

Infectious Diseases Publications 2022 (revised 2022-12.22)

Title	Authors	Link / citation
1. In uninfected household contacts of patients with COVID_19, REGEN-COV reduced symptomatic COVID-19 at 28 d	Lau D., Saxinger L.	<i>Annals of internal medicine</i> 2022;175(1):JC5 https://doi.org/10.7326/J21-0008
2. Four genomic clades of Candida auris identified in Canada, 2012-2019	De Luca D.G., Alexander D.C., Dingle T.C., Dufresne P. J., Hoang L.M., Kus J.V., Schwartz I.S. , Mulvey M.R., Bharat A.	<i>Medical mycology</i> 2022;60(1):myab079 https://doi.org/10.1093/mmy/myab079
3. Reply to: Concerns about estimating relative risk of death associated with convalescent plasma for COVID-19	Begin P, Callum J, Cook R, Jamula E, Doucette K , et al.	<i>Nature Medicine</i> 2022;28(1):53-58 https://doi.org/10.1038/s41591-021-01639-5
4. Save the COVID-19 point-of-care nucleic acid test swab after testing to identify variants of concerns	Berenge B, Stokes W , Turnbull L, Pabbaraju K, Zelyas N, Venner A, Tipples G.	<i>Clinical Chemistry</i> 2022;68(1):249-251 https://doi.org/10.1093/clinchem/hvab243
5. Wide variation in threshold cycle values clouds the interpretation of SARS-CoV-2 infectiousness	Stokes W , Kanji J, Hu J, Zelyas N, Berenger B.	<i>Clinical Chemistry</i> 2022;68(1):253-255 https://doi.org/10.1093/clinchem/hvab145
6. Aspirin in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial	Abani O, Abbas A, Abbas F, Smtih S , et al.	<i>The Lancet</i> 2022;399(10320):143-151 https://doi.org/10.1016/S0140-6736(21)01825-0
7. Proteomic Analysis of Trichomonas vaginalis Phagolysosome, Lysosomal Targeting, and Unconventional Secretion of Cysteine Peptidases	Zimmann N, Rada P, Zarsky V, Smutna T, Zahonova K, Dacks J , Harant K, Hrdy I, Tachezy J.	<i>Molecular and Cellular Proteomics</i> 2022;21(1):100174 https://doi.org/10.1016/j.mcpro.2021.100174
8. Epidemiology of ticks submitted from human hosts in Alberta, Canada (2000-2019)	Kanji J, Isaac A , Gregson D, Mierzejewski M, Shpeley D, Tomlin P, et al.	<i>Emerging Microbes & Infections</i> 2022;11(1):284-292 https://doi.org/10.1080/22221751.2022.2027217
9. Remdesivir for the treatment of patients in hospitals with COVID-19 in Canada: a randomized controlled trial	Ali K, Azher T, Baqi M, Binnie A, Borgia S, Carrier F, Cavayas Y, Chagnon N, Cheng M, Conly J, Costiniuk C, Daley P, Hoang H, Singh A , et al.	<i>CMAJ</i> 2022;194(7):E242-E251 https://doi.org/10.1503/CMAJ.211698
10. Casirivimab and imdevimab in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial	Abani O, Abbas A, Abbas F, Smith S , et al.	<i>The Lancet</i> 2022;399(10325):665-676 https://doi.org/10.1016/S0140-6736(22)00163-5

11. SARS-CoV-2 outbreak in a Canadian suburban tertiary hospital necessitating full facility closure: a descriptive observational study	Kanji J, Chan, E, Boychuk, L , Boyington C , Turay, S, Kobelsky M, Doroshuk C, Choo P, Jacka S, Roberts E, Leighton K, Smith S .	<i>CMAJ</i> 2022;10(1):E137-E145 http://doi.org/10.9778/cmajo.20210064
12. Nonresolving Nodular Rash	Savaryn B, Chen J .	<i>Clinical Infectious Diseases</i> 2022;74(3):541-543 https://doi.org/10.1093/cid/ciab316
13. A Phosphoinositide-Binding Protein Acts in the Trafficking Pathway of Hemoglobin in the Malaria Parasite <i>Plasmodium falciparum</i>	Mukherjee A, Crochetiere M.E, Sergerie A, Amiar S, Thompson A, Ebrahimzadeh Z, Gagnon D, Lauruol F, Bourgeois A, Galaup T, Roucheray S, Hallee S, Padmanabhan P, Stahelin R, Dacks J , Richard D.	<i>mBio</i> 2022;13(1):e03239 https://doi.org/10.0.4.104/MBIO.03239-21
