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Research & Innovation Bulletin

NHS
Northern Care Alliance
NHS Group

Research news from the Northern Care Alliance

20 September 2018

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.



Outstanding CQC report highlights innovation

Salford Royal has again been rated an 'Outstanding Trust' by the Care Quality Commission (CQC). It is the only NHS acute and community Trust to be rated as Outstanding on two consecutive occasions.

The [CQC's report](#) highlights several areas of outstanding practice, including stroke services (above) where it draws attention to our significant research programme, including internationally recognised portfolios of work. The report also praised innovative medicines and pharmacy projects Trust-wide, work to manage and reduce venous thromboembolism, the acute kidney injury programme, the Global Digital Exemplar initiative, the 'exceptional' work of the intestinal failure unit and innovative virtual clinics in urgent and emergency care.

The Northern Care Alliance's Group Chief Executive Sir David Dalton has praised and thanked staff for the tremendous achievement, which follows an improved rating for the Pennine Acute Hospitals earlier in the year. He said the Group will continue to share and spread best practice, with an unwavering focus on patient safety, patient experience and quality improvement and by ensuring staff are fully involved in finding improvements.

News



Professor joins UN panel

Professor Lesley Rhodes has joined the United Nations Environmental Effects Assessment Panel, which advises on the impacts of environmental change, with particular reference to the influence of sunlight exposure on skin disease and further aspects of human health.

Professor Rhodes, who is an Honorary Consultant Dermatologist at Salford Royal and Professor of Experimental Dermatology at The University of Manchester, has also been awarded the prestigious Edna Roe Lecturer Award by the International Union of Photobiology for her contributions to photobiology science. Her lecture will be given at the International Congress of Photobiology, in Barcelona, in August 2019.



UK first for metabolic medicine team

Well done to Senior Clinical Trials Administrator Andrea Hill, who has recruited the first two UK patients to a new registry for people with the metabolic condition Gaucher disease. Salford Royal was given the green light to begin recruitment on 14 August and the first two patients were signed up the next day, a remarkable achievement.

It is an observational study for patients with Gaucher disease and will collect safety data for patients who are on a new Gaucher therapy. The registry is sponsored by Sanofi and the Principal Investigator at Salford Royal is Dr Ana Jovanovic.



Key role for renal consultant

Salford Royal renal consultant Dr Tina Chrysochou has been appointed President Elect of the Royal Society of Medicine's Nephrology Section Council and will take over the Presidency in December.

Dr Chrysochou has worked at Salford Royal since 2013 and also has joint responsibility for the Oldham dialysis unit. She is the renal inpatient governance lead with clinical commitments in ward cover and complex glomerulonephritis, renovascular disease and general nephrology clinics. Research areas of interest include atheromatous renovascular disease, renal fibromuscular dysplasia and the rare condition nephrogenic systemic fibrosis. She set up the HSJ award-winning young adults' renal clinic at Salford Royal for patients aged 16-30 with CKD.



New R&I funding pot welcomes applications

The Research and Innovation (R&I) team of the Northern Care Alliance has identified funds to support the growth and development of research within the clinical units of the Trust.

A number of awards will be available for applications from medical staff, nurses, and AHPs working within any of the clinical teams in the NCA who are either currently engaged in clinical research or have a desire to initiate a research project. A typical award would allocate funding of approximately £12k per year for a maximum of two years (subject to annual review), but where exceptional cases can be justified, the funding could be greater.

You will need to complete a short application form which describes the research need/project and which provides justification for the application. You will require support from your line manager/clinical director so that any individual funding can be recognised in job plans.

[More information and an application form](#) are available online and the deadline for applications is 5pm on Monday 15 October.



Fond farewell to David

Colleagues have said farewell to Professor David Mann, Professor of Neuropathology at The University of Manchester, who is retiring after running the Manchester Brain Bank at Salford Royal for the past decade. A world-ranking authority on the neuropathology of degenerative disorders, he has also been leader of the Clinical Neuroscience Research Group within the University, co-ordinator of the Manchester Alzheimer's Disease Research Centre within the Alzheimer's Research UK Network and a committee member of the British Neuropathological Society. He has published more than 450 scientific papers in addition to three books on the neuropathology of dementia, plus numerous book chapters and review articles.



