

## Guideline Development Group Interests Register

Publication date: 03/04/2023

See also:

- [Declarations of interests policy](#)
- [List of contributors](#)

| Name                   | Organisation representing | Type of Interest       | Description of interest   | Date interest arose | Date interest ceased |
|------------------------|---------------------------|------------------------|---|---------------------|----------------------|
| Professor Martin James | Chair                     | Personal pecuniary     | Lecture fees from Boehringer Ingelheim and Bayer in relation to novel anticoagulant drugs, from Amgen In relation to PCSK9 therapy, and from Medtronic in relation to thrombectomy                          | 14/10/2021          | 16/02/2023           |
|                        |                           | Non-pecuniary          | The Stroke Research Network (South West) received sponsorship from Boehringer Ingelheim, Pfizer, Daiichi Sankyo, Medtronic , Stryker and Roche towards costs of its 'Joining Forces' Annual Learning Event. | 14/10/2021          | 18/05/2022           |
|                        |                           | Personal non-pecuniary | I sit on the National Executive of the British Association of Stroke Physicians and am a trustee of the Stroke Association, both of which have a direct interest in matters relating to stroke.             | 14/10/2021          | 16/02/2023           |
| Dr Shakeel Ahmad       |                           | Personal pecuniary     | I am due to give a talk on the development of stroke services in Wales. The meeting will be sponsored & supported by Bayer.   | 14/10/2021          | 16/02/2023           |
| Dr Gill Cumberbatch    | Royal College of Nursing  | Personal pecuniary     | Portola – consultancy on NICE recommendations for andexanet alfa  | 14/10/2021          | 16/02/2023           |
|                        |                           | Non-pecuniary          | Funding for National Thrombectomy nursing meetings from Medtronic Limited.  | 14/10/2021          | 16/02/2023           |

| Name                     | Organisation representing                | Type of Interest       | Description of interest   | Date interest arose | Date interest ceased |
|--------------------------|--|------------------------|---|---------------------|----------------------|
|                          |  | Personal non-pecuniary | Stroke clinical lead, St. George's University NHS Foundation Trust; Nurse Representative, London strategic clinical leadership group; Royal College of Nursing member. Joint London Clinical Director for Stroke, NHSE London.  | 14/10/2021          | 16/02/2023           |
|                          |  | Personal non-pecuniary | Royal College of Nursing member. Joint London Clinical Director for Stroke, NHSE London.  | 16/02/2023          | 16/02/2023           |
| Professor Ronan Collins  |  | Personal pecuniary     | I have spoken at educational symposia sponsored by Bayer, Pfizer and Daiichi Sankyo in the last 12 months at the European Stroke Organisation Conference and European Society of Cardiology meeting.  | 14/10/2021          | 16/02/2023           |
| Professor Avril Drummond | Royal College of Occupational Therapists | Personal pecuniary     | Occasional lecture fees/honourium for lectures, examining REF reviews and workshops.  | 14/10/2021          | 16/02/2023           |
|                          |  | Personal non-pecuniary | I have been involved (and am currently involved) in several studies and trials of stroke rehabilitation. I am Chair of the Scientific Conference Committee for European The Life After Stroke Conference. I am a trustee of the Stroke Association and the Casson Occupational Therapy Trust.   | 14/10/2021          | 16/02/2023           |
|                          |  | Personal non-pecuniary | I have been involved (and am currently involved) in several studies and trials of stroke rehabilitation. I am Chair of the Scientific Conference Committee for European The Life After Stroke Conference. I am a trustee of the Stroke Association.   | 29/09/2022          | 16/02/2023           |
| Dr Mark Griffiths        | British Psychological Society            | Personal non-pecuniary | Yes. As a clinical psychologist having worked in the area of stroke rehabilitation for many years, I have strong interests and clinical experience in the area – which I believe is a point of value (and far from any point of hinderance), looking towards any contributions to the programme work that I make. I have also been the psychology advisor to the national stroke programme, which, once again, I think offers value to the process rather than otherwise. | 14/10/2021          | 16/02/2023           |
| Dr Andrew Hill           | King's College London Stroke Programme   | Personal pecuniary     | I am a director of Camareu Ltd, a limited company set up to provide stroke services to the NHS.   | 14/10/2021          | 16/02/2023           |

