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Research & Innovation Bulletin

NHS
Northern Care Alliance
NHS Group

Research news from the Northern Care Alliance

20 March 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.



Three research units shortlisted for international prize

All three of the Northern Care Alliance's Clinical Research Facilities have been shortlisted for one of research's most prestigious international prizes.

The units at Fairfield General, the Royal Oldham and Salford Royal are finalists in the Clinical Site of the Year category of the Pharma Times International Clinical Researcher of the Year competition. It is an extraordinary achievement as only five research sites have reached the shortlist.

Research managers and nursing staff will take part in a finals day tomorrow (Thursday), where they will compete head-to-head in a challenge that will assess their planning and strategic abilities, alongside their communications and presenting skills. The winners of each category will be announced in May.

The Pennine Acute Hospitals NHS Trust previously won the NHS Clinical Research Site in the

Pharma Times awards in 2016. The other two finalists this year are University Hospital Coventry & Warwickshire and University College London Hospitals. [Read more.](#)

News



Team scores UK first (and second!)

Well done to Senior Research Nurses Julie Melville, Denise McSorland and Pat Jacob and to Principal Investigator Dr Jimmy Limdi, who have randomised the first UK patient to Lucent 1, an ulcerative colitis study. This phase 3 trial is evaluating the safety and efficacy of Mirikizumab in people with moderately to severely active ulcerative colitis who haven't been helped by conventional or biologic therapy. Dr Limdi is Chief Investigator in the UK for the study, which aims to recruit 1,160 patients worldwide. The Fairfield General team also randomised the second UK patient to the same study this month.



Kenny wins prestigious US fellowship

Neurosurgeon Kenny Yu has become the first ever UK clinician to be given a prestigious research and clinical fellowship at the world famous cancer hospital, Memorial Sloan Kettering in New York. Kenny, a neurosurgery registrar at Salford Royal and an NIHR academic clinical lecturer at The University of Manchester, has been accepted onto a two-year fellowship programme, beginning in August.

He will be working with some of the top scientists and neurosurgeons in the field and will particularly focus on immunotherapy in brain cancers. This is a way of altering the immune system to recognise cancer cells as foreign so they can be targeted by medication. [Read more.](#)



Parkinson's research on BBC Breakfast

Well done to Dr Monty Silverdale, Consultant Neurologist at Salford Royal, who appeared on BBC Breakfast this morning talking about Parkinson's disease research.

He joined former nurse and 'super-smeller' Joy Milne to discuss

how she is helping to develop a swab test for Parkinson's disease. He explained how earlier diagnosis will make a massive difference to our understanding and treatment of the disease. You can watch it again on [iplayer](#) (watching from 1 hour, 39 minutes) or read the [BBC](#) and [Guardian](#) reports.



Clinical excellence recognised

Three Salford Royal clinician scientists have received national Clinical Excellence Awards.

Professors Ariane Herrick (Consultant Rheumatologist), Paul Dark (Intensive Care Medicine Consultant) and Richard Warren (Consultant Dermatologist) were recognised for their clinical excellence and achievements in the areas of developing and delivering high quality services, leadership, research, innovation and teaching and training. Cancer Consultant Professor Noel Clarke has had his platinum award renewed.

Independent advisory body, the ACCEA, leads this highly competitive awards scheme, which only gives out 300 awards a year. [Read more](#)



Lesley contributes to UN climate work

Professor Lesley Rhodes has contributed her world-leading photodermatoses expertise to the United Nation's latest environmental assessment report.

Professor Rhodes, the only clinical photobiologist working with the UN's Environmental Effects Assessment Panel, co-authored a chapter in the 2018 report which looks at human health in relation to exposure to solar ultraviolet radiation. She is a Consultant Dermatologist at Salford Royal, Professor of Experimental Dermatology at The University of Manchester and a senior Manchester BRC researcher.