Need a literature search?

The Northern Care Alliance Library and Knowledge Service is able to support all staff undertaking research. It offers a wide range of services including literature searching. The libraries' experienced information professionals offer a bespoke searching service – providing you with high-quality evidence to support patient care, research, decision-making and much more. Expert searchers can save you valuable time, skilfully searching the evidence base on your behalf to ensure you have access to the best possible evidence to answer your research questions.

To request a search fill out the [online request form](#) or to discuss your requirements further contact the team on 0161 627 8463.



Celebrate at the Staff Awards

Our new NHS Group brings an opportunity for extra special recognition of our staff with the first Northern Care Alliance Staff Awards.

On Friday 16 November, staff from across our Salford, Oldham, Bury and Rochdale and North Manchester Care Organisations will all come together to celebrate those who are shortlisted and congratulate the inaugural Alliance award winners.

Does someone you work with always go the extra mile for patients

or colleagues? Has a colleague led an innovation or quality improvement which has benefited a service, patients and service users, or staff? Make sure you nominate them for one of the NCA Staff Awards by midnight tomorrow, 20 September.

Nominations will be shortlisted by a judging panel at each Care Organisation overseen by each Chief Officer and leadership team. You will then have the opportunity to vote for your winners. Details are on the intranet.

Time is also running out for nominations to the [Greater Manchester Clinical Research Awards](#) – deadline 28 September.

[Top](#)

Research stars of the month



North Manchester

Staff at the Day Surgery Unit at North Manchester were picked out for their fantastic support and assistance with the DALES trial, which is looking at drug allergy labels for people having elective surgery. Their help in the run up to the study and on the days when patients were being recruited made sure it ran very smoothly.



The Royal Oldham

The Royal Oldham's inaugural Research Stars of the Month were their colleagues at Rochdale Infirmary Day Surgery Unit who went above and beyond to help with the DALES trial (see left). They were helpful and welcoming to the research team and all the staff there were really enthusiastic about taking part in research.



Salford Royal

The [ADAPT-Sepsis](#) 'family' at Salford Royal - both the Critical Care Unit staff and the biochemists in the pathology laboratories – were July's Research Stars of the Month.

Staff on the Critical Care Unit, led by Dr Jay Naisbitt, have been hugely helpful to the Acute Research Delivery Team, assisting in identifying eligible patients for this important NIHR-funded study, taking research blood samples at the bedside and generally being welcoming and supportive.

Send your nominations

Please keep sending your nomination(s) 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:

- Salford Royal: [Vikki O'Loughlin](#) and [Jess Zadik](#)
- The Royal Oldham and North Manchester: [Simon Kaye](#)
- Fairfield: [Vikki O'Loughlin](#)



The biochemists have also gone out of their way to make sure the study runs smoothly, including processing samples at weekends and staying later to deal with samples when patients have been recruited late on in the day.

This collaborative working has helped make Salford Royal the highest recruiter nationally to the trial, with 20 patients since April. It is aiming to determine whether one of two different tests will allow a safe reduction in the time patients in hospital with suspected sepsis are kept on antibiotics. Professor Paul Dark is the Principal Investigator.

Congratulations

... to Mr Zaf Naqui, Consultant Hand and Wrist Surgeon at Salford Royal, who has co-authored with David Warwick a chapter on bone and joint injuries of the wrist and forearm in the new edition of [Hand Surgery](#), edited by David Warwick and Roderick Dunn and published by Oxford University Press.

...to the Research Rebels and Research Roadsters for being great sports by taking part in the

North West Organ Donation Games hosted by Salford Royal and NHS Blood and Transplant at Media City on 7 September. The Rebels – Vicky Thomas, Carolyn Hindmarsh, Nikki Harwood, Pablo Rodriguez and Gita Rana – and the Roadsters – Fiona Bray, Sophia Boydell, Siobhaun Smith, Samah Riaz and Jess Zadik – were helping to raise awareness of how important it is register as an organ donor and tell your loved ones about it. See our [Facebook page](#) for pictures from the day.

