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Employment

Director (CHaRT)

Personal Professor
Aberdeen Centre for Evaluation
University of Aberdeen
1 Aug 2017 → present

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University of Aberdeen
1 Jan 2004 → present

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University of Aberdeen
1 Jan 2001 → present

Research outputs

Ten Year Follow-Up of a Multicentre Randomised Controlled Trial Assessing Clinical and Cost Effectiveness of Total Versus Partial Knee Replacement

Beard, D. J. (Corresponding Author), Davies, L. J., Cook, J. A., MacLennan, G., Hudson, J., Price, A. J., Carr, A. J., Little, M., Leal, J., Fitzpatrick, R., Murray, D. W., Campbell, M. & TOPKAT Study Group, Feb 2026, In: The Lancet Rheumatology. 8, 2, p. e116-e126 11 p.

Clinical and cost-effectiveness of medical management versus surgery for deep infiltrating endometriosis: synopsis from the DIAMOND RCT

Cooper, K., Constable, L., Vadiveloo, T., Matuluko, A., Kennedy, C., McCann, S., Cotton, S., Gillies, K., Bruce, R., Smith, P., MacLennan, G. & Clark, T. J., 28 Jan 2026, (E-pub ahead of print) In: Health Technology Assessment.

A feasibility study of a co-designed intervention to manage benzodiazepine dependence and high-risk use in those receiving opioid agonist treatment

Matheson, C., Berry, K., Kilonzo, M., Galea-Singer, S., Hill, D., Ritchie, T., Schofield, J., Stewart, D., Turner, M. & MacLennan, G., Dec 2026, In: Pilot and Feasibility Studies. 12, 1, 14 p., 4.

Effectiveness and cost-effectiveness of a peer-delivered, relational, harm reduction intervention to improve mental health, quality of life, and related outcomes, for people experiencing homelessness and substance use problems: protocol for the 'SHARPS' cluster randomised controlled trial

Parkes, T., Carver, H. (Corresponding Author), Boyd, J., Cotton, S., Breeman, S., Cooper, D., Forrest, M., Foster, R., Hawthorn, J., Hunt, K., Kilonzo, M., Matheson, C., Maxwell, M., Mercer, S. W., Pauly, B., Scotland, G., Steele, W., Sumnall, H., Wallace, J. & Macaulay, L. & 1 others, MacLennan, G., 9 Jan 2026, In: Trials. 27, 18 p., 18.

ColoCap: determining the diagnostic accuracy of colon capsule endoscopy compared with standard colonoscopy in patients at risk of colorectal disease: a study protocol

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Spirometry to manage asthma in children: a study protocol for a randomised controlled trial (SPIROMAC)

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PUrE Randomised Controlled Trial 2: Clinical and Cost Effectiveness of Flexible Ureterorenoscopy and Percutaneous Nephrolithotomy for Lower-pole Stones of 10–25 mm

Smith, D. (Corresponding Author), Wiseman, O., Starr, K., Aucott, L., Hernández, R., Thomas, R., MacLennan, S., Clark, C. T., MacLennan, G., McRae, D., Bell, V., Cotton, S., Gall, Z., Turney, B. & McClinton, S., Sept 2025, In: *European Urology Focus*. 11, 5, p. 684-694 11 p.

Updated Systematic Review and Meta-analysis of Extracorporeal Shock Wave Lithotripsy, Flexible Ureterorenoscopy, and Percutaneous Nephrolithotomy for Lower Pole Renal Stones

MacLennan, S. (Corresponding Author), Wiseman, O. J., Smith, D., Starr, K., Aucott, L., Hernández, R. A., Manson, P., Thomas, R., Clark, C. T., MacLennan, G., McRae, D., Bell, V., Cotton, S., Gall, Z., Turney, B. & McClinton, S., Sept 2025, In: *European Urology*. 88, 3, p. 231-239 9 p.

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CATHETER II, a 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

Abdel-Fattah, M., Omar, M. I. (Corresponding Author), Johnson, D., Cooper, D., Constable, L., Tripathi, S., MacLennan, S., Cotton, S., Norrie, J., MacLennan, G. & Catheter II Team, 19 Jun 2025, (Accepted/In press).