This report will be used to update the Montreal Protocol, an international treaty designed to protect the ozone layer by phasing out the production of substances responsible for ozone depletion. [Read more.](#)



New role with MSA Trust

Dr Christopher Kobylecki, Consultant Neurologist at Manchester Centre for Clinical Neurosciences, has been appointed Chair of the Scientific Advisory Panel for the Multiple System Atrophy Trust, responsible for reviewing grant funding and other scientific topics related to MSA.

Dr Kobylecki runs the regional service for people with atypical parkinsonism, including MSA, a rapidly progressive and disabling condition for which there is no cure.

The MCCN, based at Salford Royal, runs an active programme of research in MSA, including previous imaging studies funded by the MSA Trust. In addition, people with MSA at MCCN are taking part in national studies to track progression of the condition, as well as local research looking at changes in small nerve fibres on imaging of the eye.



BSR course a success again

Salford Royal's rheumatology research team were delighted to host [British Society for Rheumatology](#) delegates at the Nailfold Capillaroscopy course recently. It's the third time the site has hosted this course and it was a full house with places quickly booked up, testament to the excellent reputation of this course and its speakers, who also included Dr Kevin Howell from the Royal Free Hospital, London, Dr John Allen from Newcastle and Dr Marina Anderson from Liverpool University.



Brain injury expert visits

World-renowned brain injury expert Professor Daniel Hanley visited Salford Royal earlier this month to catch up with colleagues who contributed to an important research study looking to define a new treatment for intracerebral haemorrhage. He spoke to staff working in stroke, neurology, neurosurgery and research about the findings of MISTIE III, which have now been reported in The Lancet. Salford Royal was one of the top five recruiting sites to the study, which involved 78 hospitals worldwide. Hiren Patel was

Principal Investigator for the study here, working closely with Stroke Consultant Adrian Parry-Jones, Neurosurgeon Daniel Holsgrove and the Acute Research Delivery Team.



Running to help stroke patients

Good luck to the acute research delivery team at Salford Royal, who are taking part in the Stroke Association's [Resolution Run](#) at Heaton Park on 7 April. Team leader Louise Harrison is a stroke survivor as well as having worked in stroke research for several years and she and her colleagues experience first hand every day the devastating impact that stroke can have on a person and their family.

Louise, Diane Lomas and Mel Slaughter are taking part in the 5k event, with Kathryn Cawley taking on the 10k challenge. They are raising funds for the Stroke Association to help them fund more vital research into the prevention, causes, treatment and aftercare for stroke patients. Their sponsorship page is [here](#).



Podcast focuses on applied research

CLAHRC Greater Manchester has launched its own podcast series. It's a regular audio discussion about the projects, concepts and ideas that are at the heart of its work in applied health research.

Each episode focuses on one particular project or area of work with the academic and programme leads talking about the origin of the project, the challenges it faced, and the legacy it will leave. The latest episode about seven-day access is available on [Soundcloud](#) and [iTunes](#).



Meet the team - Grainne O'Connor

Grainne O'Connor is the Team Leader for Division 3 clinical research at the Northern Care Alliance. She has 28 years' nursing experience, including Paediatric Nephrology, Paediatric Urology and Paediatric Critical Care and has been facilitating and delivering clinical research at NCA since 2012.

Grainne is tremendously proud of the team's continued efforts and achievements in successfully delivering a wide variety of NIHR portfolio studies and working to improve treatment and care for children and families. This year they are in the top 5% in England for recruitment, a huge achievement for paediatric/neonatal and maternal health research.

The Division 3 research team deliver paediatric, neonatal, obstetric and gynaecological research at Rochdale, Bury, North Manchester and Oldham. They work closely with clinical staff and collaboration with the many enthusiastic nurses, doctors and healthcare professionals has contributed to their success.

Within obstetrics and gynaecology research, topics investigated include preeclampsia, preterm labour, smoking in pregnancy, women with overactive bladder symptoms, heavy menstrual bleeding and vomiting during early pregnancy.