| Name                        | Organisation representing                       | Type of Interest       | Description of interest  | Date interest arose | Date interest ceased |
|-----------------------------|---|------------------------|--|---------------------|----------------------|
|                             |   | Personal non-pecuniary | I am a fellow of the Royal College of Physicians and British Geriatrics Society  | 14/10/2021          | 16/02/2023           |
| Dr Deborah Lowe             |   | Personal pecuniary     | In the past I have received honoraria from Bayer Pharmaceuticals for taking part in a lecture tour about Atrial Fibrillation and anticoagulation. I have also been sponsored to attend a Stroke Conference by Bayer which covered the cost of my registration and accommodation. I have delivered talks sponsored by Medtronic and received honoraria.<br><br>I have not received any payment in the last 12 months. | 14/10/2021          | 16/02/2023           |
| Dr Iain Marshall            | Royal College of General Practitioners          | Personal non-pecuniary | I am a member of the stroke research group at King's College London and have published research articles on aspects of stroke epidemiology.  | 14/10/2021          | 16/02/2023           |
| Dr Anita Patel              | Health economics advisor                        | Personal non-pecuniary | I have carried out several economic evaluation of interventions related to stroke and have received funding for this from the NIHR and the Stroke Association.   | 14/10/2021          | 16/02/2023           |
| Professor Sue Pownall       | Royal College of Speech and Language Therapists | Non=pecuniary          | In 2014 Sheffield SLT Dept completed a research study into Ampcare Effective Swallowing Programme (NMES), which was partly funded by the company Ampcare LLC Texas, alongside NIHR funding.  | 14/10/2021          | 16/02/2023           |
|                             |   | Personal non-pecuniary | RCSLT Advisor on NICE consultation for NMES statement (Neuro-muscular Electrical Stimulation for Dysphagia). Now completed. Expert Advisor for NICE Tele-swallowing consultation February 2018.  | 14/10/2021          | 16/02/2023           |
| Professor Thompson Robinson | Royal College of Physicians                     | Non-pecuniary          | National lead for ANNEXa-I (Ph21/Portola) and PACIFIC-Stroke (Bayer/PH21). Consultant payment to employing institution.  | 14/10/2021          | 16/02/2023           |
|                             |   | Personal non-pecuniary | NIHR National speciality lead for stroke. Stroke Association trustee. Non Executive Director for Northampton General Hospital NHS Trust. Pro Vice-   | 14/10/2021          | 16/02/2023           |

| Name                   | Organisation representing           | Type of Interest       | Description of interest   | Date interest arose | Date interest ceased |
|------------------------|-------------------------------------|------------------------|---|---------------------|----------------------|
|                        |                                     |                        | Chancellor, Head of the College of Life Sciences and Dean of Medicine, University of Leicester.   |                     |                      |
| Professor Fiona Rowe   | British and Irish Orthoptic Society | Non-pecuniary          | Norway Research Foundation project funding for stroke/vision network. 2019-2023. Fight for Sight project funding for vision rehabilitation of hemianopia. 2020-2023.  | 14/10/2021          | 16/02/2023           |
|                        |                                     | Personal non-pecuniary | Member of BIOS stroke and neuro-rehab Clinical Advisory Group. Co-opted topic advisor (Orthoptics) on NICE stroke rehab guidelines for adults.  | 14/10/2021          | 16/02/2023           |
| Dr Shirley Thomas      | British Psychological Society       | Personal non-pecuniary | Involved in stroke rehabilitation studies which may be considered for inclusion in the guidelines.  | 14/10/2021          | 16/02/2023           |
| Dr David Werring       | Association of British Neurologists | Personal pecuniary     | Prof Werring has received personal fees from Bayer and Portola for speaking, chairing and advisory boards   | 14/10/2021          | 16/02/2023           |
| Professor Philip White | Royal College of Radiologists       | Non-pecuniary          | Educational grant funding at Institutional level from Medtronic, Stryker & Penumbra   | 14/10/2021          | 16/02/2023           |
|                        |                                     | Personal non-pecuniary | None except membership of professional bodies: British Society of Neuroradiologists; UK Neurointerventional Group; Royal College of Radiologists. On-going research portfolio in imaging and neurointervention. | 14/10/2021          | 16/02/2023           |
|                        |                                     | Non-pecuniary interest | Educational grant funding at Institutional level from Medtronic, Stryker & Penumbra   | 13/01/2022          | 16/02/2023           |

## Topic group Interests Register

Declarations of interests were received from topic group leads and members on application to the topic group.