14. Integrated surveillance of antimicrobial resistance and antimicrobial use: Evaluation of the status in Canada (2014-2019)	Otto S.J.G., Haworth-Brockman M., Miazga-Rodriguez M., Wierzbowski A., Saxinger L.M.	<i>Can J Public Health</i> 2022;113:11–22 https://doi.org/10.17269/s41997-021-00600-w
15. One Health and antimicrobial stewardship: Where to go from here?	McCubbin K.D., Barkema H.W., Babujee A., Forseille J., Naum K., Buote P., Dalton D., Checkley S.L., Lehman K., Morris T., Smilski K., Wilkins W.L., Anholt R.M., Larose S., Saxinger L.M. , Blue D., Otto S.J.G.	<i>Can Vet J.</i> 2022;63(2):198-200. PMID: 35110779; PMCID: PMC8759332 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8759332/
16. Association between gut colonization of vancomycin-resistant enterococci and liver transplant outcomes	Chiang D., Dingle T.C., Belga S., Kabbani D. , Bhanji R.A., Walter J., Abrales J.G., Cervera C.	<i>Transpl Infect Dis.</i> 2022;e13821 https://doi.org/10.1111/tid.13821
17. Cutaneous lesions in a solid organ transplant recipient: A diagnostic dilemma	Ferguson J, Cervera C , Kaffenberger B, Salgado M, Clemente W.	<i>Transplant Infectious Diseases</i> 2022;24:e13918 https://doi.org/10.1111/tid.13918
18. Chapter 5: Treatment of tuberculosis disease	Johnston J, Cooper R , Menzies D,	<i>Canadian Tuberculosis Standards</i> 2022;6(S1):66-76 https://doi.org/10.1080/24745332.2022.2036504
19. Chapter 14: Prevention and control of tuberculosis transmission in healthcare settings	Johnston L, Ogunremi T, Defalco K, Savard N, Smith S .	<i>Canadian Tuberculosis Standards</i> 2022;8:205-228 https://doi.org/10.1080/24745332.2022.2043677
20. Antimicrobial resistance (AMR) in COVID-19 patients: a systematic review and meta-analysis (November 2019-June2021)	Kariyawasam R, Julien D, Jelinski D, Larose S, Rennert-May E, Conly J, Dingle R, Chen J , Tyrrell G, Ronksley P, Barkema H.	<i>Antimicrobial Resistance & Infection Control</i> 2022;11(1):45 https://doi.org/10.1186/s13756-022-01085-z

21. Apples to Apples? A Comparison of Real-World Tolerability of Antiretrovirals in Patients with Human Immunodeficiency Virus Infection and Patients with Primary Biliary Cholangitis	Turvey S.L., Saxinger L. , Mason A.L.	<i>Viruses</i> . 2022;14(3):516. 10.3390/v14030516 .
22. A comparison of surgical site infections following total hip replacement and total knee replacement surgeries identified by Infection Prevention and Control and the National Surgical Quality Improvement Program in Alberta, Canada	Ellison J, Boychuk L , Chakravorty D, Chandran U, Conly J, Howatt A, Kim J, Litvinchuk S, Pokehrel A, Shen Y, Smith C, Bush K.	<i>Infection Control and Hospital Epidemiology</i> 2022;43(4):435-441 https://doi.org/10.1017/ice.2021.159
23. Implantation subcutaneous phaeohyphomycosis caused by <i>Rhytidhysteron rufulum</i> : A case report	Dingle T.C., Jansen B., walker C., Sam M., Verity B., Purdy D., Paul P., Schwartz I.S.	<i>Med Mycol Case Rep</i> . 2022;36:16-18. 10.1016/j.mmcr.2022.03.002 .
24. Vancomycin-resistant Enterococcus sequence type 1478 spread across hospitals participating in the Canadian Nosocomial Infection Surveillance Program from 2013 to 2018	Kleinman D.R., Mitchell R., McCracken M., Hota S.S., Golding G.R., Smith S.W.	<i>Infect Control Hosp Epidemiol</i> . 2022:1-7. 10.1017/ice.2022.7 .