Good luck

... to Consultant Grahame Wood and Senior Research Fellow James Tollitt, who are taking part in the Kidneys for Life [Circular Kidney Cycle](#) on 7 October, in celebration of 50 years of kidney transplantation at Manchester Royal Infirmary. There's still chance to join them if you'd also like to raise funds for kidney research – there's a choice of a 50-mile or a 50-kilometre route.

[Top](#)

Governance



Governance for Research Ethics Committees

The Health Research Authority has agreed a revision of the [governance arrangements](#) for Research Ethics Committees. This revision is primarily a technical update but with some clarifications in light of feedback on the previous version.

Pharmacy assurance

The Health Research Authority's [Pharmacy Assurance process](#) coordinates a single technical pharmacy review for eligible studies, which can be used by all participating study sites, rather than all sites conducting their own technical pharmacy review. The Health Research Authority is open to recruitment for pharmacy experts to help conduct the technical pharmacy review of applications submitted through the Pharmacy Assurance process.

[Top](#)

Engagement



Open days are a family favourite...

Research staff are highlighting the benefits of research at the Trust open days this autumn, with events taking place at all five hospital sites. Our theme this year is 'family remedies' – a way to break the ice with visitors by asking if they think there is any evidence for those traditional folk remedies such as copper bracelets for rheumatism or honey and hot milk for coughs. This gives us a chance to explain how research provides the evidence for the efficacy of new treatments, as well as the knowledge to stop ones that don't work.

Many thanks to everyone who has volunteered to help on the stalls – we know from past experience that it is a lot of fun as well as a chance to share the many positives of research.

Socking it to diabetes

Marvel at the sight of [7,000 socks hanging high](#), as artist Christine Wilcox-Baker socks it to diabetes with an epic installation as part of Manchester Science Festival. Every year, more than 7,000 lower limbs are amputated in the UK due to diabetes and this giant artwork brings that home.

The [Research for the Future](#) team, based at Salford Royal, is a partner in this work, which is on show at the Central Library in Manchester daily except Sundays from 18 October to 14 November. As well as the giant sock installation, there are also artworks and animations by Manchester's 'Seven thousand feet' art and science team, games to play, and people in the know to meet, so you can discover more about how we can defeat this condition.

Share the benefits of research

If you're working in diabetes, cardiology, respiratory or renal research, please help to share the message about the benefits of research with your patients. [Research for the Future](#) aims to help researchers recruit to time and target by informing its database of volunteers about research studies they are eligible to take part in. It is an NHS programme, hosted by the Northern Care Alliance and based at Salford Royal. Contact [Lillian Fallows](#) if you would like posters or leaflets about the service for display.

[Top](#)

Funding



Help with your first grant

The NIHR Research Design Service North West Registration is now taking bookings for its free event, [Developing funding proposals in applied health and social care: first grants](#).

This event, on 11 October in Lancaster, will focus on NHS and social care staff or academic staff working with NHS staff to support them on their first grant, and is intended for people who are less experienced at applying for research funding and may be considering their first research grant submission. It is not suitable for anyone who has previously had a research grant. Attending the event will help to make your application stronger and increase your chance of getting your research idea funded.

Breaking down barriers

The University of Manchester has been awarded Wellcome Trust funding to undertake a pilot scheme that will build better links between science, technology and innovation by removing barriers between disciplines and making it easier to take translational steps.

The [Institutional Translational Partnership Award \(iTPA\)](#) encourages inter-disciplinary working to address major challenges in translational research, specifically, the translation of basic biological research into the elucidation of disease mechanisms and the translation of new data into the clinical setting and health decision making. It is not intended to fund an entire project but to overcome a particular hurdle that needs to be addressed before a proposal for further funding could be submitted. A maximum of four awards to the value of £55,000 will be allocated, typically for projects of six-nine months, but up to a year in exceptional circumstances.

This competition is open to all areas of translational research. Requests for application forms should be submitted to [Andrea Short](#) by 2pm on Friday 28 September.

Research for Patient Benefit competition 37

The National Institute for Health Research is looking for applications for research concerned with the day to day practice of health service staff and which have the potential to have an impact on the health or wellbeing of patients or service users. The programme aims to fund high quality quantitative and qualitative research with a clear trajectory to patient benefit. It particularly encourages applications that have a strong element of interaction with patients and the public and which have been developed in association with a relevant group of service users.