Bisoprolol for patients with chronic obstructive pulmonary disease at high risk of exacerbation: the BICS RCT

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Invasive urodynamic investigations in the management of women with refractory overactive bladder symptoms (FUTURE) in the UK: a multicentre, superiority, parallel, open-label, randomised controlled trial

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Abdel-Fattah, M. (Corresponding Author), Omar, M. I., Johnson, D., Cooper, D., Constable, L., Tripathee, S., MacLennan, S., Dimitropoulos, K., Evans, S., Hashim, H., Kilonzo, M., Larcombe, J., Little, P., Murchie, P., Myint, P. K., N'Dow, J., Paterson, C., Powell, K., Scotland, G. & Thiruchelvam, N. & 4 others, Young, A., Cotton, S., Norrie, J. & MacLennan, G., Dec 2024, In: *BMJ Open*. 14, 12, 14 p., e087203.

Clinical and cost-effectiveness of parenting intervention for mothers experiencing psychosocial stress: insights from the early closure of the Mellow Babies RCT
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Which glaucoma patients should be monitored at home and exploration of clinician perceptions on home monitoring? a survey of glaucoma specialists in the UK
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RCT comparing the clinical and cost effectiveness of various catheter washout policies
Abdel-Fattah, M., Omar, M. I., Johnson, D., Cooper, D., Constable, L., Tripathee, S., MacLennan, S., Cotton, S., Norrie, J., MacLennan, G. & Team, C. I., 16 Oct 2024, In: *BJOG-An International Journal of Obstetrics and Gynaecology*. 131, S5, MTeP-42.

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

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Resuscitative Endovascular Balloon Occlusion of the Aorta in Patients With Exsanguinating Hemorrhage-Reply

Jansen, J. O. (Corresponding Author), MacLennan, G. S. & Campbell, M. K., 19 Mar 2024, In: JAMA. 331, 11, p. 981-982 2 p.

PUrE RCT 1: Clinical and cost-effectiveness of flexible ureterorenoscopy and extracorporeal shockwave lithotripsy for lower pole stones ≤10 mm

Wiseman, O. (Corresponding Author), Smith, R. D., Starr, K., Aucott, L., Hernández, R., Thomas, R. E., MacLennan, S., Clark, T., MacLennan, G., Mcrae, D., Bell, V., Cotton, S., Gall, Z., Turney, B. & McClinton, S., 5 Mar 2024, In: European Urology. 85, Supplement 1, p. S529 2 p., P375.

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

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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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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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Projects

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.

Abdel-Fattah, M. (Principal Investigator), Wardle, J. (Co-Investigator), McCormack, K. (Co-Investigator), Assassa, R. P. (Co-Investigator), Kilonzo, M. (Co-Investigator), MacLennan, G. (Co-Investigator), N'Dow, J. (Co-Investigator) & Norrie, J. D. T. (Co-Investigator)

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.

Abdel-Fattah, M. (Principal Investigator), Kilonzo, M. (Co-Investigator), MacLennan, G. (Co-Investigator), MacLennan, S. (Co-Investigator), Murchie, P. (Co-Investigator), Myint, P. (Co-Investigator), N'Dow, J. (Co-Investigator), Omar, M. I. (Co-Investigator) & Scotland, G. (Co-Investigator)
1/10/18 → 29/02/24

Clinical and cost-effectiveness of surgical options for the management of anterior and/or posterior vaginal wall prolapse: two randomised controlled trials within a Comprehensive Cohort Study

Reid, F. (Principal Investigator), Smith, A. R. (Co-Investigator), Bain, C. (Co-Investigator), McPherson, G. (Co-Investigator), Freeman, R. M. (Co-Investigator), McDonald, A. (Co-Investigator), Montgomery, I. (Co-Investigator), Grant, A. (Co-Investigator), MacLennan, G. (Co-Investigator), Norrie, J. (Co-Investigator), Cooper, K. (Co-Investigator), Vale, L. (Co-Investigator) & Hagen, S. (Co-Investigator)
1/09/09 → 30/04/20