Areas researched within neonates and children include conditions relating to preterm birth, burn injuries in children, infectious diseases in children, nephrotic syndrome, Kawasaki disease, childhood chronic immune thrombocytopenia, childhood asthma and type 1 diabetes.

Outside of work, Grainne enjoys spending quality family time with her husband, two daughters and her furry felines.



Get help with your ideas to improve care

Are you interested in innovation at the Northern Care Alliance? Do you have any ideas that could improve the way the care and services are delivered at the Trust?

Get involved with [Innovation Factor®](#), an online platform where you can submit your ideas and receive bespoke support and guidance from TRUSTECH, the NHS Innovation Experts, in partnership with the Northern Care Alliance. Click [here](#) to learn more.



Student seeks help with nursing survey

Are you a qualified nurse or nurse in training at Salford Royal? Can you spare 15 minutes to take part in a one-off online survey for a thesis project?

The aim of this research is to better understand nurses' relationships with others, emotions, compassion and views about service-users. As a thank you for your time, you will have the chance to win one of four £50 Amazon vouchers.

If you would like more information, or to take part, please click on [this link](#).

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Research stars of the month



Bury & Rochdale

Rochdale Infirmary outpatients department's helpful and welcoming staff have made a big difference to the success of the qFIT trial, which has recruited well above its target. They've worked closely with research staff on the study into a novel test to rule out bowel cancer, making taking part a simple process for patients. They've been flexible and friendly with the research team, building a fantastic relationship to improve patient care.



North Manchester

The pre-operative team at North Manchester are always busy but go out of their way to lend a hand whenever research is taking place in their department. Space is at a premium in pre-op so they work flexibly to accommodate studies. Both the cancer research team and the infectious diseases research team say pre-op are a fantastic bunch to work with, always positive about research and happy to help.



Oldham

Senior Pharmacy Technician Jemma McLaughlin consistently goes above and beyond to help research staff complete research studies and works collaboratively with the whole team. This is particularly evident during dispensing visits - she comes in especially early which means patients are not waiting for their medication for too long and can dose earlier in the morning, thereby reducing stress, anxiety and disease exacerbation. She always ensures that things are done to the best quality and is helpful from study initiation to completion.



Salford

Rob Oliver's leadership and dedication to both the sponsorship support and compliance team and the staff within the Biomedical Facility Laboratories is outstanding. Colleagues say his expert knowledge coupled with his approachable and supportive attitude made the recent Human Tissue Authority inspection extremely successful. Rob is passionate about ensuring the safety of research samples, both in respect to the participants who have donated the samples but also to the wealth of research that can be conducted from them.

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

Congratulations

- Congratulations to Pratima Khincha, Orthopaedics Doctor at the Pennine Acute Hospitals Trust, who has co-authored a chapter on [infection of the shoulder joint](#) in the new [Textbook of Shoulder Surgery](#), published by Springer.
- Well done to Dr Zenas Yiu, NIHR Clinical Lecturer in Dermatology at Salford Royal, who was chosen to give the Royal College of Physicians' regional Turner-Warwick Lecture in Liverpool last week. He spoke about his work evaluating the risk of serious infections associated with biologic therapies for psoriasis in the lecture, which is named after the RCP's first female president, Dame Margaret Turner-Warwick.
- Congratulations to Neuroanaesthetist Craig Carroll and Neurosurgeon Daniel Holsgrove, both from Salford Royal, who have contributed a chapter on subarachnoid haemorrhage in the post-partum patient to a new textbook, [Obstetric Decision-Making and Simulation](#), published by Cambridge University Press.

Governance



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.](#)

Directive on commercial contract research

The introduction of a National Directive on Commercial Contract Research, jointly developed by NHS England, the Health Research Authority and NIHR, enables a study-based approach to the costing and contracting elements for speeding up set-up times for commercial contract research. New information has been released outlining what this means for the life sciences sector.

[Read more](#)

Local information packs

A UK Local Information Pack is being introduced in the summer of 2019.