The Research & Innovation department and the [Research Design Service NW](#) can help to support the application process and the deadline is 21 November. More details are available [here](#).

Other NIHR calls

- [Policy Research Programme – infectious disease dynamic modelling in health protection](#) (closes 2 October).
- [Policy Research Programme – health inequalities research initiative](#) (closes 2 October).
- [Health Services and Delivery Research programme - researcher-led](#) (closes 10 January).
- [Health Technology Assessment programme – researcher-led primary research, including complex health and care needs in older people theme](#) (closes 16 January).
- [Health Technology Assessment programme - active case finding of coeliac disease](#)

- (closes 30 January).
- Visit the [NIHR website](#) for details of all current funding and support calls.

[Top](#)

Training



R&D Forum events

These NHS Research and Development Forum events are now open for booking:

- [Applied monitoring in a health and care setting](#) - 1 and 2 October, Manchester.
- [Embedding research strategy and culture in a health care setting](#) - 10 October, Birmingham.
- [Essentials of NHS research](#) – 15 and 16 October, London.
- [Non-commercial research sponsors symposium](#) - 8 November, London.

Clinical Research Network courses

The dates for Good Clinical Practice (GCP) and GCP refresher courses for 2018 are available on [our website](#). If your certification is due to expire, please use [this link](#) to confirm your place.

[Top](#)

[ECO: Digital Health in the North](#). Academic Science Health Network partners in the North are collaborating on this event to showcase new technology systems and apps, and to discuss how these can be adopted into practice. It's on 26 September, 9.30am-2pm, at King's House Conference Centre, Manchester.

[Forging New Links: Graphene in Healthcare](#). This event is aimed at bringing academics, clinicians, and engineers together to learn about graphene technology and explore how that could be applied in healthcare. It's on 17 October, 5.30-7.30pm, at Citylabs, Nelson Street, Manchester.

[Public Involvement in Research in the North West](#). This event will focus on how we can communicate more effectively across all stakeholders in public involvement in research, and the ethical aspects of doing public involvement, through presentations, case studies and hands-on workshops. It's on 30 October, 10.30am-4pm, in The Cobden Rooms 3&4, Manchester Central, Petersfield, Manchester, M2 3GX.

[NIHR Surgical MedTech Cooperative National Meeting 2018: Surgery for Tomorrow's NHS](#).

The NIHR Surgical MedTech Co-operative is a centre of expertise for the development of technologies in the area of colorectal, vascular and hepatopancreaticobiliary (HPB) surgery, with a focus on minimally invasive therapies for colorectal, vascular and HPB disease, translating scientific innovation in engineering, nanotechnology and biosensing into clinical applications. Its annual meeting is on 7 November, 8.30am-5pm at Cloth Hall Court, Leeds.

[Greater Manchester Cancer Conference](#). This one day conference will underline the benefits of cancer services, research and education working together. It will focus around Greater Manchester patient outcomes and explore key improvements made and continuing challenges. It's on 26 November at Old Trafford. The deadline for abstracts is 30 September.

[Top](#)

Vacancies



- [Senior Clinical Fellow – Spinal Surgery](#) (closes 20 September).
- [Specialty trainee – Neonatology](#) (closes 26 September).
- [Locum Consultant Shoulder and Upper Limb Surgeon](#) (closes 30 September).
- [Senior Clinical Fellow – Colorectal](#) (closes 1 October)
- NHS [Engagement and External Communications Manager, NIHR GMPSTRC](#) (closes 2 October).
- [Mohs Surgeon Consultant](#) (closes 6 November).

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

[Top](#)