25. Antimicrobial use in Canadian acute-care hospitals: Findings from three national point-prevalence surveys between 2002 and 2017	Liang J.J., Rudnick W., Mitchell R., Brooks J., Bush K., Conly J, Ellison J., Frenette C., Johnston L., Lavallee C., McGeer A., Mertz D., Pelude L., Science M., Simor A., Smith S. , Stagg P., Suh K.N., Thampi N., Thirion D.J.G., Vayalumkal J., Wong A., Taylor G.	<i>Infect Control Hosp Epidemiol</i> . 2022:1-7. 10.1017/ice.2021.519 .
26. Viral load of SARS-CoV-2 in droplets and bioaerosols directly captured during breathing, speaking and coughing	Johnson T.J., Nishida R.T., Sonpar A.P., Lin Y.-C.J., Watson K.A., Smith S.W. , Conly J.M., Evans D.H., Olfert J.S.	<i>Sci Rep</i> . 2022;12(1):3484. 10.1038/s41598-022-07301-5 .
27. Efficacy and safety of antimicrobial stewardship prospective audit and feedback in patients hospitalized with COVID-19: A protocol for a pragmatic clinical trial	Chen, J, Hoang H , Yaskina M, Kabbani D, Doucette K, Smith S , Lau C, Stewart J, Zurek K, Schultz M, Cervera C .	<i>PLoS ONE</i> 2022;17(3):e0265493 https://doi.org/10.1371/journal.pone.0265493
28. Chapter 3: Diagnosis of tuberculosis disease and drug-resistant tuberculosis	Behr M, Lapierre S, Kunimoto D , Lee R, Long R, Sekirov I, Soualhine H, Turenne C	<i>Canadian Tuberculosis Standards</i> 2022;6(S1):33-48 https://doi.org/10.0.4.56/24745332.2022.2035638
29. Chapter 8: Drug-resistant tuberculosis	Brode S, Dwilow R, Kunimoto D , Menzies D, Khan F	<i>Canadian Tuberculosis Standards</i> 2022;6(S1)109-128 https://doi.org/10.1080/24745332.2022.2039499

30. Generalized tetanus in a Canadian farmer following orthopedic surgery	Chauhan, U. Ghimire A, Raval M, Boyington C , Haponiuk A, Koller G, Korzan J, Yacyshyn E.	<i>Infectious Disease Reports</i> 2022;14(2):273-277 10.3390/idr14020033
31. Chronic Cutaneous Lesion on the Left Lower Abdominal Wall	Stokes W , Chan W, Thommasen A. Vaughan S.	<i>Clin Infect Dis</i> 2022;74(4):743-745 https://doi.org/10.1093/cid/ciab329
32. Rotating opportunistic prevalence audit: A new pragmatic audit method is effective at identifying misuse of ciprofloxacin in a large academic hospital	Chen J, Waldner D, Saxinger S.	<i>Infection Control and Hospital Epidemiology</i> 2022;1-3 https://doi.org/10.1017/ice.2022.78
33. Chapter 10: Treatment of active tuberculosis in special populations	Cooper R , Houston S, Hughes C, Johnston J.	<i>Canadian Tuberculosis Standards</i> 2022;6(S1):149-166 https://doi.org/10.1080/24745332.2022.2039500
34. Distribution of membrane trafficking system components across ciliate diversity highlights heterogenous organelle-associated machinery	Richardson E, Dacks J	<i>Traffic</i> 2022;23(4):208-220 https://doi.org/10.1111/tra.12834
35. Molecular epidemiology and clinical characteristic of hepatitis D virus infection in Canada	Osiowy C, Swidinsky K, Haylock-Jacobs S, Sadler M, Fung S, Wong D, Minuk G, Doucette K , Wong P, Tam E, Cooper C, Ramji A, Ma M, Nudo C, Tsoi K, Coffin C.	<i>JHEP Reports</i> 2022;4(5):100461 https://doi.org/10.1016/j.jhepr.2022.100461
36. The impact of shifting demographics, variants of concern and vaccination on outcomes during the first 3 COVID-19 waves in Alberta and Ontario: a retrospective cohort study	McAlister F, Nabipoor M, Chu A, Lee D, Saxinger L , Bakal J.	<i>CMAJ Open</i> 2022;10(2):E400-E408 https://doi.org/10.9778/camjo.20210323
37. G4-quadruplex-binding proteins: review and insights into selectivity	Meier-Stephenson V.	<i>Biophysical Reviews</i> 2022;14:635-654 https://doi.org/10.1007/s12551-022-00952-8