Researchers working with NHS organisations will benefit from a consistent package to support study set-up and delivery across the UK. The current Statement of Activities used in England and Wales and the Site Specific Information form, used in Northern Ireland and Scotland, will

be replaced by an Organisation Information Document.

Regular communications and updates will be available [here](#).

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Engagement



Sharing our success story

Local residents will hear more about our research across the Alliance and some of our success stories at a talk at Fairfield General Hospital on 21 May.

Director of R&I Operations Professor Steve Woby has been invited to speak to members of the Trust as part of the popular [Medicine for Members](#) series, which keeps residents informed about our services.

Dr Jimmy Limdi and R&I Nurse and Delivery Lead Vikki O'Loughlin will also speak at the event, which runs from 2-3pm at the Education Centre.

Please tell any of your patients who might be interested about this.

Do you live with a heart condition?

Do you live with a heart condition or know someone who does? You can find out about research going on locally that might be relevant to you by registering your details with Research for the Future.

This is an NHS programme, hosted by the Northern Care Alliance, linking researchers and potential volunteers. You can say 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](#).

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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 second round call opens on 2 April, with a submission deadline on 18 June. More [here](#).

Access to Expertise

The Wellcome Trust has awarded the University of Manchester an Institutional Translational Partnership award. This will fund Access to Expertise grants (£125,000 per year) to enable researchers to access appropriate expertise to help unblock specific bottlenecks associated with translational research. Projects of six-12 month duration will be awarded up to £25,000. The deadline for applications is 29 March. See the resource section of the [Translation Manchester website](#) for more details or contact [Laura Ajram](#).

Integrated Clinical Academic Programme

The Health Education England and National Institute for Health Research Integrated Clinical Academic (ICA) Programme provides personal research training awards for healthcare professionals (excluding doctors and dentists) who wish to develop careers that combine clinical research and research leadership with continued clinical practice and clinical development.

Five levels of award are available, each requiring the support of clinical and academic host organisations:

- [Internships](#)
- [Pre-doctoral Clinical Academic Fellowship](#) - currently open for applications
- [Clinical Doctoral Research Fellowship](#) - currently open for applications
- [Clinical Lectureship](#) - currently open for applications
- [Senior Clinical Lectureship](#) - currently open for applications

Doctoral and Post-Doctoral award holders are also eligible for ICA Programme-funded mentorship support through the [ICA Mentorship scheme](#).

NIHR calls

Current NIHR opportunities include:

- [Programme Grants for Applied Research](#) (closing date 3 April).

- [Global maternal and neonatal health 2019](#) - joint NIHR and MRC grant (closing date 24 April).
- [Health Technology Assessment Programme](#) - Anti-TB drug hepatotoxicity and treatment reintroduction (closing date 29 May).
- Public Health Research Programme - including [improving health and wellbeing for people who are at risk of or exposed to adverse childhood experiences](#) and [interventions that reduce harmful substance use with a focus on novel psychoactive substances](#) (closing date 30 July).

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.

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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.

Information governance and health data

Connected Health Cities is running this [one day workshop](#) on how information governance relates to each part of the process of using health data for research or to improve a care pathway. This will cover the process from the early stages of understanding the data landscape, designing a study, getting people involved and gaining access to the data. It's on 29 March at University Place, Manchester.

Future of surgical research in the North West

This free afternoon workshop in Warrington on 28 March is aimed at surgical trainees and consultants interested in progressing their surgical research career. Speakers include Professors Matt Costa, Tim Board, Carlo Palmieri and Niels Peek. You can book [here](#) or email nwstc@liverpool.ac.uk for more details.

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.

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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.