Publications



- Djamila Rojoa, Emmanuel Katsogridakis, Manmohan Madan, Madhu Rao: [Merkel-cell carcinoma of the upper limb](#) (Journal of Surgical Case Reports).
- Maria Paraskevaidi, Camilo Morais, Daniel Freitas, Kassio Lima, David Mann, David Allsop, Pierre Martin-Hirsch, Francis Martin: [Blood-based near-infrared spectroscopy for the rapid low-cost detection of Alzheimer's disease](#) (Analyst).
- Ashley Bond, Michael Taylor, Arun Abraham, Antje Teubner, Mattias Soop, Gordon Carlson, Simon Lal: [Examining the pathophysiology of short bowel syndrome and glucagon-like peptide 2 analogue suitability in chronic intestinal failure: Experience from a national intestinal failure unit](#) (European Journal of Clinical Nutrition).
- Judith Gellatly, Gosia Pelikan, Paul Wilson, Kate Woodward-Nutt, Michael Spence, Anthony Jones, Karina Lovell: [A qualitative study of professional stakeholders' perceptions about the implementation of a stepped care pain platform for people experiencing chronic widespread pain](#) (BMC Family Practice).
- Nina Wilkinson, Teresa Tsakok, Nick Dand, Karien Bloem, Christopher Griffiths, Richard Warren, Catherine Smith, et al: [Defining the therapeutic range for adalimumab and predicting response in psoriasis: A multicentre prospective observational cohort](#)

- [study](#) (Journal of Investigative Dermatology).
- Prue Hart, Mary Norval, Scott Byrne, Lesley Rhodes: [Exposure to ultraviolet radiation in the modulation of human diseases](#) (Annual Review of Pathology: Mechanisms of Disease).
 - Benjamin Byrne, Michael Bassett, Chris Rogers, Iain Anderson, Ian Beckingham, Jane Blazeby: [Short-term outcomes after emergency surgery for complicated peptic ulcer disease from the UK National Emergency Laparotomy Audit: A cohort study](#) (BMJ Open).
 - Christian Maaser, Andreas Sturm, Stephan Vavricka, Torsten Kucharzik, Gionata Fiorino, Jimmy Limdi, Jaap Stoker, et al and on behalf of the European Crohn's and Colitis Organisation and the European Society of Gastrointestinal and Abdominal Radiology: [ECCO-ESGAR guideline for diagnostic assessment in inflammatory bowel disease](#) (Journal of Crohn's and Colitis).
 - Nicholas Selby, Peter Blankestijn, Peter Boor, Christian Combe, Philip Kalra, Aghogho Odudu, Albert Ong, Roslyn Simms, Maarten Taal, Steven Sourbron, et al: [Magnetic resonance imaging biomarkers for chronic kidney disease: A position paper from the European Cooperation in Science and Technology Action PARENCHIMA](#) (Nephrology Dialysis Transplantation).
 - Richard Warren, Antonia Marsden, Barbara Tomenson, Kayleigh Mason, Mohamed Soliman, Arthur Burden, Nick Reynolds, Deborah Stocken, Richard Emsley, Christopher Griffiths, Catherine Smith: [Identifying demographic, social and clinical predictors of biologic therapy effectiveness in psoriasis: A multicentre longitudinal cohort study](#) (British Journal of Dermatology).
 - Terence O'Neill, David Felson: [Mechanisms of osteoarthritis pain](#) (Current Osteoporosis Reports).
 - Emmanuel Katsogridakis, Laura Ballance, Oliver Cawley, George Antoniou: [Drug-eluting stents for the treatment of complex femoro-popliteal disease: A systematic review and meta-analysis](#) (Journal of Cardiovascular Surgery).
 - Aaron Drucker, Alexandra Ellis, Zarif Jabbar-Lopez, Zenas Yiu, Bern Arents, Tim Burton, Phyllis Spuls, Denise Kuster, Jochen Schmitt, Carsten Flohr: [Systemic immunomodulatory treatments for atopic dermatitis: Prototcal for a systematic review with network meta-analysis](#) (BMJ Open).
 - Adrian Heald, Mark Livingston, Anthony Fryer, Gabriela Cortes, Simon Anderson, Roger Gadsby, Ian Laing, Mark Lunt, Robert Young, Mike Stedman: [Real-world practice level data analysis confirms link between variability within Blood Glucose Monitoring Strip \(BGMS\) and glycosylated haemoglobin \(HbA1c\) in type 1 diabetes](#) (International Journal of Clinical Practice).
 - Victoria Cornelius, Rosemary Wilson, Suzie Cro, Jonathan Barker, David Burden, Christopher Griffiths, Helen Lachmann, Richard Warren, Catherine Smith, et al: [A small population, randomised, placebo-controlled trial to determine the efficacy of anakinra in the treatment of pustular psoriasis: Study protocol for the APRICOT trial](#) (Trials).
 - Peter Bower, David Reeves, Matt Sutton, Karina Lovell, Amy Blakemore, Mark Hann, Kelly Howells, Rachel Meacock, Luke Munford, Maria Panagioti, Beth Parkinson, Lisa Riste, Mark Sidaway, Yiu-Shing Lau, Lynsey Warwick-Giles, John Ainsworth, Thomas Blakeman, Ruth Boaden, Iain Buchan, Stephen Campbell, Peter Coventry, Siobhan

