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Research & Innovation Bulletin

NHS
Northern Care Alliance
NHS Group

Research news from the Northern Care Alliance

17 April 2019

The Northern Care Alliance NHS Group serves a population of over 1 million people with five local hospitals, 2,000 beds, specialist, acute and community services, and over 17,000 staff from Salford Royal NHS Foundation Trust and The Pennine Acute Hospitals NHS Trust. It has a rich history of pioneering health care and is now building one of the most innovative environments in the UK for conducting patient-focused health research and translating it into patient benefit.



Turning the spotlight on research

Research staff are to feature in a new series of posters across the Northern Care Alliance's five hospital sites. The posters are part of our work to make research more visible across the Alliance so that patients, visitors and staff are aware of our studies and how they contribute to improving clinical care.

Staff from all sites have had professional photographs taken and given a brief quote about their work and its benefits for patients. Many thanks to everyone who has contributed and keep an eye out for the posters appearing over the next few weeks.

News





Jimmy appointed visiting Professor

Gastroenterologist and Joint Principal Clinical Research Lead Jimmy Limdi has been appointed a visiting Professor by Manchester Metropolitan University.

The award recognises his expertise in inflammatory bowel disease (IBD), as well as the role he plays in research and innovation nationally and internationally.

Professor Limdi heads Pennine Acute's IBD service and has built a strong research culture from a standing start. His national and international collaborations on Crohn's disease and ulcerative colitis are helping to increase knowledge of these complex conditions and to test new treatments to improve patients' lives.

[Read more.](#)



Marie achieves UK first

Congratulations to Senior Clinical Research Practitioner Marie Meehan, who recruited the first UK patient to a worldwide study of a new treatment for Fabry disease. MODIFY is a Phase 3 registration study to assess lucerastat as a potential new oral treatment option for patients with this rare inherited condition, which can cause severe neuropathic pain.

Salford Royal is one of 29 sites for the study and recruitment is particularly challenging as it requires patients to agree not to be receiving enzyme therapy during the study. Sponsor Idorsia Pharmaceuticals aims to complete recruitment of 108 patients before the end of this year. Details on the study design are available on [ClinicalTrials.gov](https://clinicaltrials.gov).



Chris is Emeritus Senior Investigator

Salford Royal Dermatology Consultant Professor Chris Griffiths has again been recognised by the National Institute for Health Research for his globally recognised research. He is one of 18 new Emeritus Senior Investigators awarded by the NIHR.

It is a considerable achievement to attain Emeritus status, holders

having succeeded twice in achieving Senior Investigator status in open competition and completed two terms as a Senior Investigator.

Prof Griffiths is Foundation Professor of Dermatology at The University Of Manchester, Director of the Manchester Centre for Dermatology Research and Head of the Dermatology Theme of the NIHR Manchester Biomedical Research Centre. He was awarded an OBE in 2018.

He and his team have an international reputation for research into major skin diseases, especially psoriasis, and run one of Europe's leading dermatology clinical trial units. [More here](#)



New CRN role for Andy

North Manchester General's Principal Research lead Dr Andy Ustianowski has been appointed Deputy Clinical Director of NIHR Clinical Research Network Greater Manchester (CRN GM).

He joins the CRN GM senior management team and will work as deputy to Clinical Director Martin Gibson.

Dr Ustianowski is also a consultant in infectious diseases, with particular expertise in HIV and hepatitis and research lead at the regional infection unit in Manchester, He is based at North Manchester General Hospital, part of Pennine Acute Hospitals NHS Trust which is part of the Northern Care Alliance NHS Group.

[Read more.](#)



Iain is APM President

Congratulations to North Manchester's Dr Iain Lawrie, who has been named as the new President of the Association for Palliative Medicine (APM) of Great Britain and Ireland.

Iain is Consultant in Palliative Medicine for the hospital, and Honorary Clinical Senior Lecturer at The University of Manchester. He has been Vice President of the APM since 2017 and his term as President will also be for two years.