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Vacancies



- [Senior Clinical Research Nurse \(rheumatology\)](#), based Salford (closes 22 March)
- [Urology Senior Clinical Fellow](#), based Salford (closes 26 March)
- [Neurosurgery Research Fellow](#), based Salford (closes 29 March)
- [Senior Research Nurse \(neurology\)](#), based Salford (closes 10 April)
- [R&I Sponsorship Support & Compliance Administrator](#), based Salford (closes 12 April)
- [Urology Senior Clinical Research Fellow](#), based Salford (closes 30 April)

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

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Publications



- Christopher Price, Lisa Shaw, Peter Dodd, Catherine Exley, Darren Flynn, Richard Francis, Pippa Tyrrell, Luke Vale, Alan Watkins, Gary Ford, et al: [Paramedic Acute Stroke Treatment Assessment \(PASTA\): Study protocol for a randomised controlled trial](#) (BMC Trials).
- Ashley Bond, Paul Chadwick, Trevor Smith, Jeremy Nightingale, Simon Lal: [Diagnosis and management of catheter-related bloodstream infections in patients on home parenteral nutrition](#) (Frontline Gastroenterology).
- Antony Thomas, Joanna Balmforth: [Patient safety incidents describing patient falls in critical care in North West England between 2009 and 2017](#) (Journal of Patient Safety).
- Thomas Perry, Matthew Parkes, Richard Hodgson, David Felson, Terence O'Neill, Nigel Arden: [Effect of vitamin D supplementation on synovial tissue volume and subchondral bone marrow lesion volume in symptomatic knee osteoarthritis](#) (BMC Musculoskeletal

- Disorders).
- Thomas Perry, Andrew Gait, Terence O'Neill, Matthew Parkes, Richard Hodgson, Michael Callaghan, Nigel Arden, David Felson, Timothy Cootes: [Measurement of synovial tissue volume in knee osteoarthritis using a semiautomated MRI-based quantitative approach](#) (Magnetic Resonance In Medicine).
 - Aisling Kelly, Graham Dinsdale, Joanne Manning, Ariane Herrick: [Do thermographic parameters help to classify patients with early systemic sclerosis](#) (Rheumatology).
 - Constantinos Kritiotis, Marios Tryfonidis, Anuj Mishra, Haseem Raja: [Upper limb spasticity surgery in adults: What we learned in 5 years of practising it](#) (Journal of Musculoskeletal Surgery and Research).
 - Paryaneh Rostami, Abigail Harrison, Gareth Parry, Darren Ashcroft, Mary Tully: [A qualitative study exploring how routinely collected Medication Safety Thermometer data have been used for quality improvement purposes using case studies from three UK hospitals](#) (BMJ Open).
 - Conor O'Boyle, Michael Haley, Eloise Lemarchand, Craig Smith, Stuart Allan, Joanne Konkell, Catherine Lawrence: [Ligature-induced periodontitis induces systemic inflammation but does not alter acute outcome after stroke in mice](#) (International Journal of Stroke).
 - Kate Duffus, Elena Lopez-isac, Maria Teruel, Carmen Simeon, Patricia Carreria, Norberto Ortego-Centeno, Esther Vicente, Jane Worthington, Ariane Herrick, Javier Martin: [Association of TNFSF4 \(OX4oL\) polymorphisms with systemic sclerosis-related calcinosis](#) (Rheumatology).
 - Matthew Lee, Adele Sayers, Paul Marriott, Iain Anderson, Simon Bach, Mike Bradburn, Danny Hind, Azmina Verjee, Nicola Fearnhead, on behalf of NASBO steering group and collaborators: [National prospective cohort study of the burden of acute small bowel obstruction](#) (BJS Open).
 - Matthew Evison, Kevin Blyth, Rahul Bhatnagar, John Corcoran, Tarek Saba, Tracy Duncan, Rob Halifax, Liju Ahmed, Najib Rahman, et al: [Providing safe and effective pleural medicine services in the UK: An aspirational statement from UK pleural physicians](#) (BMJ Open Respiratory Research).
 - James Akman, Emmanuel Katsogridakis, George Antoniou: [Ruptured popliteal artery aneurysms](#) (Vascular).
 - Naomi Fulop, Angus Ramsay, Rachael Hunter, Christopher McKeivitt, Catherine Perry, Simon Turner, Ruth Boaden, Iliatha Papachristou, Anthony Rudd, Pippa Tyrell, Charles Wolfe, Stephen Morris: [Evaluation of reconfigurations of acute stroke services in different regions of England and lessons for implementation: A mixed-methods study](#) (Health Services and Delivery Research).
 - Christine Smith, Mingxu Sun, Laurence Kenney, David Howard, Helen Luckie, Karen Waring, Paul Taylor, Earl Merson, Stacey Finn, Sarah Cotterill: [A three-site clinical investigation and feasibility study of a flexible functional electrical stimulation system to support functional task practice for upper limb recovery in people with stroke](#) (Frontiers in Neurology).
 - Meghna Jani, Anne Barton, Kimme Hyrich: [Prediction of infection risk in rheumatoid arthritis patients treated with biologics – are we any closer to risk stratification?](#) (Current Opinion in Rheumatology).
 - Amy Foulkes, David Watson, Daniel Carr, John Kenny, Timothy Slidel, Richard Parslew, Munir Pirmohamed, Simon Anders, Nick Reynolds, Christopher Griffiths,