- Reilly, Caroline Sanders, Suzanne Skevington, Waquas Waheed, Katherine Checkland: [Improving care for older people with long-term conditions and social care needs in Salford: The CLASSIC mixed-methods study, including RCT](#) (Health Services and Delivery Research).
- Craig Leonardi, Kim Papp, Bruce Strober, Diamant Thaci, Richard Warren, Stephen Tyring, Dilek Arikan, Mahinda Karunaratne, Wendell Valdecantos: [Comprehensive long-term safety of adalimumab from 18 clinical trials in adult patients with moderate to severe plaque psoriasis](#) (British Journal of Dermatology).
 - William Gregory, Jack Wilkinson, Ariane Herrick: [A randomised controlled trial of wax baths as an additive therapy to hand exercises in patients with systemic sclerosis](#) (Physiotherapy).
 - Maharajan Raman, Darren Green, Rachel Middleton, Philip Kalra: [Comparing the impact of older age on outcome in chronic kidney disease of different etiologies: A prospective cohort study](#) (Journal of Nephrology).
 - Martina Huemer, Daria Diodato, Diego Martinelli, Henk Blom, Florian Gleich, Stefan Kolker, Viktor Kozich, Andrew Morris, Christian Hendriks, Giorgia Oliveri, John Walter, the EHOD consortium, et al: [Phenotype, treatment practice and outcome in the cobalamin-dependent remethylation disorders and MTHFR deficiency: Data from the E-HOD registry](#) (Journal of Inherited Metabolic Disease).
 - Sally Ibbotson, Terence Wong, Colin Morton, Nicholas Collier, Ann Haylett, Kevin McKenna, Rajeev Mallipeddi, Harry Moseley, Lesley Rhodes, Daron Seukeran, Kathleen Ward, Firouz Mohd Mustapa, Lesley Exton: [The adverse effects of topical photodynamic therapy: A consensus review and approach to management](#) (British Journal of Dermatology).
 - Christos Argyriou, Christos Papisideris, George Antoniou, Efstratios Georgakarakos, Nikolaos Papanas, Miltos Lazarides, George Georgiadis: [The effectiveness of various interventions versus standard stripping in patients with varicose veins in terms of quality of life](#) (Phlebology).
 - Namita Kumar, Sophia Naz, Mark Quinn, John Ryan, Thomas Kumke, Tom Sheeran: [Treatment of rheumatoid arthritis with Certolizumab Pegol: Results from PROACTIVE, a non-interventional study in the UK and Ireland](#) (Advances in Therapy).
 - Andrew Tomkins, Shazaad Ahmad, Darren Cousins, Caroline Thng, Francisco Vilar, Stephen Higgins: [Screening for asymptomatic neurosyphilis in HIV patients after treatment of early syphilis: An observational study](#) (Sexually Transmitted Infections).
 - Malcolm Dickson, Carl Parfitt: [Unexpected postoperative bleeding does not occur by chance](#) (BMJ).
 - Norbert Gattermann, Rosa Coll, Lutz Jacobasch, Allameddine Allameddine, Amin Azmon, Laure DeBonnett, Andreas Bruederle, Jie Jin: [Effect of deferasirox + erythropoietin vs erythropoietin on erythroid response in Low/Int-1-risk MDS patients: Results of the phase II KALLISTO trial](#) (European Journal of Haematology).
 - David Milgrom, Shahin Hajibandeh, Shahab Hajibandeh, Stavros Antoniou, Francesco Torella, George Antoniou: [Systematic review and meta-analysis of very urgent carotid intervention for symptomatic carotid disease](#) (European Journal of Vascular and Endovascular Surgery).
 - Gisela Wilcox: [Impact of pregnancy on inborn errors of metabolism](#) (Reviews in Endocrine and Metabolic Disorders).