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

Cooper, K. (Principal Investigator), Clark, T. J. (Co-Principal Investigator), Amer, S. A. (Co-Investigator), Byrne, D. (Co-Investigator), Scotland, G. (Co-Investigator), Glamaleldin, I. (Co-Investigator), Smith, P. (Co-Investigator), Vashisht, A. (Co-Investigator), Horne, A. W. (Co-Investigator), MacLennan, G. (Co-Investigator), Gillies, K. (Co-Investigator), Murchie, P. (Co-Investigator) & Bhattacharya, S. (Co-Investigator)
1/01/21 → 30/04/25

Does Mellow Babies improve the psychosocial health of mothers and their children? The Mellow Babies Trial

Thompson, L. (Principal Investigator), MacBeth, A. (Co-Investigator), Marryat, L. (Co-Investigator), Allison, T. (Co-Investigator), McGowan, I. (Co-Investigator), McTaggart, J. (Co-Investigator), Murdoch, B. (Co-Investigator), Simpson, C. (Co-Investigator), Wight, D. (Co-Investigator), MacLennan, G. (Co-Investigator), Law, J. (Co-Investigator), Norrie, J. (Co-Investigator) & Ternent, L. (Co-Investigator)
1/10/18 → 30/06/23

Follow up for PROSPECT Study

Reid, F. (Principal Investigator), Hemming, C. (Co-Investigator), Breeman, S. (Co-Investigator), Elders, A. (Co-Investigator), Forrest, M. (Co-Investigator), Kilonzo, M. (Co-Investigator), MacLennan, G. (Co-Investigator), Norrie, J. (Co-Investigator), Cooper, K. (Co-Investigator), Freeman, R. M. (Co-Investigator) & Hagen, S. (Co-Investigator)
1/08/21 → 31/07/28

(FUTURE STUDY) FEMALE URGENCY, TRIAL OF URODYNAMICS AS ROUTINE EVALUATION: 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. (Principal Investigator), MacLennan, G. (Co-Investigator) & Mostafa, A. (Co-Investigator)
1/05/17 → 31/01/25

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

Avenell, A. (Principal Investigator), Boyers, D. (Co-Investigator), Webber, L. (Co-Investigator), Skea, Z. (Co-Investigator), MacLennan, G. (Co-Investigator), de Bruin, M. (Co-Investigator) & Aveyard, P. (Co-Investigator)
1/07/16 → 30/06/18

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

Francis, J. (Principal Investigator), Bellingan, G. (Co-Investigator), Shulman, R. (Co-Investigator), Cuthbertson, B. H. (Co-Investigator), Ramsay, C. (Co-Investigator), MacLennan, G. (Co-Investigator), M Rowan, K. (Co-Investigator), Johnston, M. (Co-Investigator), Campbell, M. (Co-Investigator), Eccles, M. (Co-Investigator) & Wilson, P. (Co-Investigator)
1/10/10 → 31/03/12

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

Abdel-Fattah, M. (Principal Investigator), Cooper, D. (Co-Investigator), Davidson, T. (Co-Investigator), Kilonzo, M. (Co-Investigator), MacLennan, G. (Co-Investigator) & MacLennan, S. (Co-Investigator)
1/06/21 → 31/03/28

SPIROMAC SPIROMetry to Manage Asthma in Children

Turner, S. (Principal Investigator), Gaillard, E. A. (Co-Investigator), Kennington, E. (Co-Investigator), Aucott, L. (Co-Investigator), Cotton, S. (Co-Investigator), Sinha, I. (Co-Investigator) & MacLennan, G. (Co-Investigator)
1/08/21 → 31/07/25

The clinical and cost effectiveness of surgical interventions for stones in the lower pole of the kidney: the PuRE RCT - Percutaneous Nephrolithotomy (PNL), Flexible Ureterorenoscopy (FURS) and Extracorporeal Shockwave Lithotripsy (ESWL) for lower pole calyceal kidney stones