Brain Bank head gives inaugural lecture

Manchester Brain Bank head Federico Roncaroli will give his Inaugural Lecture as Professor of Neuropathology at The University of Manchester on Wednesday 24 April (4pm). Registration is now open for this event, where Prof Roncaroli will look back at his career so far and give an overview of his research into brain and pituitary tumours.

The brain bank is based in Salford Royal's CSB Building and has a collection of around 1,000 brains from patients with various neurodegenerative disorders, including Alzheimer's disease, frontotemporal lobar degeneration, motor neurone disease, Parkinsonian disorders and Huntington's disease - you can read more about its work [here](#). Register for the lecture [here](#).



NCA hospitals are 1st with SPATIAL

Congratulations to Salford Royal and Fairfield General for being the first two hospital sites to open a new allied health professional study for stroke patients.

SPATIAL, a feasibility Study of Prisms And Therapy In Attention Loss after stroke, is investigating whether it is practical to use prism adaptation training to help patients with spatial inattention take part in NHS occupational therapy, and how best to design a trial to test effectiveness.

Led by Audrey Bowen at The University of Manchester, SPATIAL is supported by researchers Kate Woodward-Nutt, Verity Longley and Matt Checketts, in collaboration with Ailie Turton and Pam Moule at the University of the West of England and benefits from dedicated patient involvement and a PPI advisory group chaired by Ann Bamford. The Principal Investigators are occupational therapists Gill Bradley (Salford) and Abby Fisher (Fairfield) and the lead research practitioners are Mel Slaughter (Salford) and Pamela Bradley and Claire Carty (Fairfield).

The study is funded by the National Institute for Health Research (NIHR) Research for Patient Benefit programme. For more information contact SPATIALstroke@manchester.ac.uk or see <https://www.isrctn.com/ISRCTN88395268>



Initiative wins social media praise

Research for the Future – an NIHR CRN Greater Manchester initiative hosted by Salford Royal – was recognised on a national platform at the 2019 NIHR Digital Festival.

It was highly commended in the ‘social engagement pioneer’ category at the annual event to celebrate the best innovations and most creative approaches to the delivery of digital improvement across the NIHR.

RftF, which operates four Help BEAT campaigns, facilitates recruitment to NIHR CRN portfolio studies and other research opportunities, using a ‘consent for approach’ model. It has used Facebook and Twitter accounts to provide information and team members Philip Hammond and Lilian Fallows attended the Digital Festival to exhibit the project and present to the audience.

They were presented with their Highly Commended award by Jonathan Sheffield, NIHR CRN Chief Executive Officer,.



New approach to supporting carers

Co-chief Investigators Professor Audrey Bowen and Dr Emma Patchwood, from CLAHRC - GM, will present the findings of the OSCARSS trial at the European Stroke Organisation Conference in Milan next month.

Stroke is the leading cause of disability in the UK and family members often provide post-stroke support at great personal cost. [OSCARSS](#) is a large-scale national cluster randomised controlled trial, exploring the implementation and effectiveness of a new approach to supporting these informal caregivers of stroke.



Meet the team - Rob Oliver

Rob Oliver started as a junior lab technician before he moved to Hope Hospital (now Salford Royal) in 1997 to start a PhD based within the Clinical Sciences Building laboratories.

Since then he has spent time between here and the University of Manchester, initially working as a research scientist while later establishing the Salford Biorepository. This biobank provides safe and secure long term storage for human blood and tissue kindly donated by consenting Salford patients. These samples are held in banks of alarmed freezers, before being distributed to local, national and international researchers.

Recently he has also established the Northern Care Alliance Research Collection which provides a simple ethical framework for clinicians and researchers to collect tissue from patients across the NCA.

Rob oversees the Biomedical Facility experimental research labs and is the Human Tissue Authority designated individual responsible for ensuring that all human research samples are held with appropriate dignity and respect. He also now leads the Sponsorship Support and Compliance team within R&I, who ensure that sponsored high quality clinical trials and research studies across the NCA are appropriately facilitated and conducted within a strict regulatory framework.