- Richard Warren, Michael Barnes: [A framework for multi-omic prediction of treatment response to biologic therapy for psoriasis](#) (Journal of Investigative Dermatology).
- Joyutpal Das, Hector Chinoy, Jeremy Dick, Rachael Matthews, Mark Roberts: [A literature review of eosinophilic fasciitis with an illustrative case](#) (Current Rheumatology Reviews).
 - David Gonzalez-Serna, Elio Carmona, Norberto Ortego-Centeno, Carmen Simeon, Roser Solans, Jose Hernandez-Rodriguez, Ariane Herrick, Ann Morgan, Christopher Denton, Ana Marquez, et al: [A TNFSF13B functional variant is not involved in systemic sclerosis and giant cell arteritis susceptibility](#) (Plos One).
 - Elaine Cameron, David Rog, Gavin McDonnell, James Overell, Owen Pearson, David French: [Factors influencing multiple sclerosis disease-modifying treatment prescribing decisions in the United Kingdom: A qualitative interview study](#) (Multiple Sclerosis and Related Disorders).
 - Kyriaki Paroutoglou, Adrian Parry-Jones: [Hyperacute management of intracerebral haemorrhage](#) (Clinical Medicine).
 - Loris Pironi, Olivier Corcos, Alastair Forbes, Mette Holst, Francisca Joly, Cora Jonkers, Simon Lal, Jon Shaffer, Dileep Lobo, ESPEN Acute and Chronic Intestinal Failure Special Interest Groups, et al: [Intestinal failure in adults: Recommendations from the ESPEN expert groups](#) (Clinical Nutrition).
 - Kirsty Martin-McGill, Cerian Jackson, Rebecca Bresnahan, Robert Levy, Paul Cooper: [Ketogenic diets for drug-resistant epilepsy](#) (Cochrane Database of Systematic Reviews).
 - Christopher Griffiths, Kim Papp, Alexa Kimball, Bruce Randazzo, Michael Song, Shu Li, Yaung-Kaung Shen, Andrew Blauvelt: [Long-term efficacy of Guselkumab for the treatment of moderate-to-severe psoriasis: Results from the Phase 3 VOYAGE 1 trial through two years](#) (Journal of Drugs in Dermatology).
 - Kyoko Miura, Andy Vail, Daniel Chambers, Peter Hopkins, Lisa Ferguson, Michelle Grant, Lesley Rhodes, Adele Green: [Omega-3 fatty acid supplement skin cancer prophylaxis in lung transplant recipients: A randomized, controlled pilot trial](#) (Journal of Heart and Lung Transplantation).
 - Clare Mason, Rebecca Harrison, John Quayle, Ahmad Mirza, Haroon Saeed, Simon Galloway: [Pooled analysis of WHO Surgical Safety Checklist use and mortality after emergency laparotomy](#) (British Journal of Surgery).
 - David Chambers: [Principles of intravenous drug infusion](#) (Anaesthesia and Intensive Care Medicine).
 - Joao Barros-Silva, Douglas Linn, Ivana Steiner, Guoji Guo, Adnan Ali, Hubert Pakula, Garry Ashton, Isabel Peset, Michael Brown, Noel Clarke, Roderick Bronson, Guo-Cheng Yuan, Stuart Orkin, Zhe Li, Esther Baena: [Single-cell analysis identifies LY6D as a marker linking castration-resistant prostate luminal cells to prostate progenitors and cancer](#) (Cell Reports).
 - Philip McHale, Daniel Hungerford, David Taylor-Robinson, Thomas Lawrence, Timothy Astles, Ben Morton: [Socioeconomic status and 30-day mortality after minor and major trauma: A retrospective analysis of the Trauma Audit and Research Network \(TARN\) dataset for England](#) (Plos One).
 - Arul Bala, Sathyan Gnanalingham, Kanna Gnanalingham: [Thrombosis of abdominal aorta precipitating fatal subarachnoid haemorrhage](#) (BMJ Case Reports).
 - Zenas Yiu, Kayleigh Mason, Jonathan Barker, Philip Hampton, Kathleen McElhone,

