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Employment

Director (CHaRT)

Personal Professor
Health Services Research Unit
Life Sciences & Medicine
1 Aug 2017 → present

Centre for Healthcare Randomised Trials (CHaRT)

Life Sciences & Medicine
1 Jan 2004 → present

Institute of Applied Health Sciences

University Research Themes, Groups, Pools and Institutes
1 Jan 2001 → present

Research outputs

Resuscitative Endovascular Balloon Occlusion of the Aorta in Patients With Exsanguinating Hemorrhage-Reply
Jansen, J. O., MacLennan, G. S. & Campbell, M. K., 19 Mar 2024, In: *JAMA*. 331, 11, p. 981-982 2 p.

Reply to Arnulf Stenzl, Morgan Rouprêt, J. Alfred Witjes, Paolo Gontero. High-quality Transurethral Resection of Bladder Tumour Needs Additional Forms of Tumour Delineation. Eur Urol 2023;83:193–4
Heer, R., Tan, W. S., Gravestock, P., Vadiveloo, T., Lewis, R., Penegar, S., Vale, L., MacLennan, G., Hall, E. & PHOTO Trial Team, Mar 2024, In: *European Urology*. 85, 3, p. 309-312 4 p.

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Three-year cost utility analysis of mini versus standard slings: A trial based economic evaluation

Kilonzo, M., Boyers, D., Cooper, D., Davidson, T., Bhal, K., N'Dow, J., MacLennan, G., Norrie, J. & Abdel-Fattah, M., 1 Feb 2024, In: *BJUI Compass*. 5, 2, p. 230-239 10 p.

Effects of socioeconomic status on baseline values and outcomes at 24 months in the Treatment of Advanced Glaucoma Study randomised controlled Trial

King, A. J., Hudson, J., Azuara-Blanco, A., Kirwan, J. F., Goyal, S., Lim, K. S., MacLennan, G. & TAGS Research Group, 29 Jan 2024, In: *British Journal of Ophthalmology*. 108, 2, p. 203-210 8 p.

Evaluating Primary Treatment for People with Advanced Glaucoma: Five-Year Results of the Treatment of Advanced Glaucoma Study

King, A. J., Hudson, J., Azuara-Blanco, A., Burr, J., Kernohant, A., Homer, T., Shabaninejad, H., Sparrow, J. M., Garway-Heath, D., Barton, K., Norrie, J., Davidson, T., Vale, L., MacLennan, G. & TAGS Study Group, 8 Jan 2024, (E-pub ahead of print) In: *Ophthalmology*.

Effectiveness of conservative management versus laparoscopic cholecystectomy in the prevention of recurrent symptoms and complications in adults with uncomplicated symptomatic gallstone disease (C-GALL trial): pragmatic, multicentre randomised controlled trial

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Cost-effectiveness of cognitive behavioural and personalised exercise interventions for reducing fatigue in inflammatory rheumatic diseases

Chong, H. Y., McNamee, P., Bachmair, E-M., Martin, K., Aucott, L., Dhaun, N., Dures, E., Emsley, R., Gray, S. R., Kidd, E., Kumar, V., Lovell, K., MacLennan, G., Norrie, J., Paul, L., Packham, J., Ralston, S. H., Siebert, S., Wearden, A., Macfarlane, G., & 2 othersBasu, N. & LIFT study group, Dec 2023, In: Rheumatology. 62, 12, p. 3819-3827 9 p.

Development of an intervention to manage benzodiazepine dependence and high-risk use in the context of escalating drug related deaths in Scotland: an application of the MRC framework

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Emergency Department Resuscitative Endovascular Balloon Occlusion of the Aorta in Trauma Patients With Exsanguinating Hemorrhage: The UK-REBOA Randomized Clinical Trial

Jansen, J. O., Hudson, J., Cochran, C., MacLennan, G., Lendrum, R., Sadek, S., Gillies, K., Cotton, S., Kennedy, C., Boyers, D., Ferry, G., Lawrie, L., Nath, M., Wileman, S., Forrest, M., Brohi, K., Harris, T., Lecky, F., Moran, C., Morrison, J. J., & 6 othersNorrie, J., Paterson, A., Tai, N., Welch, N., Campbell, M. K. & UK-REBOA Study Group, 21 Nov 2023, In: JAMA. 330, 19, p. 1862-1871 10 p.

Cost-effectiveness of primary surgical versus primary medical management in the treatment of patients presenting with advanced glaucoma

Kernohan, A., Homer, T., Shabaninejad, H., King, A. J., Hudson, J., Fernie, G., Azuara-Blanco, A., Burr, J., Sparrow, J. M., Garway-Heath, D., Barton, K., Norrie, J., MacLennan, G. & Vale, L., 1 Oct 2023, In: British Journal of Ophthalmology. 107 , 10, p. 1452-1457 6 p.