Overall, Rob is dedicated to developing robust and compliant systems that will facilitate important biomedical research and to promoting best use of the generously donated patient samples that are so crucial to advancing our scientific knowledge.

Outside of work he is kept busy with three teenage sons, and loves spending time outside; gardening, walking and keeping chickens.



Get help with your ideas to improve care

Have you identified a service delivery pathway at your hospital that could be improved? Submit your ideas to [Innovation Factor®](#).

The online innovation service allows you to share your idea with NHS innovation experts and seek their support in taking your idea forward. Help includes feedback on viability, market research and

identifying potential funding opportunities. Click [here](#) to learn more.

[Top](#)

Research stars of the month



Bury & Rochdale

The professional, understanding and patient team in the endoscopy suite at Fairfield are the research stars of the month for all their help with a number of commercial gastroenterology studies. They are always very accommodating, allowing research staff to test equipment for video clarity before patient visits and also on the day of the endoscopy. Research patient visits can be more time consuming and our studies would not be able to proceed without their much-valued commitment and help.



North Manchester

Research Nurse Jonathan Shaw has had ever increasing responsibilities for infectious diseases studies over the last year and has gone out of his way to do a thorough job. Setting up for a new study can be daunting and a bit stressful and you need attention to detail so that things run smoothly for the patient - Jonathan has worked flexibly and conscientiously behind the scenes to provide both the Principal Investigator and the patient with a good experience. He makes an excellent contribution to the team.



Oldham

The Royal Oldham's Research Stars of the



Salford

Haematology Biomedical Scientist Katie

Month are the dedicated and hard-working oncology research team. They have randomised a first UK patient into the Cepheus trial, a commercial trial for people with untreated multiple myeloma. They've worked exceptionally hard in the weeks beforehand to get the study set up and ensure the patient was eligible. They've also maintained excellent recruitment in other cancer studies, and a special mention goes to Dawn Johnstone who recruited more than 150 patients from The Royal Oldham Hospital and Rochdale Infirmary to the qFIT bowel cancer study in February.

Tallant was key to randomising our first patient to the CRYOSTAT2 study for adult patients with major trauma haemorrhage. We hope this could help some of our sickest trauma patients but it's a highly complex trial that involves multiple teams working in a time pressured emergency situation. Working collaboratively with a research team and the emergency department is a new venture for blood bank but Katie and her colleagues are making sure the project is delivered safely and successfully. Researchers were particularly pleased to see their commitment to take forward any learning points to make improvements for next time.

Send your nominations

Please keep sending your nominations for the research star of the month, with the name of the person or team and a short paragraph explaining why their work should be recognised to [Vikki O'Loughlin](#) and [Jess Zadik](#).

You can also nominate your team or a colleague for these awards:

- [Nursing Times Awards](#) - closes 26 April
- [Chief Allied Health Professional Officer Awards](#) (including AHP Research Impact category) - closes 10 May
- [National Acute Pain Symposium Acute Pain Awards](#) - closes 1 September

Congratulations

- Congratulations to Senior Research Nurse Diane Campbell, who has been invited to be a UK representative on Bayer's retention panel for its Finerenone studies. Diane's role will sit alongside her work in diabetes at Salford Royal and will involve her guiding and advising colleagues from around the country, providing health teaching assistance and educational support.
- Well done to Dr Annalie Clark who, with Jennifer Rusted, has contributed a chapter on dementias to the new edition of the [Cambridge Handbook of Psychology, Health and Medicine](#). Annalie is a psychiatry registrar at Rochdale Infirmary.
- Congratulations to Salford Royal Consultant Neurosurgeon Pietro D'Urso, who has been appointed a Fellow Ad Eundem of the Royal College of Surgeons.



New code of conduct

The government has launched a new code of conduct to guide the development and adoption of safe, ethical and effective data-driven health and care technologies, such as mobile phone apps and clinical decision support tools. [Read more here.](#)

Local Information Packs

A UK Local Information Pack will be introduced on 5 June. From this date an Organisation Information Document will replace the current Statement of Activities used in England and Wales.

