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Summary

Activities / Findings

I am interested in using systematic review methodology to discover novel mechanisms of carcinogenesis. I also have an interest in performing systematic reviews of interventions and tests (both diagnostic and prognostic) within the cancer field.

I am also interested in sources of bias in non-randomized studies of interventions, particularly in quasi-experimental studies.

Teaching

I am part of the team that teaches fourth year medical students about systematic reviews.

I teach on the short course *Introduction to Systematic Reviews and Meta-analysis*.

Keywords

- Systematic Reviews
- Risk of bias in non-randomized studies
- Cancer

Skills

- Cancer

Methodologies

- Systematic reviews

Memberships

Organisations

[Bristol Medical School \(PHS\)](#)

Recent publications

- McAleenan, A, Howell, A, Kernohan, A, Faulkner, CL, Dawson, S, Wragg, C, Jefferies, S, Brandner, S, Vale, L, Higgins, JP & Kurian, KM, 2019, '[Prognostic value of test\(S\) for O⁶-methylguanine-DNA methyltransferase \(MGMT\) promoter methylation for predicting overall survival in people with glioblastoma treated with temozolomide](#)'. *Cochrane Database of Systematic Reviews*, vol 2019.
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- Moore, T, Kesten, J, Lopez-Lopez, JA, McAleenan, A, Ijaz, S, Richards, A, Gray, S, Savovi█, J & Audrey, S, 2018, '[The effects of changes to the built environment on the mental health and well-being of adults: Systematic review](#)'. *Health and Place*, vol 53., pp. 237-257
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- Howell, A, Zheng, J, Haycock, P, McAleenan, A, Relton, C, Martin, R & Kurian, K, 2018, '[Use of Mendelian Randomization for Identifying Risk Factors for Brain Tumors](#)'. *Frontiers in Genetics*, vol 9.
- Welton, NJ, McAleenan, A, Thom, HH, Davies, P, Hollingworth, W, Higgins, JP, Okoli, G, Sterne, JA, Feder, G, Eaton, D, Hingorani, A, Fawsitt, C, Lobban, T, Bryden, P, Richards, A & Sofat, R, 2017, '[Screening strategies for atrial fibrillation: A systematic review and cost-effectiveness analysis](#)'. *Health Technology Assessment*, vol 21., pp. vii-235

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