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Laparoscopic cholecystectomy versus conservative management for adults with uncomplicated symptomatic gallstones: the C-GALL RCT

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Cost utility analysis of shockwave lithotripsy versus ureteroscopic stone treatment in adults

Kilonzo, M. M., Dasgupta, R., Thomas, R., Aucott, L., MacLennan, S., Lam, T. B. L., Anson, K., Cameron, S., Starr, K., Burgess, N., Keeley, F. X., Clark, C. T., N'Dow, J., MacLennan, G. & McClinton, S., Feb 2023, In: BJU International. 131, 2, p. 253-261 9 p.

Correction to: Pulpotomy for the Management of Irreversible Pulpitis in Mature Teeth (PIP): a feasibility study (Pilot and Feasibility Studies, (2022), 8, 1, (77), 10.1186/s40814-022-01029-9)

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Developing a Diagnostic Multivariable Prediction Model for Urinary Tract Cancer in Patients Referred with Haematuria: results from the IDENTIFY Collaborative Study

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A Randomized Trial of PHOTodynamic Surgery in Non-Muscle-Invasive Bladder Cancer

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The Achieving Self-directed Integrated Cancer Aftercare Intervention for Detection of Recurrent and Second Primary Melanoma in Survivors of Melanoma: Pilot Randomized Controlled Trial

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Randomised controlled trial comparing the clinical and cost-effectiveness of various washout policies versus no washout policy in preventing catheter associated complications in adults living with long-term catheters: study protocol for the CATHETER II study

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Remotely delivered cognitive behavioural and personalised exercise interventions for fatigue severity and impact in inflammatory rheumatic diseases: a multi-centre randomised controlled parallel open-label group trial (LIFT)

Bachmair, E.-M., Martin, K., Aucott, L., Dhaun, N., Dures, E., Emsley, R., Gray, S. R., Kidd, E., Kumar, V., Lovell, K., MacLennan, G., McNamee, P., Norrie, J., Paul, L., Packham, J., Ralston, S. H., Siebert, S., Wearden, A., LIFT study group, Macfarlane, G., & 1 othersBasu, N., 1 Aug 2022, In: *The Lancet Rheumatology*. 4, 8, p. e534-e545 12 p.

Synthetic sling or artificial urinary sphincter for men with urodynamic stress incontinence after prostate surgery: the MASTER non-inferiority RCT

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Effectiveness and cost-effectiveness of text messages with or without endowment incentives for weight management in men with obesity (Game of Stones): study protocol for a randomised controlled trial

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Reducing asthma attacks in children using exhaled nitric oxide (RAACENO) as a biomarker to inform treatment strategy: a multicentre, parallel, randomised, controlled, phase 3 trial

Turner, S., Cotton, S., Wood, J., Bell, V., Raja, E. A., Scott, N., Morgan, H., Lawrie, L., Emele, D., Kennedy, C., Scotland, G., Fielding, S., MacLennan, G., Norrie, J., Forrest, M., Gaillard, E. A., de Jongste, J. C., Pijnenburg, M. W., Thomas, M. & Price, D., 6 Jun 2022, In: *The Lancet. Respiratory medicine*. 10, 6, p. 584-592 9 p.

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Turner, S., Cotton, S., Wood, J., Bell, V., Raja, E. A., Scott, N., Morgan, H., Lawrie, L., Emele, D., Kennedy, C., Scotland, G., Fielding, S., MacLennan, G., Norrie, J., Forrest, M., Gaillard, E. A., de Jongste, J., Pijnenburg, M. W., Thomas, M. & Price, D., 1 Jun 2022, In: *Efficacy and Mechanism Evaluation*. 9, 4, p. 1-153 153 p.

The EMPOWER blended digital intervention for relapse prevention in schizophrenia: a feasibility cluster randomised controlled trial in Scotland and Australia

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Visualising harms in publications of randomised controlled trials: consensus and recommendations

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The effectiveness and cost-effectiveness of resuscitative endovascular balloon occlusion of the aorta (REBOA) for trauma patients with uncontrolled torso haemorrhage: study protocol for a randomised clinical trial (the UK-REBOA trial)

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The development of theory-informed participant-centred interventions to maximise participant retention in randomised controlled trials

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Pulpotomy for the Management of Irreversible Pulpitis in Mature Teeth (PIP): a feasibility study

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Single-Incision Mini-Slings for Stress Urinary Incontinence in Women

Abdel-Fattah, M., Cooper, D., Davidson, T., Kilonzo, M., Hossain, M., Boyers, D., Bhal, K., Wardle, J., N'Dow, J., MacLennan, G. & Norrie, J., 31 Mar 2022, In: The New England Journal of Medicine. 386, 13, p. 1230-1243 14 p.