The Organisational Information Document template will be made available from the end of this month and regular updates will be posted [here.](#)

[Top](#)



Building a successful research culture

You can book now for our event [Building a successful research culture in Bury and Rochdale](#) on Tuesday 25 June (4.30-8pm) at Fairfield General.

The programme includes

- Overview of Research & Innovation at Northern Care Alliance: What we have achieved and what more we can achieve
- Principal Investigator for national and international clinical studies: Benefits for our patients, our organisation and the clinician
- Clinical lectureship: The perspective of an Allied Healthcare Professional
- Chief Investigator for clinical studies: What does it involve and how do you become one?
- How to build a research team within your organisation
- Musculoskeletal biomechanics
- Evidence synthesis in clinical research: How to conduct your own systematic review and meta-analysis
- Research Design Service: Support available to develop your research application
- Support available from the National Institute for Health Research (NIHR) and Clinical Research Network (CRN) Greater Manchester

- Buffet supper and networking opportunity

CPD credits have been applied for from the Federation of the Royal Colleges of Physicians of the United Kingdom.

Linking kidney patients and researchers

Do you have kidney disease or know someone who does? Research for the Future is an NHS programme, hosted by the Northern Care Alliance, linking researchers and potential volunteers. You can register to be informed about research going on locally that might be relevant to you, specify what sorts of studies you might be interested in and be sent information in the way you choose, but taking part is still completely voluntary.

Find out more on Research for the Future's [website](#), [Facebook page](#) or [Twitter feed](#).

[Top](#)

Funding



Clinical Academic Research Partnerships

A new Medical Research Council and National Institute for Health Research scheme provides a flexible route for research-qualified NHS consultants to increase their research skills and experience by engaging with groups and centres of biomedical research excellence, enabling the cross-seeding of perspectives, ideas and connections needed to underpin future translational biomedical research.

The pilot scheme is targeted at addressing known barriers within medical and dental careers. The deadline is 18 June. More [here](#).

Research into diverticular disease and diverticulitis

Diverticular disease is common but a relatively neglected area of research. This joint call from Guts UK and Bowel & Cancer Research, under the umbrella of the Diverticular Research Campaign, is seeking proposals of up to £75,000 over three years to support a PhD student research project into diverticular disease. Support will be given to:

- New ideas in diagnostics, therapeutics or devices
- Experimental medicine
- Pilot studies; outcomes research

Application forms can be downloaded [here](#) and should be returned by 5pm on 17 May. For

queries relating to this call contact [Deborah Gilbert](#) or call 020 7882 8749.

NIHR Doctoral Fellowships

NIHR Doctoral Fellowships are currently open for application. This is a three year full-time award that supports individuals to undertake a PhD in an area of NIHR research. This Fellowship may also be taken up on a part-time basis of between 50 per cent and 100 per cent whole time equivalent.

Clinical applicants are able to include up to 20 per cent clinical time as part of the Fellowship, to ensure the maintenance of their clinical competence while undertaking the Fellowship.

Applications close on 18 June - [more here](#).

NIHR Advanced Fellowships

The Advanced Fellowship is for those at a post-doctoral level and aimed at several specific points of a researcher's career development.

The fellowship is between two and five years and can be completed on a full-time or part-time basis.

Advanced Fellowships will be available with a clinical academic option whereby clinical applicants will have the option to request up to 40 per cent of their time be dedicated to clinical service/development which would be covered by the Fellowship.

Applications close on 4 June - [more here](#).

MRC Confidence in Concept 2019 funding call

The University of Manchester has secured funding from the seventh round of the MRC Confidence in Concept (CiC) scheme. The funds are intended to accelerate the transition from discovery research to translational development by supporting preliminary work or feasibility studies to establish the viability of an approach. Awards are typically in the region of £50K-£75K.

Applicants must either have a contract of employment with UoM or submit with a co-PI who has, and expressions of interest should be sent to SFT@manchester.ac.uk by 10am on 3 May. For more information contact [Anu Suokas](#).