See also:

- [Declarations of interests policy](#)
- [List of contributors](#)

| Name                          | Personal pecuniary interest   | Personal family interest | Non-pecuniary interest  | Personal non-pecuniary interest  |
|-------------------------------|---|--------------------------|---|--|
| Dr Will Whitely               | None  | None                     | None  | None   |
| Dr Adrian Parry-Jones         | I have received honoraria from Alexion pharmaceuticals for participating in advisory boards and received speakers' fees from the same company.  | None                     | I have applied to Alexion Pharmaceuticals for funding for an observational research study investigating outcomes for anticoagulation-associated intracerebral haemorrhage in the UK. This application still under consideration by Alexion, no contract has been signed and no funds have been awarded. | None.  |
| Dr Anthony Periera            | None  | None                     | None  | None   |
| Professor Craig Smith         | None  | None                     | None  | None   |
| Dr Kailash Krishnan           | None  | None                     | None  | None   |
| Professor Frederike van Wijck | *Honorarium from delivering "Exercise after Stroke Specialist Instructor Training Course" (2007-2010)<br>*Royalties from Churchill Livingstone Elsevier for publication of Mead G & van Wijck F (Eds). Exercise | None                     | None  | § Co-developed the "Exercise after Stroke Specialist Instructor Training Course", licensed to Later Life Training (LLT) in 2010.<br>§ Published opinion paper and editorial, promoting physical activity after stroke:<br>§ van Wijck F, Bernhardt J, Billinger SA, Bird M-L, Eng J, |

| Name | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest | Personal non-pecuniary interest  |
|------|--|--------------------------|------------------------|--|
|      | <p>after Stroke: a handbook for evidence-based practice (2013)</p> |                          |                        | <p>English C , Fuscaldi Teixeira-Salmela L, MacKay-Lyons M, Melifonwu R, Sunnerhagen KS, Solomon JM, Thilarajah S, Mead GE. Improving life after stroke needs global efforts to implement evidence-based physical activity pathways. International Journal of Stroke 2019 (14):5:457-459. [Available online] DOI: 10.1177/1747493019840930</p> <p>§ Mead GE, van Wijck F (2011). Physical fitness training after stroke: time to translate evidence into practice (editorial). Royal College of Physicians Edinburgh 2011; 41:98–99<br/>doi:10.4997/JRCPE.2011.201</p> <p>§ Published papers recommending evidence-based interventions to improve function after stroke:</p> <p>§ Lloyd M, Skelton DA, Mead GE, Williams B, van Wijck F. Physical fitness interventions for nonambulatory stroke survivors: A mixed-methods systematic review and meta-analysis. Brain Behav. 2018;e01000.<br/><a href="https://doi.org/10.1002/brb3.1000">https://doi.org/10.1002/brb3.1000</a></p> <p>§ Collins M, Clifton E, van Wijck F, Mead GE. Cost-effectiveness of physical fitness training for stroke survivors. Journal of the Royal College of Physicians of Edinburgh Mar 2018, 48(1):62-68.</p> <p>§ Tieges Z, Mead G, Allerhand M, Duncan F, van Wijck F, Fitzsimons</p> |

| Name                 | Personal pecuniary interest | Personal family interest | Non-pecuniary interest | Personal non-pecuniary interest   |
|----------------------|-----------------------------|--------------------------|------------------------|---|
|                      |                             |                          |                        | <p>C, Greig C, Chastin S. Sedentary behaviour in the first year after stroke: a longitudinal cohort study with objective measures. Archives of Physical Medicine and Rehabilitation 2015 Jan;96(1):15-23. DOI: 10.1016/j.apmr.2014.08.015. Epub 2014 Sep 16</p> <p>§ Best C, van Wijck F, Dennis J, Smith M, Donaghy M, Fraser H, Dinan-Young S, Mead G.. Survey of Community Exercise after Stroke Services. Health and Social Care in the Community 2012; 20(4):400–411 doi: 10.1111/j.1365-2524.2011.01043.x</p> <p>§ Society for Research in Rehabilitation: Council member (2014-) and president-elect</p> <p>§ European Forum for Research in Rehabilitation Council member (2015-) and past president (2017-2019)</p> <p>Scottish Stroke AHP Forum (2011-) founding committee member</p> |
| Ms Nicole Walmsley   | None                        | None                     | None                   | None  |
| Dr Akram A. Hosseini | None                        | None                     | None                   | <p>I have been involved in research projects on the use of MRI to help stroke/TIA risk stratification and cognitive prognostication. The studies were funded by the NIHR (UK) and the Stroke Association (UK) and the results have been published in open access peer-reviewed journals. I have no</p>  |

