

Research and related activity: publications by NHS Fife staff

Monthly bulletin – May 2022

NHS Fife Library & Knowledge Service

Recent publications from NHS Fife staff: May 2022

This monthly bulletin aims to raise awareness of research activity across NHS Fife.

Core medical/health databases were searched to identify articles where at least one author is a member of staff from NHS Fife. Research activity may have been carried out solely by NHSF staff or in collaboration with colleagues from external institutions. The database search is supplemented by information supplied by the Pure team at St Andrew's University.

Databases searched: Medline, Embase, PsycInfo, Cinahl.

We searched for records added to the databases during May 2022.

We included: articles, conference abstracts, letters.

Where practicable we excluded: errata, corrections, comments, author's responses.

Local authors are highlighted in yellow so they can be readily identified.

You should be able to use the links to access the full-text of articles if you are on the NHS network. If you're trying to access full-text from a device not connected to the network, you may need to login with your NHS OpenAthens username and password. Contact the Library Service for assistance with Athens accounts. If we do not have access to the full-text of an article, we may be able to obtain a copy from the British Library.

Akhtar MA, Hoellwarth JS, Tetsworth K, Oomatia A and Al Muderis, M. (2022) 'Osseointegration following transfemoral amputation after infected total knee replacement: A case series of 10 patients with a mean follow-up of 5 years.', Arthroplasty Today, 16, pp.21-30.

Beer L, Inglis S, Malaguti A, Byrne C, Sharkey C, Robinson E, Gillings K, Radley A, Hapca A, Stephens B and Dillon, J. (2022 May 18) 'Randomized clinical trial: Direct-acting antivirals as treatment for hepatitis C in people who inject drugs: Delivered in needle and syringe programs via directly observed therapy versus fortnightly collection.', Journal of Viral Hepatitis, 00, pp.1-8.

Diernberger K., Luta X., Bowden J., Droney J., Lemmon E., Tramonti G., Shinkins B., Gray E., Marti J. and Hall, P.S. (2022) 'Variation in hospital cost trajectories at the end of life by age, multimorbidity and cancer type.', Medrxiv, 03 Mar 2022.

Epton T, Ghio D, Ballard LM, Allen SF, Kassianos AP, Hewitt R, Swainston K, Fynn WI, Rowland V, Westbrook J, Jenkinson E, Morrow A, McGeechan GJ, Stanescu S, Yousuf AA, Sharma N, Begum S, Karasouli E, Scanlan D, Shorter GW, Arden Armitage CJ, O'Connor DB, Kamal A, McBride E, Swanson V, Hart J, ByrneDavis L, Chater A and Drury, J. (2022) 'Interventions to promote physical distancing behaviour during infectious disease pandemics or epidemics: A systematic review', Social Science & Medicine, 303, 114946.

Hall AJ and Walmsley, P. (2022 May 24) 'Technology-enhanced learning in orthopaedics: Virtual reality and multi-modality educational workshops may be effective in the training of surgeons and operating department staff.', The Surgeon (Journal of the Royal Colleges of Surgeons of Edinburgh & Ireland).

Kalia, S., Saarela, O., Chen, T., O'Neill, B., Meaney, C., Gronsbell, J., Sejdic, E., Escobar, M., Aliarzadeh, B., Moineddin, R., Pow, C., Sullivan, F., and Greiver, M. (2022). 'Marginal structural models using calibrated weights with SuperLearner: application to type II diabetes cohort.', IEEE Journal of Biomedical and Health Informatics. [No full text available]

Kousha O., Staniszewski B., Ulloa J.L., Tarafdar S., Ellis J. and Blaikie, A. (2022) 'Frugal retinal laser training simulation eyes.', Eye, 36(5), pp.1129-1130.

Laskawska M.S., Hebert H.L., Richardson C., Berlouis K., Cameron P., Colvin L.A. and Smith, B.H. (2022 May 16) 'The core minimum dataset for measuring pain outcomes in pain services across Scotland.

Developing and testing a brief multi-dimensional questionnaire.', British Journal of Pain.

Luta X, Diernberger K, Bowden J, Droney J, Hall P and Marti, J. (2022 May 11) 'Intensity of care in cancer patients in the last year of life: A

retrospective data linkage study.', British Journal of Cancer.

McCallum, A. D., Pertinez, H. E., Chirambo, A. P., Sheha, I., Chasweka, M., Malamba, R., Shani, D., Chitani, A., Mallewa, J. E., Meghji, J. Z., Ghany, J. F., Corbett, E. L., Gordon, S. B., Davies, G. R., Khoo, S. H., Sloan, D. J. and Mwandumba, H. C. (2022). 'High intrapulmonary rifampicin and isoniazid concentrations are associated with rapid sputum bacillary clearance in patients with pulmonary tuberculosis.', Clinical Infectious Diseases.