NIHR calls

Current NIHR opportunities include:

- [Scanning confocal ophthalmoscopy for diabetic eye screening](#) - closes 31 July
- [Data-enabled trials, health services and public health research studies \(cross programme call\)](#) - closes 4 September
- [Rivastigmine for psychotic symptoms associated with Parkinson's disease](#) - closes 18 September
- [Frequency of blood tests for inflammatory conditions](#) - closes 25 September

Details of all NIHR-funded awards and researchers can now be found together at www.fundingawards.nihr.ac.uk. This website provides information about NIHR funding awards for research, career development, infrastructure and global health projects. Visit the site for application abstracts, plain English summaries, funding values and links to published articles.

Support from University

Staff who also have contracts with The University of Manchester could be eligible for three researcher development funding schemes:

- A new **International Conference Attendance Fund** will provide awards of up to £500 for conference fees, accommodation and travel to help researchers to attend to develop presentation and communication skills, have their research peer reviewed, and establish networks for potential future collaborations.
- The cross-Faculty **Training, Visits, Workshops and Discipline-Hopping** scheme (funded by the Wellcome Institutional Strategic Support Fund) provides awards of up to £2500 to help researchers to develop skills in a different discipline and to acquire new techniques and technologies as part of a wider collaboration.
- A new **Research Collaboration scheme** will support researchers through awards of up to £5,000 to establish a collaborative research project with a cross disciplinary partner, leading to external funding bids.

[More here](#) and contact [Sarah Barton](#) with any inquiries.

[Top](#)

Training



GCP dates for 2019

The dates for Good Clinical Practice (GCP) and GCP refresher courses for 2019 are now available on [our website](#). If your certification is due to expire, please use [this link](#) to confirm

your place.

Digital epidemiology summer school

The Manchester Digital Epidemiology Summer School takes place from 17-19 July and will support participants to capture and use digital health data to support high-quality epidemiological research.

The programme covers opportunities, challenges and methods across a variety of data types: from data in electronic health records to data collected through smartphones and wearable devices. An internationally renowned and multidisciplinary faculty will deliver interactive seminars on cutting-edge methods for collecting and analysing digital data in the context of epidemiological studies. [More here.](#)

Nottingham Systematic Review course

The Nottingham Systematic Review Course is aimed at those who want to develop and undertake a Cochrane-style systematic review of interventions. No previous knowledge of systematic reviewing is required.

It's a hands-on course with a high focus on practical and computer-based learning delivered through demonstrations, guided practical exercises and facilitated tutorials using Review Manager (RevMan) and Endnote software. It runs from 18-21 June - [more here.](#)

Clinical trials coordination

This is a new two-day course aimed at Band 5 staff working in research coordination. It will focus on the logistics of conducting health research within the NHS, including study set-up, operation and closedown, HRA approval, grant applications and finance.

It runs from 5-6 June at the Nowgen Centre, Manchester, and costs £300. For more information contact Research.Training@mft.nhs.uk.

[Top](#)

Events



[Royal College of Physicians Medicine 2019.](#) Salford Royal renal consultant Professor Donal O'Donoghue and consultant neurologist Dr Matt Jones are among the speakers at this conference to explore the latest cutting-edge developments in healthcare to improve patient

care. It's on 25 and 26 April at Manchester Central.

[NCA Diagnostics and Pharmacy Innovation Network](#). Join the Diagnostics & Pharmacy Senior Management Team, Clinical Leads, Transformation Team and sponsors to find out how our transformation programme will shape our future delivery models. It's on 22 May, 9am-noon, at Salford Royal.

[NIHR Greater Manchester PSTRC Symposium](#). This event for anyone with an interest in patient safety in healthcare will cover artificial intelligence, transitions in healthcare, avoidable harm and the devolved health and social care system in Greater Manchester. It's on 22 May at Crowne Plaza, Manchester.