- Catherine Smith, Richard Warren, Christopher Griffiths, Mark Lunt, David Burden, BADBIR Study Group: [A standardisation approach to compare treatment safety and effectiveness outcomes between clinical trials and real world populations in psoriasis](#) (British Journal of Dermatology).
- Robyn Lucas, Seyhan Yazar, Antony Young, Mary Norval, Frank de Gruijl, Yukio Takizawa, Lesley Rhodes, Craig Sinclair, Rachel Neale: [Human health in relation to exposure to solar ultraviolet radiation under changing stratospheric ozone and climate](#) (Photochemical and Photobiological Sciences).
 - Faisal Shah, Qazi Manzoor, Mir Shahid-ul-Islam, Salman Bhat, Shah Tarfarosh, Mohammad Bhat, Mushbiq Manzoor: [Post-dural puncture headache- having no pillow does not prevent it, not even psychologically. Should we try giving pills instead?](#) (Current Trends in Internal Medicine).
 - David Finch, Varun Misra, Shahab Hajibandeh: [Open darn repair vs open mesh repair of inguinal hernia: A systematic review and meta-analysis of randomised and non-randomised studies](#) (Hernia).
 - Shahab Hajibandeh, Shahin Hajibandeh, Stavros Antoniou, Francesco Torella, George Antoniou: [Treatment strategies for in-stent restenosis in peripheral arterial disease: A systematic review](#) (Interactive Cardiovascular and Thoracic Surgery).
 - Lee Smith, Claudio Luchini, Jacopo Demurtas, Pinar Soysa, Brendon Stubbs, Mark Hamer, Alessia Nottegar, Rita Lawlor, Adam Abbs, Nicola Veronese, et al: [Telomere length and health outcomes: An umbrella review of systematic review and meta-analyses of observational studies](#) (Ageing Research Reviews).
 - Ashley de Bie, Christian Subbe, Rick Bezemer, Tim Cooksley, John Kellett, Mark Holland, Arthur Bouwman, Alexander Bindels, Erik Korsten: [Differences in identification of patients' deterioration may hamper the success of clinical escalation protocols](#) (QJM).
 - Fiona Rowe, Lauren Hepworth, Claire Howard, Kerry Hanna, Christopher Cheyne, Jim Currie: [High incidence and prevalence of visual problems after stroke: An epidemiology study with implications for service delivery](#) (PLOS One).
 - David Watson, Ian Bruce, Christopher Griffiths, Iain McInnes, Michael Barnes, Luciano Floridi: [Clinical applications of machine learning algorithms: beyond the black box](#) (BMJ).
 - Karolina Stepien, Wolfgang Schmidt, Reginald Bittner, Orna O'Toole, Brian McNamara, Eileen Treacy: [Long-term outcomes in a 25-year-old female affected with lipin-1 deficiency](#) (JIMD Reports).

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

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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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