38. Use of Novel Strategies to Develop Guidelines for Management of Pyogenic Osteomyelitis in Adults: A WikiGuidelines Group Consensus Statement	Spellberg B, Aggrey G, Brennan M, Footer B, Forrest G, Hamilton F, Minejima E, Moore J, Ahn J, Angarone M, Centor R, Cherabuddi K, Curran J, Davar K, Davis J, Dong M, Chanem B, Hutcheon D, Jent P, Kang M, Lee R, McDonald E, Morris A, Reece R, Schwartz I , So M, Tong S, Tucker C, Wald-Dickler N, Weinstein E, Williams R, Yen C, Shiwei Z, Lee T, WikiGuidelines Group	<i>JAMA Netw Open</i> 2022;5(5):e2211321 https://doi.org/10.1001/jamanetworkopen.2022.11321
39. #SoMe the Money! Value, Strategy, and Implementation of Social Media Engagement for Infectious Diseases Trainees, Clinicians, and Divisions	Cawcutt K, Marcelin J, Cores-Penfield N, Cutrell J, Dong S, Mahoney M, McCarty T, Hornback K, Titanji B, Eoc-Colburn L, Schwartz I.	<i>Clin Infect Dis.</i> 2022;15(3):74 https://doi.org/10.1093/cid/ciac063

40. Population-based surveillance of <i>Enterobacter cloacae</i> complex causing blood stream infections in centralized Canadian region	Stokes W, Peirano G, Matsumara Y, Nobrega D, Pitout J.	<i>Eur J Clin Microbiol Infect Dis</i> 2022;41(1):119-125 https://doi.org/10.1007/s10096-021-04309-z
41. Molecular evolutionary analysis of the SM and SNARE vesicle fusion machinery in ciliates shows concurrent expansions in late secretory machinery	Kaur H, Richardson E, Kamara K, Dacks J.	<i>J Eukaryot Microbiol</i> 2022;69:e12919 https://doi.org/10.1111/jeu.12919
42. Comparative genomic analysis illustrates evolutionary dynamics of multisubunit tethering complexes across green algal diversity	Phanprasert Y, Maciszewski K, Gentekaki E, Dacks J	<i>Eukaryotic Microbiology</i> 2022;00:e12935 https://doi.org/10.1111/jeu.12935
43. Genomic and meta-genomic insights into the functions, diversity and global distribution of haptophyte algae	Penot M, Dacks J, Read B, Dorrel R.	<i>Applied Phycology</i> 2022;3(1):340-359 https://doi.org/10.1080/26388081.2022.2103732
44. Evolution of factors shaping the endoplasmic reticulum	Kontou A, Herman E, Field M, Dacks J, Koumandou L.	<i>Traffic</i> 2022;23(9):462-473 https://doi.org/10.1111/tra.12863
45. Polygenic Innate Immunity Score to Predict the Risk of Cytomegalovirus Infection in CMV D+/R- Transplant Recipients. A Prospective Multicenter Cohort Study	Bodro M, Cervera C, Linares L, Suarez B, Llopis J, Sanclemente G, Casado-Llombart S, Fernandez-Ruiz M, Farinas M, Cantisan S, Montejo M, Cordero E.	<i>Frontiers in Immunology</i> . 2022;13:897912 https://doi.org/10.3389/fimmu.2022.897912
46. Combined nanometric and phylogenetic analysis of unique endocytic compartments in <i>Giardia Lamblia</i> sheds light on the evolution of endocytosis in Metamonada	Santos R, Astvaldsson A, Pipaliya S, Zumthor J, Dacks J, Svard S, Hehl A, Faso C.	<i>BMC Biology</i> 2022;20(1):206 https://doi.org/10.1186/s12915-022-01402-3
47. Remdesivir chez les patients hospitalises pour la COVID-19 au Canada: essai clinique randomise et controle	Karim A, Azher T, Singh A, Sligl W, Smith S, et al.	<i>CMAJ</i> 2022;1994(20):E713-E723 https://doi.org/10.1503/cmaj.211698-f
48. Expanding the use of hepatitis B virus viremic donors	Robbins M, Doucette K	<i>Transplant Infectious Diseases</i> 2022;24(4):e13871 https://doi.org/10.1111/tid.13871
49. Nationwide retrospective study of hepatitis B virological response and liver stiffness improvement in 465 patients on nucleos(t)ide analogue	Ramji A, Doucette K, Cooper C, Minuk G, Ma M, Wong A, Wong D, Tam E, Conway B, Truong D, Wong P, Barrett L.	<i>World Journal of Gastroenterology</i> 2022;28(31):4390-4398 https://doi.org/10.3748/wjg.v28.i31.4390