[Phase 1: Where science becomes medicine](#). The Manchester Cancer Research Centre and the Experimental Cancer Medicine Centres network will host this three-day conference in Manchester city centre from 14-16 July. Keynote speakers include Lillian Siu (Princess Margaret Hospital, Toronto) and Skip Burris (Sarah Cannon Research Institute, Nashville).

[International Congress on Radiation Research](#). This 16th international conference will facilitate the development of multidisciplinary collaboration and interaction. It runs from 25-29 August at Manchester Central.

[Top](#)

Vacancies



- [Clinical Research Fellow - neurology](#), based Salford (closes 19 April)
- [Senior Research Nurse - neurology](#), based Salford (closes 24 April)
- [Senior Clinical Research Nurse](#), based Salford (closes 28 April)
- [Senior Clinical Research Fellow - urology](#), based Salford (closes 30 April)
- [Senior Clinical Fellow - emergency medicine](#), based Salford (closes 30 April)
- [Consultant Physician - diabetes and endocrinology](#), based North Manchester (closes 2 May)

Please visit the [NHS Jobs](#) website for all internal or external vacancies.

[Top](#)

Publications



- Amit Herwadkar: [Double inversion recovery in detection of perilesional gliosis in calcific cysticercosis](#) (Neurology India).
- Paul Harmatz, Christina Lampe, Rossella Parini, Reena Sharma, Elisa Teles, Julie Johnson, Debbie Sivam, Zlatko Sisic: [Enzyme replacement therapy outcomes across the disease spectrum: Findings from the mucopolysaccharidosis VI Clinical Surveillance Program](#) (Journal of Inherited Metabolic Disease).
- Maria Michaelidou, Susan Whitten, Priti Bajaj, Alastair Knight, Helen Spoudeas: [Improved adherence and growth outcomes with jet-delivered growth hormone](#) (Journal

- of Pediatric Endocrinology and Metabolism).
- Christos Tziotzios, Christos Petridis, Nick Dand, Chrysanthi Ainali, Jake Saklatvala, Venu Pullabhatla, Alexandros Onoufriadis, Matthew Harries, Michael Simpson, John McGrath, et al: [Genome-wide association study in frontal fibrosing alopecia identifies four susceptibility loci including HLA-B*07:02](#) (Nature Communications).
 - David Rutkowski, Hector Chinoy, Richard Warren: [The potential benefits of Certolizumab Pegol in patients with concurrent psoriatic arthritis and chronic plaque psoriasis: A case series and review of the literature](#) (Dermatology and Therapy).
 - Adam Swift, Ming Wilson: [Reversal of the effects of clonidine using naloxone](#) (Anaesthesia Reports).
 - Jimmy Limdi, Jennifer Farraye, Rachel Cannon, Elizabeth Woodhams, Francis Farraye: [Contraception, venous thromboembolism, and inflammatory bowel disease: What clinicians \(and patients\) should know](#) (Inflammatory Bowel Diseases).
 - Katherine Dodd, Rachael Power, John Ealing, Hisham Hamdalla: [FUS-ALS presenting with myoclonic jerks in a 17-year-old man](#) (Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration).
 - Sumita Basak, David Buckley, Constantina Chrysochou, Anita Banerji, Diana Vassallo, Aghogho Odudu, Philip Kalra, Steven Sourbron: [Analytical validation of single-kidney glomerular filtration rate and split renal function as measured with magnetic resonance renography](#) (Magnetic Resonance Imaging).
 - Cedric Ho Tiu, Leila Asfour, Matyas Jakab, Helena Tomlin, Christopher Griffiths, Helen Young: [An art-based visual literacy training course to enhance clinical skills in dermatology trainees](#) (Journal of the European Academy of Dermatology and Venereology).
 - Peter Yeates, Natalie Cope, Ashley Hawarden, Hannah Bradshaw, Gareth McCray, Matt Homer: [Developing a video-based method to compare and adjust examiner effects in fully nested OSCEs](#) (Medical Education).
 - Olivier Vandenas , Julien Godet, Laura Hurdubaea, Catherine Riffart, Hille Suojalehto, Marta Wiszniewska, Jennifer Hoyle, David Sherson, Frédéric de Bla, et al: [Are high and low molecular weight sensitizing agents associated with different clinical phenotypes of occupational asthma](#) (Allergy).
 - Henry Magill, Shahab Hajibandeh, James Bennett, Nathan Campbell, Jaysheel Mehta: [Open reduction and internal fixation versus primary arthrodesis for the treatment of acute Lisfranc injuries: A systematic review and meta-analysis](#) (Journal of Foot & Ankle Surgery).
 - Shahab Hajibandeh, Petya Popova, Sheik Rehman: [Extended postoperative antibiotics versus no postoperative antibiotics in patients undergoing emergency cholecystectomy for acute calculous cholecystitis](#) (Surgical Innovation).
 - Meghavi Mashar, Ruchir Mashar, Shahab Hajibandeh: [Uncovered versus covered stent in management of large bowel obstruction due to colorectal malignancy](#) (International Journal of Colorectal Disease).
 - Ayodele Sasegbon, Masahiro Watanabe, Andre Simons, Emilia Michou, Dipesh Vasant, Jin Magara, Philip Bath, John Rothwell, Makoto Inoue, Shaheem Hamdy: [Cerebellar rTMS restores pharyngeal brain activity and swallowing behaviour after disruption by a cortical virtual lesion](#) (Journal of Physiology).

