PLoS One.</i> 2020 May 11;15(5):e0233147.</p> |
| 13. | <p>Smoking is Associated with COVID-19 Progression: A Meta-Analysis. Patanavanich R, Glantz SA. <i>Nicotine Tob Res.</i> 2020 May 13;ntaa082.</p> |
| 14. | <p>Smoking Upregulates Angiotensin-Converting Enzyme-2 Receptor: A Potential Adhesion Site for Novel Coronavirus SARS-CoV-2 (Covid-19). Brake SJ, Barnsley K, Lu W, McAlinden KD, Eapen MS, Sohal SS. <i>J Clin Med.</i> 2020 Mar 20;9(3):841</p> |
| 15. | <p>Systematic review of the prevalence of current smoking among hospitalized COVID-19 patients in China: could nicotine be a therapeutic option? Farsalinos K, Barbouni A, Niaura R. <i>Intern Emerg Med.</i> 2020 May 9:1-8</p> |
| 16. | <p>Tobacco smoking and COVID-19 pandemic: old and new issues. A summary of the evidence from the scientific literature. Cattaruzza MS, Zagà V, Gallus S, D'Argenio P, Gorini G. <i>Acta Biomed.</i> 2020 May 11;91(2):106-112</p> |

| | |
|-----|---|
| 17. | <p>Two important controversial risk factors in SARS-CoV-2 infection: Obesity and smoking.</p> <p>Engin AB, Engin ED, Engin A. <i>Environ Toxicol Pharmacol.</i> 2020 May 15;78:103411</p> |
| 18. | <p>Will COVID-19 infection be less severe in ulcerative colitis than in Crohn's patients due to a lower rate of smokers?</p> <p>Peyrin-Biroulet C, D'Amico F, Peyrin-Biroulet L. <i>J Crohns Colitis.</i> 2020 Apr 18;jjaa077.</p> |

Effect of Covid-19 on children

| | |
|----|--|
| 1. | <p>Anesthetic Management of Patients with COVID 19 Infections during Emergency Procedures.</p> <p>Zhao S, Ling K, Yan H, Zhong L, Peng X, Yao S, Huang J, Chen X. <i>J Cardiothorac Vasc Anesth.</i> 2020 May;34(5):1125-1131</p> |
| 2. | <p>Breastfeeding and coronavirus disease-2019: Ad interim indications of the Italian Society of Neonatology endorsed by the Union of European Neonatal & Perinatal Societies.</p> <p>Davanzo R, Moro G, Sandri F, Agosti M, Moretti C, Mosca F. <i>Matern Child Nutr.</i> 2020 Apr 3:e13010</p> |
| 3. | <p>Child protection in the time of COVID-19.</p> <p>S S Teo S, Griffiths G. <i>J Paediatr Child Health.</i> 2020 May 29</p> |
| 4. | <p>Childhood Rheumatic Diseases and COVID-19 Pandemic: An Intriguing Linkage and a New Horizon.</p> <p>Haşlak F, Yıldız M, Adrovic A, Barut K, Kasapçopur Ö. <i>Balkan Med J.</i> 2020 Jun 1;37(4):184-188.</p> |
| 5. | <p>Children and covid-19.</p> <p>Ramchandani P. <i>New Sci.</i> 2020 Apr 11;246(3277):21</p> |
| 6. | <p>Clinical analysis of 10 neonates born to mothers with 2019-nCoV pneumonia.</p> <p>Zhu H, Wang L, Fang C, Peng S, Zhang L, Chang G, Xia S, Zhou W. <i>Transl Pediatr.</i> 2020 Feb;9(1):51-60</p> |