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52. Prospective population-level validation of the Abbott ID NOW severe acute respiratory syndrome coronavirus 2 device implemented in multiple settings for testing asymptomatic and symptomatic individuals	Stokes W, Venner A, Buss E, Tipples G, Berenger B.	<i>Clinical Microbiology and Infection</i> 2022;in press https://doi.org/10.1016/j.cmi.2022.08.025
53. Risk of transmission of respiratory viruses during aerosol-generating medical procedures (AGMPs) revisited in the COVID-19 pandemic: a systematic review	Leal J, Farkas B, Mastikhina L, Flanagan J, Skidmore B, Salmon C, Dixit D, Smith S, Tsekrekos S, Lee B, Vayalumkal J, Dunn J, Harrison R, Cordoviz M, Dubois R, Chandran U, Clement F, Bush K, Conly J, Larious O.	<i>Antimicrobial Resistance and Infection Control</i> 2022;11(1):102 https://doi.org/10.1186/s13756-022-01133-8
54. Anti-Mycobacterial Activity of Flavonoid and Pyrimidine Compounds	Garg S, Kumar R, Kunimoto D, Rayat G	<i>Molecules</i> 2022;27(19):6714 https://doi.org/10.3390/molecules27196714
55. Health system impacts of SARS-CoV-2 variants of concern: a rapid review	Dol J, Boulos L, Somerville M, Saxinger L, Doroshenko A, Hasting S, Reynolds B, Gallant A, Shin H, Wong h, Crowther D, Macdonald M	<i>BMC Health Services Research</i> 2022;22(1):544 https://doi.org/10.1186/s12913-022-07847-0
56. Bictegravir/emtricitabine/tenofovir alafenamide in patients with genotypic NRTI resistance	Shafran S, Hughes C	<i>HIV Medicine</i> 2022;1-5 https://doi.org/10.1111/hiv.13376
57. Incentive-based human immunodeficiency virus screening in low- and middle-income countries: A systematic review	Finlay J, Lambert T, Krahn J, Meyer G, Singh A, Caine V.	<i>Sexually Transmitted Diseases</i> 2022;49(4):274-283 https://doi.org/10.1097/OLQ.0000000000001567
58. Molecular Surveillance and prediction of antimicrobial resistance of <i>Neisseria gonorrhoeae</i> in Northern Alberta, Canada, 2015 to 2018	Pilkie D, Gratrix J, Sawatzky P, Martin I, Singh A, Prasad E, Naidu P, Mulvey M, Wong T, Smyczek P.	<i>Sexually Transmitted Diseases</i> 2022;49(5):377-382 https://doi.org/10.1097/OLQ.0000000000001604

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60. Retrospective Cohort study examining the correlated of reported lifetime stimulant use in perons diagnosed with infectious syphilis in Alberta, Canada, 2018 to 2019	Raval M, Gratrix J, Plitt S, Niruban J, Smyczek P, Dong K, Singh A.	<i>Sexually Transmitted Diseases</i> 2022;49(8):551-559 https://doi.org/10.1097/OLQ.0000000000001648
61. Stopping syphilis transmission in Arctic communities through rapid diagnostic testing: The STAR study protocol	Caya C, Maheu-Giroux M, Xia Y, Serhir B, Morin V, Libman M, Corsini R, Goldfarb D, Wong T, Singh A, Yansouni C.	<i>PLoS ONE</i> 2022;17(9):e02737313 https://doi.org/10.1371/journal.pone.0273713
62. Retrospective cohort study of the incidence and outcomes of Jarisch-Herxheimer reactions after treatment of infectious syphilis in late pregnancy	MacUmer S, Singh A, Gratrix J, Robinson J, Smyczek P, Rathjen L, Sklar C.	<i>Sexually Transmitted Diseases</i> 2022;49(10):E107-E109 https://doi.org/10.1097/OLQ.0000000000001610
63. Retrospective audit of a convenience cohort of individuals on HIV pre-exposure prophylaxis in Alberta, Canada	Candler E, Khan M, Gratrix J, Plitt S, Stadnyk M, Smyczek P, Anderson N, Carter J, Sayers S, Smith D, Ugarte-Torres A, Shukalek C, Singh A.	<i>JAMMI</i> 2022;7(4):350-363 https://doi.org/10.3138/jammi-2022-0016
64. Hyperammonemia syndrome post-lung transplantation: Case series and systematic review of literature	Buzo b, Preiksaitis J, Halloran K, Nagendran J, Townsend D, Zelyas N, Sligl W.	<i>Transplant Infectious Disease</i> 2022;24:e13940 https://doi.org/10.1111/tid.13940