- Kristina Semkova, Richard Carr, Mark Grainger, Ruth Green, Abdul Hafejee, Areti Makrygeorgou, Lucy Melly, Luisa Motta, John Newsham, Caroline Owen, Joanne Sillars, saleem Taibjee, Eduardo Calonje: [Poikilodermatous plaque-like hemangioma: Case series of a newly defined entity](#) (Journal of the American Academy of Dermatology).
- Adam Daunton, Femi Oyeboade, Jonathan Goulding: [Depression and the dermatologist: A critical analysis of contemporary isotretinoin prescribing practices](#) (Clinical and Experimental Dermatology).
- Karolina Stepien, Tarekegn Geberhiwot, Christian Hendriksz, Eileen Treacy: [Challenges in diagnosing and managing adult patients with urea cycle disorders](#) (Journal of Inherited Metabolic Disease).
- Shahin Hajibandeh, Shahab Hajibandeh, Ahmad Navid, Diwakar Sarma, Mokhtar Eltair, Rajnish Mankotia, Christopher Thompson, Andrew Torrance, Rajeev Peravali: [Meta-analysis of medial-to-lateral versus lateral-to-medial colorectal mobilisation during laparoscopic colorectal surgery](#) (International Journal of Colorectal Disease).
- Silviu Sabou, Apostolos Lagaras, Rajat Verma, Irfan Siddique, Saeed Mohammad: [Comparative study of multilevel posterior interbody fusion plus anterior longitudinal ligament release versus classic multilevel posterior interbody fusion in the treatment of adult spinal deformities](#) (Journal of Neurosurgery).
- Eleesia Kilgallon, Dipesh Vasant, Darren Green, Philip Shields, Shaheen Hamdy, Simon Lal, Peter Paine: [Chronic continuous abdominal pain: Evaluation of diagnostic features, iatrogenesis and drug treatments in a cohort of 103 patients](#) (Alimentary Pharmacology and Therapeutics).
- Sergio Vano-Galvin, David Saceda-Corrado, Ulrike Blume-Peytavi, Jose Cucchia, Ncoza Dlova, Matthew Harries, Maria Miteva, et al: [Frequency of the types of alopecia at 22 specialist hair clinics: A multicentre study](#) (Skin Appendage Disorders).
- Andrei Velcescu, Alexander Lindley, Ciro Cursio, Sammy Krachunov, Christopher Beach, Christopher Brown, Anthony Jones, Alexander Casson: [Flexible 3D-printed EEG electrodes](#) (Sensors).
- Nasimah Maricar, Matthew Parkes, Michael Callaghan, David Felson, Terence O'Neill: [Do clinical correlates of knee osteoarthritis predict outcome to intra-articular steroid injections?](#) (Journal of Rheumatology).
- Nagaraj Malipatil, Ghasem Yadegarfar, Mark Lunt, Brian Keevil, Kirk Siddals, Mark Livingston, Siriol Roberts, Prakash Narayanan, Martin Rutter, Martin Gibson, Rachelle Donn, Geoff Hackett, Hugh Jones, Adrian Heald: Male hypogonadism: [14-year prospective outcome in 550 men with type 2 diabetes](#) (Endocrinology, Diabetes and Metabolism).
- Anna Beukenhorst, Matthew Parkes, Louise Cook, Rebecca Barnard, Sabine van der Veer, Max Little, Kelly Howells, Caroline Sanders, Jamie Sergeant, Terence O'Neill, John McBeth, William Dixon: [Collecting symptoms and sensor data with consumer smartwatches \(the Knee OsteoArthritis, Linking Activity and Pain Study\): Protocol for a longitudinal, observational feasibility study](#) (JMIR Research Protocols).
- Tamas Revesz, David Mann, Tammarny Lashley: [Frontotemporal lobar degenerations: from basic science to clinical manifestations](#) (Neuropathology and Applied Neurobiology).