Shockwave lithotripsy compared with ureteroscopic stone treatment for adults with ureteric stones: the TISU non-inferiority RCT

Dasgupta, R., Cameron, S., Aucott, L., MacLennan, G., Kilonzo, M. M., Lam, T. B., Thomas, R., Norrie, J., McDonald, A., Anson, K., N'Dow, J., Burgess, N., Clark, C. T., Keeley, F. X., MacLennan, S. J., Starr, K. & McClinton, S., 1 Mar 2022, In: Health technology assessment (Winchester, England). 26, 19, p. 1-70 70 p.

Assessing the feasibility, acceptability and accessibility of a peer-delivered intervention to reduce harm and improve the well-being of people who experience homelessness with problem substance use: the SHARPS study

Parkes, T., Matheson, C., Carver, H., Foster, R., Budd, J., Liddell, D., Wallace, J., Pauly, B., Fotopoulou, M., Burley, A., Anderson, I., Price, T., Schofield, J. & MacLennan, G., 4 Feb 2022, In: Harm Reduction Journal. 19, 21 p., 10.

A peer-delivered intervention to reduce harm and improve the well-being of homeless people with problem substance use: the SHARPS feasibility mixed-methods study

Parkes, T., Matheson, C., Carver, H., Foster, R., Budd, J., Liddell, D., Wallace, J., Pauly, B., Fotopoulou, M., Burley, A., Anderson, I. & MacLennan, G., 1 Feb 2022, In: Health technology assessment (Winchester, England). 26, 14, p. 1-128 128 p.

The ALLEGRO trial: a placebo controlled randomised trial of intravenous lidocaine in accelerating gastrointestinal recovery after colorectal surgery

Paterson, H., Cotton, S., Norrie, J., Nimmo, S., Foo, I., Balfour, A., Speake, D., MacLennan, G., Stoddart, A., Innes, K., Cameron, S., Aucott, L. & McCormack, K., 28 Jan 2022, In: Trials. 23, 1, 13 p., 84.

Eye Movement Patterns Can Distinguish Schizophrenia From the Major Affective Disorders and Healthy Control Subjects

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Primary trabeculectomy versus primary glaucoma eye drops for newly diagnosed advanced glaucoma: TAGS RCT

King, A. J., Fernie, G., Hudson, J., Kernohan, A., Azuara-Blanco, A., Burr, J., Homer, T., Shabaninejad, H., Sparrow, J. M., Garway-Heath, D., Barton, K., Norrie, J., McDonald, A., Vale, L. & MacLennan, G., Dec 2021, 72 ed. (Health Technology Assessment)

Primary trabeculectomy versus primary glaucoma eye drops for newly diagnosed advanced glaucoma: TAGS RCT

King, A. J., Fernie, G., Hudson, J., Kernohan, A., Azuara-Blanco, A., Burr, J., Homer, T., Shabaninejad, H., Sparrow, J. M., Garway-Heath, D., Barton, K., Norrie, J., McDonald, A., Vale, L. & MacLennan, G., Nov 2021, In: Health Technology Assessment. 25, 72, p. i-158 194 p.

Female Urgency, Trial of Urodynamics as Routine Evaluation (FUTURE study): a superiority randomised clinical trial to evaluate the effectiveness and cost-effectiveness of invasive urodynamic investigations in management of women with refractory overactive bladder symptoms

Abdel-fattah, M., Chapple, C., Guerrero, K., Dixon, S., Cotterill, N., Ward, K., Hashim, H., Monga, A., Brown, K., Drake, M. J., Gammie, A., Mostafa, A., Bladder Health, U. K., Breeman, S., Cooper, D., MacLennan, G. & Norrie, J., 26 Oct 2021, In: Trials. 22, 1, 18 p., 745.

A multicentre open label randomised clinical trial using exhaled nitric oxide in addition to standard care to reduce asthma attacks in children

Turner, S., Cotton, S., Wood, J., Bell, V., Raja, E. A., Scott, N., Morgan, H., Lawrie, L., Emele, D., Kennedy, C., Scotland, G., Fielding, S., MacLennan, G., Norrie, J., Forrest, M., Gaillard, E. A., Gaillard, E. A., de Jongeste, J., Pijnenburg, M. W., Thomas, M., & 1 othersPrice, D., 6 Oct 2021, (Accepted/In press) In: *Efficacy and Mechanism Evaluation*.