Mc Goldrick N. and O'Keefe, E. (2022 Mar 13) 'Surveillance of COVID-19 cases associated with dental settings using routine health data from the East of Scotland with a description of efforts to break chains of transmission from October 2020 to December 2021.', Medrxiv.

McPeake J, Henderson P, MacTavish P, Devine H, Daniel M, Lucie P, Bollan L, Hogg L, MacMahon M, Mulhern S, Murray P, O'Neill L, Strachan L, Iwashyna TJ, Shaw M and Quasim, T. (2022) 'A multicentre evaluation exploring the impact of an integrated health and social care intervention for the caregivers of ICU survivors.', Critical Care, 26, pp.152.

Musisi, E., Ssesolo, A., Sloan, D. J., Gillespie, S. H. and Sabiiti, W. (2022). 'Detection and quantification of viable Mycobacterium tuberculosis bacilli in saline-processed stool samples by Tuberculosis Molecular Bacterial Load Assay: a potential alternative for processing stool.', Microbiology Spectrum.

Pirzada, P., Morrison, D., Doherty, G. H., Dhasmana, D. J., and Harris-Birtill, D. C. C. (2022, May 27). 'Automated Remote Pulse Oximetry System (ARPOS) Methodology and Protocol.'

Saad A., AzuaraBlanco A., Styles C., Bailey C., McAuley D., Steel D.H., Ghanchi F.D., Menon G., Eleftheriadis H., Efraimidis S., Cook J., Wang A., Sones W., Acharya N., Lois N., Waugh N., Mistry H., Maredza M., Fatum S., Sivaprasad S., Aldington S., Scanlon P.H., Ivanova K., Aslam T.M., Chong V., Jackson A., McNally C., Rice R. and Prior, L. (2022 May 6) 'Patients views on a new surveillance pathway involving allied non-medical staff for people with treated diabetic macular oedema and

proliferative diabetic retinopathy.', Eye.

SavonaVentura C, Mahmood T, Mukhopadhyay S, Martins N, Louwen F and Tarlatzis, B. (2022) 'The consequences of armed conflict on the health of women and newborn and sexual reproductive health - A position statement by the European Board and College of Obstetrics and Gynaecology (EBCOG).', European Journal of Obstetrics, Gynecology, & Reproductive Biology, 274, pp.80-82. [No full text available]

Savona-Ventura, C. and Mahmood, T. (2022) 'Commercial air and highaltitude travel by pregnant women: A scientific review commissioned by the European Board and College of Obstetrics and Gynaecology (EBCOG)', European Journal of Obstetrics & Gynecology & Reproductive Biology, 272, pp.217-219. [No full text available]

Snowden G, Jabbal M and Akhtar, A. (2022 May 9) 'Radiation safety awareness and practices amongst orthopaedic surgeons in Scotland.', Scottish Medical Journal.

Stirling PHC, Simpson CJ, Ring D, Duckworth AD and McEachan, J.E. (2022) 'Virtual management of clinically suspected scaphoid fractures.', Bone & Joint Journal, 104-B(6), pp.709-714. [No full text available]

Sullivan, F., Tello, A., Rauchhaus, P., Hernandez Santiago, V. and Daly, F. (2022). 'Assessment of background levels of autoantibodies as a prognostic marker for severe SARS-CoV-2 infection.', Journal of Circulating Biomarkers, 11, pp.24-27.

Topcu G., SavonaVentura C., AyresdeCampos D., Mukhopadhyay S., Messinis I., Mahmood T., Cassar O.A. and Gixti Sultana, S. (2022) 'Provision of antenatal care in Europe-A scientific study commissioned by European Board and College of Obstetrics and Gynaecology (EBCOG).', European Journal of Obstetrics and Gynecology and Reproductive Biology, 272, pp.30-36. [No full text available]

Zachariou, M., Arandelovic, O., Dombay, E., Sabiiti, W., Mtafya, B. A. and Sloan, D. J. (2022). **Extracting and classifying salient fields of view**

from microscopy slides of tuberculosis bacteria.' In M. El Yacoubi, E. Granger, P. C. Yuen, U. Pal, & N. Vincent (Eds.), Pattern Recognition and Artificial Intelligence: Third International Conference, ICPRAI 2022, Paris, France, June 1–3, 2022, Proceedings, Part I (pp. 146–157). (Lecture Notes in Computer Science; Vol. 13363). Springer. [No full text available]