- Matthew Parry, Arunan Sujenthiran, Thomas Cowling, Susan Charman, Julie Nossiter, Ajay Aggarwal, Noel Clarke, Heather Payne, Jan van der Meulen: [Imputation of missing prostate cancer stage in English cancer registry data based on clinical assumptions](#) (Cancer Epidemiology).
- Kenichi Ode: [Intravenous anaesthetic agents](#) (Anaesthesia and Intensive Care Medicine).
- Varduhi Cahill, Benjamin Sinclair, Charles Malpas, Anne McIntosh, Zhibin Chen, Lucy Vivash, Marie O'Shea, Terence O'Brien, et al: [Metabolic patterns and seizure outcomes following anterior temporal lobectomy](#) (Annals of Neurology).
- Roisin Borrill, Edmund Cheesman, Stavros Stivaros, Ian Kamaly-Asl, Kanna Gnanalingham, John-Paul Kilday: [Papillary craniopharyngioma in a 4-year-old girl with BRAF V600E mutation: a case report and review of the literature](#) (Child's Nervous System).
- Alexander Oldroyd, Hector Chinoy: [Recent developments in classification criteria and diagnosis guidelines for idiopathic inflammatory myopathies](#) (Current Opinion in Rheumatology).
- Sarah Hibbert, Rachel Watson, Christopher Griffiths, Neil Gibbs, Michael Sherratt: [Selective proteolysis by matrix metalloproteinases of photo-oxidised dermal extracellular matrix proteins](#) (Cellular Signalling).
- David Baker, Helen Caswell, Fiona Eccles: [Self-compassion and depression, anxiety, and resilience in adults with epilepsy](#) (Epilepsy and Behavior).
- Eoghan McGrenaghan, Ming Wilson: [Total intravenous anaesthesia](#) (Anaesthesia and Intensive Care Medicine).
- Lynne Sykes, Philip Kalra, Darren Green: [Comparison of impact on death and critical care admission of acute kidney injury between common medical and surgical diagnoses](#) (PLOS One).

Journal articles are available through the [Library Service](#), details and links to e-journals are available through the [online library catalogue](#).

[Top](#)

How to submit an article

The Research and Innovation bulletin is published on the third Wednesday of each month.

Please submit articles to [Claire Mooney](#) by noon on the preceding Monday.

An archive of previous editions is available online at www.NCAresearch.org.uk

Research and Innovation is part of the [Northern Care Alliance NHS Group](#), comprising [Salford Royal NHS Foundation Trust](#) and [The Pennine Acute Hospitals NHS Trust](#).



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An update on research for staff at the Northern Care Alliance NHS Group

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Salford Royal NHS Foundation Trust
Research & Innovation
Salford, Lancashire M6 8HD
United Kingdom

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