The IDENTIFY Study: The Investigation and Detection of Urological Neoplasia in Patients Referred with Suspected Urinary Tract Cancer; A multicentre observational study

Khadhouri, S., Gallagher, K. M., MacKenzie, K., Shah, T. T., Gao, C., Moore, S., Zimmermann, E., Edison, E., Jefferies, M., Nambiar, A. K., Mannas, M., Lee, T., Marra, G., Lillaz, B., Gómez Rivas, J., olivier, J., Assmus, M., Uçar, T., Claps, F., Boltri, M., & 19 othersBurnhope, T., Nkwam, N., Tanasescu, G., Boxall, N., Downey, A., Lal, A., Antón-Juanilla, M., Clarke, H., Lau, D., Gillams, K., Crockett, M., Nielsen, M. E., Takwoingi, Y., Chuchu, N., O'Rourke, J., MacLennan, G., McGrath, J., Kasivisvanathan, V. & The IDENTIFY Study Group, 1 Oct 2021, In: *BJU International*. 128, 4, p. 440-450 12 p.

Why trials lose participants: a multi-trial investigation of participants' perspectives using the theoretical domains framework

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Selective Caries Removal in Permanent Teeth (SCRiPT) for the treatment of deep carious lesions: a randomised controlled clinical trial in primary care

Clarkson, J. E., Ramsay, C. R., Ricketts, D., Banerjee, A., Deery, C., Lamont, T., Boyers, D., Marshman, Z., Goula, B., Banister, K., Conway, D., Dawett, B., Baker, S., Sherriff, A., Young, L., van der Pol, M., MacLennan, G., Floate, R., Braid, H., Fee, P., & 8 othersForrest, M., Gouick, J., Mitchell, F., Gupta, E., Dakri, R., Kettle, J., McGuff, T. & Dunn, K., 9 Jul 2021, In: *BMC Oral Health*. 21, 17 p., 336.

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Abdel-Fattah, M., MacLennan, G. & Mostafa, A.

1/05/17 → 31/01/25

(REBALANCE) REview of Behaviour And Lifestyle interventions for severe obesity: AN evidenCE synthesis

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1/07/16 → 30/06/18

ADJUSTABLE SINGLE-INCISION MINI SLINGS VERSUS STANDARD TENSION FREE MID URETHRAL SLINGS IN THE SURGICAL MANAGEMENT OF FEMALE STRESS URINARY INCONTINENCE: A PRAGMATIC MULTICENTRE NON INFERIORITY RANDOMISED CONTROL TRIAL - THE SIMS TRIAL.

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1/12/13 → 31/05/19

CATHETER II STUDY - RANDOMISED CONTROLLED TRIAL COMPARING THE CLINICAL AND COST-EFFECTIVENESS OF VARIOUS WASHOUT POLICIES VERSUS NO WASHOUT POLICY IN PREVENTING CATHETER ASSOCIATED COMPLICATIONS IN ADULTS LIVING WITH LONG-TERM CATHETERS.

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1/10/18 → 29/02/24

Deep infiltrating endometriosis: management by medical treatment versus early surgery: DIAMOND

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1/01/21 → 30/04/25

SIMS TRIAL FOLLOW UP STUDY (FOLLOW UP TO RG11505):ADJUSTABLE ANCHORED SINGLE-INCISION MINI SLINGS VERSUS STANDARD TENSION FREE MIDURETHRAL SLINGS IN THE SURGICAL MANAGEMENT OF FEMALE STRESS URINARY INCONTINENCE: A PRAGMATIC MULTICENTRE NON-INFERIORITY RANDOMISED CONTROLLED TRIAL

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1/06/21 → 31/03/28

Selective decontamination of the digestive tract in critically ill patients in Intensive Care Units (the SuDDICU study)

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1/10/10 → 31/03/12

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Boyers, D., Campbell, M., MacLennan, G. & Jansen, J.

1/04/17 → 31/03/23

THERAPEUTIC INTERVENTIONS FOR STONES OF THE URETER (TISU): A PRAGMATIC MULTICENTRE RANDOMISED CONTROLLED TRIAL OF EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) AT FIRST TREATMENT OPTION COMPARED WITH IMMEDIATE URETEROSCOPIC RETRIEVAL OF URETERIC STONES.

McClinton, S., Kilonzo, M., MacLennan, G., MacLennan, S., N'Dow, J. & Thomas, R.

1/03/13 → 31/08/18

The clinical effectiveness and cost-effectiveness of different surveillance mammography regimes after the treatment of primary breast cancer

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1/06/08 → 31/01/10

Impacts

Aberdeen research prompts change in dental policy benefiting thousands of Scottish children

Craig Ramsay (Coordinator), Jeremy M Grimshaw (Coordinator), Graeme MacLennan (Coordinator), Jan Clarkson (Coordinator), Nigel B. Pitts (Coordinator), Ruth Thomas (Coordinator), Elizabeth A Shirran (Coordinator), Marion Campbell (Coordinator) & Jill Ann Mollison (Coordinator)

Helping adults with obesity lose weight: providing a new evidence base and putting it into practice

Alison Avenell (Coordinator), Graeme MacLennan (Participant), Dwayne Boyers (Participant) & Zoe Skea (Participant)