| | |
|-----|---|
| 7. | <p>Clinical and CT imaging features of the COVID-19 pneumonia: Focus on pregnant women and children. Liu H, Liu F, Li J, Zhang T, Wang D, Lan W.J Infect. 2020 May;80(5):e7-e13.</p> |
| 8. | <p>Current State of Knowledge About SARS-CoV-2 and COVID-19 Disease in Pregnant Women. Gujski M, Humeniuk E, Bojar I.Med Sci Monit. 2020 May 9;26:e924725.</p> |
| 9. | <p>Effect of the COVID-19 pandemic on female sexual behavior. Yuksel B, Ozgor F.Int J Gynaecol Obstet. 2020 May 11</p> |
| 10. | <p>Effects of the Global COVID-19 Pandemic on Early Childhood Development: Short- and Long-Term Risks and Mitigating Program and Policy Actions. Yoshikawa H, Wuermli AJ, Britto PR, Dreyer B, Leckman JF, Lye SJ, Ponguta LA, Richter LM, Stein A.J Pediatr. 2020 May 18:S0022-3476(20)30606-5.</p> |
| 11. | <p>Effects of COVID-19 Lockdown on Lifestyle Behaviors in Children with Obesity Living in Verona, Italy: A Longitudinal Study. Pietrobelli A, Pecoraro L, Ferruzzi A, Heo M, Faith M, Zoller T, Antoniazzi F, Piacentini G, Fearnbach SN, Heymsfield SB.Obesity (Silver Spring). 2020 Apr 30.</p> |
| 12. | <p>Efficacy, safety and cost-effectiveness of hydroxychloroquine in children with COVID-19: a call for evidence. Rodríguez-Martínez CE, Fernandes RM, Hawcutt DB, Sinha IP, Pacheco RL.Acta Paediatr. 2020 May 21.</p> |
| 13. | <p>Maternal and neonatal outcomes of pregnant women with COVID-19 pneumonia: a case-control study. Li N, Han L, Peng M, Lv Y, Ouyang Y, Liu K, Yue L, Li Q, Sun G, Chen L, Yang L.Clin Infect Dis. 2020 Mar 30:ciaa352.</p> |
| 14. | <p>Mitigate the effects of home confinement on children during the COVID-19 outbreak. Wang G, Zhang Y, Zhao J, Zhang J, Jiang F.Lancet. 2020 Mar 21;395(10228):945-947.</p> |

| | |
|-----|---|
| 15. | Outbreak of COVID-19 infection in children: fear and serenity. Pavone P, Ceccarelli M, Taibi R, La Rocca G, Nunnari G. Eur Rev Med Pharmacol Sci. 2020 Apr;24(8):4572-4575 |
| 16. | Pathophysiology of COVID-19: Why Children Fare Better than Adults? Dhochak N, Singhal T, Kabra SK, Lodha R. Indian J Pediatr. 2020 May 14:1-10 |
| 17. | Problematic online gaming and the COVID-19 pandemic. King DL, Delfabbro PH, Billieux J, Potenza MN. J Behav Addict. 2020 Apr 29. |
| 18. | Protecting the psychological health of children through effective communication about COVID-19. Dalton L, Rapa E, Stein A. Lancet Child Adolesc Health. 2020 May;4(5):346-347 |
| 19. | Psychological effects of Corona Virus Disease (COVID 19) on children of Health Care Workers. Mahajan C, Kapoor I, Prabhakar H. Anesth Analg. 2020 Jun 1 |
| 20. | Reflection on lower rates of COVID-19 in children: Does childhood immunizations offer unexpected protection? Lyu J, Miao T, Dong J, Cao R, Li Y, Chen Q. Med Hypotheses. 2020 May 15;143:109842 |
| 21. | Risks of Novel Coronavirus Disease (COVID-19) in Pregnancy; a Narrative Review. Panahi L, Amiri M, Pouy S. Arch Acad Emerg Med. 2020 Mar 23;8(1):e34 |
| 22. | SARS-CoV-2 infection in children - Understanding the immune responses and controlling the pandemic. Lu X, Xiang Y, Du H, Wing-Kin Wong G. Pediatr Allergy Immunol. 2020 Apr 24. |
| 23. | School Opening Delay Effect on Transmission Dynamics of Coronavirus Disease 2019 in Korea: Based on Mathematical Modeling and Simulation Study. Kim S, Kim YJ, Peck KR, Jung E. J Korean Med Sci. 2020 Apr 6;35(13):e14 |