- Christopher Moran, Fiona Lecky, Omar Bouamra, Tom Lawrence, Antoinette Edwards, Maralyn Woodford, Keith Willett, Timothy Coats: [Changing the system – major trauma patients and their outcomes in the NHS \(England\) 2008-17](#) (EClinical Medicine).
- Lalit Kalra, Craig Smith, John Hodsoll, Andy Vail, Saddif Irshad, Dulka Manawadu, on behalf of the STROKE-INF Investigators: [Elevated C-reactive protein increases diagnostic accuracy of algorithm-defined stroke-associated pneumonia in afebrile patients](#) (International Journal of Stroke).
- Jimmy Limdi: [Dietary practices and inflammatory bowel disease](#) (Indian Journal of Gastroenterology).
- James Stefaniak, Laura Parkes, Adrian Parry-Jones, Gillian Potter, Andy Vail, Ana Jovanovic, Craig Smith: [Enzyme replacement therapy and white matter hyperintensity progression in Fabry disease](#) (Neurology).
- Stavros Antoniou, Sofia Tsokani, Dimitrios Mavridis, Manuel Lopez-Cano, George Antoniou, Dimitrios Stefanidis, Nader Francis, Neil Smart, Filip Muysoms, Salvador Morales-conde, Hendrik Bonjer, Melissa Brouwers: [Guideline Assessment Project: Filling the GAP in surgical guidelines](#) (Annals of Surgery).
- Arkadiusz Miernik, Rodrigo Suarez-Ibarrola, Andreas Bourdouis, Noor Buchholz: [Impact of thermo-expandable Memokath ureteral stent on renal function in the management of ureteroileal anastomotic stricture](#) (Urologia Internationalis).
- Jane Halliday, Scott Rutherford, Martin McCabe, Dafydd Evans: [An update on the diagnosis and treatment of vestibular schwannoma](#) (Expert Review of Neurotherapeutics).
- Adrian Heald, Bianka Vida, Dinesh Bhugra: [Brexit, the Leave campaign, and mental health of ethnic minority communities](#) (Lancet Psychiatry).
- Sebastien Peytrignet, Christopher Denton, Mark Lunt, Roger Hesselstrand, Luc Mouthon, Xiaoyan Pan, Edith Brown, William Gregory, Ariane Herrick, et al: [Disability, fatigue, pain and their associates in early diffuse cutaneous systemic sclerosis: the European Scleroderma Observational Study](#) (Rheumatology).
- Christopher Kobylecki, Cathleen Haense, Jennifer Harris, Cheryl Stopford, Shallendra Segobin, Matthew Jones, Anna Richardson, Alexander Gerhard, Jose Anton-Rodriguez, Jennifer Thompson, Karl Herholz, Julie Snowden: [Functional neuroanatomical associations of working memory in early-onset Alzheimer's disease](#) (International Journal of Geriatric Psychiatry).
- Handrean Soran, Safwaan Adam, Jamal Mohammad, Jan Ho, Jonathan Schofield, See Kwok, Tarza Siahmansur, Yifen Liu, Akheel Syed, Shaishav Dhage, Claudia Stefanutti, Rachelle Donn, Rayaz Malik, Maciej Banach, Paul Durrington: [Hypercholesterolaemia - practical information for non-specialists](#) (Archives of Medical Science).
- Christian Hendriksz, Rossella Parini, Moeenaldeen AlSayed, Julian Raiman, Roberto Giugliani, John Mitchell, Barbara Burton, Paul Harmatz, et al: [Impact of long-term elosulfase alfa on activities of daily living in patients with Morquio A syndrome in an open-label, multi-center, phase 3 extension study](#) (Molecular Genetics And Metabolism).
- Samah Riaz, Andrew Rowland, Steve Woby, Tony Long, Joan Livesley, Sarah Cotterill, Calvin Heal, Damian Roland: [Refining and testing the diagnostic accuracy of an assessment tool \(PAT-POPS\) to predict admission and discharge of children and young people who attend an emergency department: Protocol for an observational](#)

[study](#) (BMC Pediatrics).

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@srft.nhs.uk 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