McClinton, S. (Principal Investigator), Turney, B. (Co-Investigator), Hernández, R. A. (Co-Investigator), Thomas, R. (Co-Investigator), MacLennan, S. (Co-Investigator), Clark, C. T. (Co-Investigator), Smith, D. (Co-Investigator), Thomas, D. (Co-Investigator), Anson, K. (Co-Investigator), Wiseman, O. (Co-Investigator), Lam, T. (Co-Investigator), Starr, K. (Co-Investigator), MacLennan, G. (Co-Investigator) & Pickard, R. (Co-Investigator)
1/12/15 → 28/02/23

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

Gilbert, F. J. (Principal Investigator), Burr, J. (Co-Investigator), Wilson, R. (Co-Investigator), Thomas, R. (Co-Investigator), Fraser, C. (Co-Investigator), de Verteuil, R. (Co-Investigator), MacLennan, G. (Co-Investigator), Dixon, J. E. (Co-Investigator), Vale, L. (Co-Investigator), Blamey, R. (Co-Investigator), Pinder, S. E. (Co-Investigator) & Heys, S. (Co-Investigator)
1/06/08 → 31/01/10

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. (Principal Investigator), Kilonzo, M. (Co-Investigator), MacLennan, G. (Co-Investigator), MacLennan, S. (Co-Investigator), N'Dow, J. (Co-Investigator) & Thomas, R. (Co-Investigator)
1/03/13 → 31/08/18

THE UK RESUSCITATIVE ENDOVASCULAR BALLON OCCLUSION OF THE AORTA (UK-REBOA) STUDY.

Boyers, D. (Co-Investigator), Campbell, M. (Co-Investigator), MacLennan, G. (Co-Investigator) & Jansen, J. (Principal Investigator)
1/04/17 → 31/03/23

Types of urethral catheter for reducing symptomatic urinary tract infections in hospitalised adults requiring short-term catheterisation: multicentre randomised controlled trial of antibiotic and antiseptic impregnated urethral catheters

N'Dow, J. (Principal Investigator), Buckley, B. (Co-Investigator), Orr, K. (Co-Investigator), Lam, T. (Co-Investigator), Kilonzo, M. (Co-Investigator), Grant, A. (Co-Investigator), Glazener, C. M. A. (Co-Investigator), MacLennan, G. (Co-Investigator), Norrie, J. (Co-Investigator), Getliffe, K. (Co-Investigator), Vale, L. (Co-Investigator) & Pickard, R. (Co-Investigator)
1/02/07 → 30/09/11

Use of drug therapy in the management of symptomatic ureteric stones in hospitalised adults: multicentre placebo controlled randomised trial of calcium channel blockers (nifedipine) and alpha blockers (tamsulosin) - The SUSPEND trial

McClinton, S. (Principal Investigator), Wright, P. (Co-Investigator), Thomas, R. (Co-Investigator), Patel, U. (Co-Investigator), Clark, C. T. (Co-Investigator), Anson, K. (Co-Investigator), Burgess, N. (Co-Investigator), Lam, T. (Co-Investigator), McMullan, K. (Co-Investigator), Kilonzo, M. (Co-Investigator), Preminger, G. (Co-Investigator), MacLennan, G. (Co-Investigator), N'Dow, J. (Co-Investigator), Norrie, J. (Co-Investigator), Gillies, K. (Co-Investigator) & Pickard, R. (Co-Investigator)
1/06/10 → 31/10/14

Impacts

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

Ramsay, C. (Coordinator), Grimshaw, J. M. (Coordinator), MacLennan, G. (Coordinator), Clarkson, J. (Coordinator), Pitts, N. B. (Coordinator), Thomas, R. (Coordinator), Shirran, E. A. (Coordinator), Campbell, M. (Coordinator) & Mollison, J. A. (Coordinator)

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

Avenell, A. (Coordinator), MacLennan, G. (Participant), Boyers, D. (Participant) & Skea, Z. (Participant)