| | |
|-----|--|
| 24. | <p>Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Children and Adolescents: A Systematic Review. Castagnoli R, Votto M, Licari A, Brambilla I, Bruno R, Perlini S, Rovida F, Baldanti F, Marseglia GL. <i>JAMA Pediatr.</i> 2020 Apr 22</p> |
|-----|--|

Effect of Legionnaires' Disease on Occupational Health

| | |
|----|--|
| 1. | <p>Is driving a car a risk for Legionnaires' disease? Sakamoto R, Ohno A, Nakahara T, Satomura K, Iwanaga S, Kouyama Y, Kura F, Noami M, Kusaka K, Funato T, Takeda M, Matsubayashi K, Okumiya K, Kato N, Yamaguchi K. <i>Epidemiol Infect.</i> 2009 Nov;137(11):1615-22</p> |
| 2. | <p>Legionnaires' disease as an occupational risk related to decontamination work after the Fukushima nuclear disaster: A case report. Sawano T, Tsubokura M, Ozaki A, Leppold C, Kato S, Kambe T. <i>J Occup Health.</i> 2018 May 25;60(3):271-274.</p> |
| 3. | <p>Molecular determination of infection source of a sporadic Legionella pneumonia case associated with a hot spring bath. Miyamoto H, Jitsurong S, Shiota R, Maruta K, Yoshida S, Yabuuchi E. <i>Microbiol Immunol.</i> 1997;41(3):197-202</p> |
| 4. | <p>New approach to environmental investigation of an explosive legionnaires' disease outbreak in Spain: early identification of potential risk sources by rapid Legionella spp immunosensing technique. Cebrián F, Montero JC, Fernández PJ. <i>BMC Infect Dis.</i> 2018 Dec 27;18(1):696</p> |
| 5. | <p>Occupational legionella in adults over 18 years of age: a systematic review]. Domingo-Pueyo A, Sanz-Valero J, Wanden-Berghe C. <i>Cien Saude Colet.</i> 2019 Mar;24(3):793-804</p> |
| 6. | <p>Occupational Legionella pneumophila Exposure in a Street Sweeper with a Renal Transplant. Tedjaseputra A, Manzoor M, Dendle C, Kanellis J. <i>Nephrology (Carlton).</i> 2018 May;23(5):493-494</p> |
| 7. | <p>Precipitation increases the occurrence of sporadic legionnaires' disease in Taiwan. Chen NT, Chen MJ, Guo CY, Chen KT, Su HJ. <i>PLoS One.</i> 2014 Dec 4;9(12):e114337</p> |

| | |
|-----|--|
| 8. | <p>Prevention measures against Legionella infection in a circulating hot water bath]. Miyamoto H.J UOEH. 2003 Mar 1;25(1):61-77.</p> |
| 9. | <p>Sampling and detection of Legionella pneumophila aerosols generated from an industrial cooling tower. Ishimatsu S, Miyamoto H, Hori H, Tanaka I, Yoshida S. Ann Occup Hyg. 2001 Aug;45(6):421-7.</p> |
| 10. | <p>Temperature effects on Legionella pneumophila killing by and multiplication in phagocytes of guinea pigs. Miyamoto H, Ogawa M, Maruta K, Nikaido Y, Yamamoto C, Taniguchi H, Yoshida S. Microbiol Immunol. 1995;39(9):647-54.</p> |
| 11. | <p>Work participation in Q-fever patients and patients with Legionnaires' disease: a 12-month cohort study. Van Loenhout JA, Hautvast JL, Akkermans RP, Donders NC, Vercoulen JH, Paget WJ, van der Velden K. Scand J Public Health. 2015 May;43(3):294-301</p> |