65. Baricitinib in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial and updated meta-analysis	Abani O, Abbas A, Abbas F, Smith S, et al.	<i>The Lancet</i> 2022;400(10349):359-368 https://doi.org/10.1016/S0140-6736(22)01109-6
66. Dysregulation Enzyme)-2 and ^{of} Renin-Angiotension ^{ACE} (Angiotensin-Converting peptides in SARS-COV-2 mediated mortality and end-organ injuries	Wang K, Gheblawi M, Nikhanj A, Munan M, MacIntyre E, O'Neil C, Poglitsch M, Colombo D, Del Nonno F, Kassiri Z, Sligl W, Oudit G.	<i>Hypertension</i> 2022;79(2):365-378 https://doi.org/10.1161/HYPERTENSIONA.121.18295
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68. Differential Impact of SARS-CoV-2 Isolates, Namely, the Wuhan Strain, Delta, and Omicron Variants on Erythropoiesis	Saito S, Shahbax S, Sligl W, Osman M, Tyrrell L, Elahi S.	<i>Microbiology Spectrum</i> 2022;10(4):e0173022 https://doi.org/10.1128/spectrum.01730-22

69. Needs assessment survey indentifying research processes which may be improved by automation or artificial intelligence: ICU community modeling and artificial intelligence to improve efficiency (ICU-comma)	Lau V, Binnie A, Basmaji J, Baig N, Opgenorth D, Cameron S, O'Hearn K, McDonald E, Senaratne J, Sligl W , Zuege D, Rewa O.	<i>Journal of Intensive Care Medicine</i> 2022;37(10):1296-1304 https://doi.org/10.1177/08850666211064844
70. Variation in communication and family visiting policies in intensive care within and between countries during the COVID-19 pandemic: The COVISIT international survey	Tabah A, Elhadi M, Ballard E, Cortegiani A, Cecconi M, Unoki T, Galarza L, Rosa R, Barbier F, Azoulay E, Laupland K, Kai N, Sligl W , et al.	<i>Journal of Critical Care</i> 2022;71:154050 https://doi.org/10.1016/j.jcrc.2022.154050
71. Differential effects of age, sec, and dexamethasone therapy on ACE2/TMPRSS2 expression and susceptibility to SARA-CoV-2 infection	Shahbaz S, Oyegbami O, Saito S, Osman M, Sligl W , Elahi S.	<i>Frontiers in Immunology</i> 2022;13:1021928 https://doi.org/10.3389/fimmu.2022.1021928
72. Midodrine therapy for vasopressor dependent shock in the intensive care unit: a protocol for a systematic review and meta-analysis	Kamaleldin M, Kilcommons S, Opgenorth D, Fiest K, Karvellas C, Kutsogiannis J, Lau V, MacIntyre E, Rochweg B, Senaratne J, Slemjo J, Sligl W , et al.	<i>BMJ Open</i> ; 2022;12(11):e064060 https://doi.org/10.1136/bmjopen-2022-064060
73. LIBERATE: a study protocol for midodrine for the early liberation from vasopressor support in the intensive care unit (LIBERATE): protocol for a randmonized controlled trial	Opgenorth D, Baig N, Fiest K, Karvellas C, Kutsogiannis J, Lau V, Macintyre E, Senaratne J, Slemko J, Sligl W , Wang X, et al.	<i>Trials</i> 2022;23(1):194 https://doi.org/10.1186/s13063-022-06115-0
74. Older age and frailty are associated with higher mortality but lower ICU admission with COVID-19	Andrew M, Godin J, Leblanc J, Boivin G, Valiquette L, McGeer A, McElhane J, Hatchette T, ElSherif M, MacKinnon-Cameron D, Wilson K, Ambrose A, Smith S , et al.	<i>Canadian Geriatrics Journal</i> 2022;25(2):183-196 https://doi.org/10.5770/CGJ.25.546
75. Characterization of Extensively Drug-Resistant (XDR) Carbapenemase-Producing Enterobacterales (CPE) in Canada from 2019 to 2020	Bartoszko J, Mitchell R, Katz K, Mulvey M, Mataseje L, Al-Rawahi G, Smith S , et al.	<i>Microbiology Spectrum</i> 2022;10(4):e00975-22 https://doi.org/10.1128/spectrum.00975-22
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