| Name                    | Personal pecuniary interest  | Personal family interest   | Non-pecuniary interest   | Personal non-pecuniary interest  |
|-------------------------|--|--|--|--|
|                         |  |  |  | personal opinion, have not made a public statement, and have not been part of advocacy or professional group with a direct or personal interest other than the literature evidence.  |
| Janine Andrews          | None   | None   | None   | None   |
| Dr Jason Appleton       | Honoraria received for presentations to healthcare professionals from Pfizer and Bristol Meyers Squibb.  | None   | None   | None   |
| Dr Stephen Ashford      | None   | None   | None   | None   |
| Professor Martin Ashley | I am an NHS consultant in Restorative Dentistry, employed by Manchester University NHS Foundation Trust.<br>I am a director of a small private dental practice, Your Healthy Mouth Ltd | My wife, Katherine Ashley, is a staff midwife, employed by Manchester University NHS Foundation Trust. She is the other director of Your Healthy Mouth Ltd | I am an Associate Medical Director for Manchester University NHS Foundation Trust. I am an Honorary Professor in Restorative Dentistry and Oral Health with the University of Manchester.<br>I am the Chair of RD-UK, the Association of Consultants and Specialists in Restorative Dentistry                          | I developed the Mouth Care Matters e-learning course, within the FutureLearn MOOC network. <a href="https://www.futurelearn.com/courses/mouth-care-matters">https://www.futurelearn.com/courses/mouth-care-matters</a><br>The course has registered learners in 95 countries.<br>There is some content specifically to highlight mouth care for people who have had a stroke.<br>I have not and do not receive any payment or other income from this course. |
| Dr Jacqueline Benfield  | None   | None   | Funding stopped Jan 2019 – completed a PhD in post stroke dysphagia funded by HEE/ARC. Completed a study related to an assessment Dysphagia Trained Nurse assessment and an intervention surface electromyography biofeedback using a Neurotrac Simplex device and BISSkiT software. No funding/support from industry. | Published in journals and at conferences related to the above studies.<br>Committee member of NICE Stroke Rehabilitation guideline review.<br>Committee member of UK Swallowing Research Group which organises a conference every 2 years. Represent this coalition  |

| Name                  | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest | Personal non-pecuniary interest   |
|-----------------------|--|--------------------------|------------------------|---|
|                       |  |                          |                        | group on the UK Stroke Forum Scientific committee.  |
| Dr Adam Bevins        | None   | None                     | None                   | None  |
| Dr Elizabeth Boaden   | None   | None                     | None                   | None  |
| Sarah Broughton       | None   | None                     | None                   | None  |
| Dr Matthew Burn       | None   | None                     | None                   | None  |
| Dr Tom Butler         | None   | None                     | None                   | BACPR Scientific Officer<br>Committee member for British Dietetic Association Public Health Nutrition Specialist Group<br>Co-opted member for NICE CG181 Update (Cardiovascular disease: risk assessment and reduction, including lipid modification) |
| Professor John Camm   | Richmond Pharmacology Limited – Non executive Director<br>Shareholdings: None<br>Hospitality: None<br>Consultancies: Bayer, Daiichi Sankyo, Menarini, Medtronic, Boston Scientific, Abbott – none related to PFO management. | None                     | None                   | None  |
| Dr Michelle Canavan   | None   | None                     | None                   | None  |
| Mrs Gillian Capriotti | None   | None                     | None                   | None  |

| Name                     | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest  | Personal non-pecuniary interest   |
|--------------------------|--|--------------------------|---|---|
| Dr Jaimini Cegla         | I have received speaker/consultancy fees from: Amgen, Sanofi, Amyrt, Pfizer, Novartis, Akcea, Ionis  | None                     | I have received research grants from: Amgen, Amyrt, Novartis, | I am a member of the Medical, Scientific and Research committee of HEART UK, the Cholesterol Charity  |
| Dr Philip Clatworthy     | <p>I am in receipt of a small proportion of my salary (5% for 6 months) to support a UK Government Small Business Research Initiative (SBRI) project awarded to Ibis Vision to develop a remote visual assessment product.</p> <p>I am also in receipt of a small proportion of my salary (5% for 6 months) to support another UK Government SBRI project awarded to Evolv to further develop their tele-rehabilitation product.</p> <p>Neither of these products are the subject of evidence that might be assessed for this guideline.</p> | None                     | None  | <p>I am a member of the British and Irish Association of Stroke Physicians Scientific Committee. This is an unpaid role and there is no restriction to expressing my personal views.</p> <p>I am currently carrying out a research project operationalising and refining occupational therapy for visual field loss after stroke (NIHR PB-PG-0418-20040). However, this will not bias my view of the various treatments for visual problems after stroke.</p> |
| Marie Condon             | None   | None                     | None  | None  |
| Professor Louise Connell | None   | None                     | None  | None  |
| Dr Paul Cotter           | Speaker honoraria: I received speaker honoraria from Pfizer for my time for delivering webinars on the management of AF to GPs   | None                     | None  | None  |

| Name                   | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest  | Personal non-pecuniary interest  |
|------------------------|--|--------------------------|---|--|
|                        | (4 talks in 2020)<br>I received a speaker honorarium from Pfizer for a webinar (UK Stroke Forum) in 2020<br>I received a consultancy fee from Medtronic for a working group meeting in 2020. |                          |   |  |
| Dr Emma Coutts         | None   | None                     | None  | None   |
| Jennifer Crow          | None   | None                     | None  | None   |
| Dr Charlotte Curl      | None   | None                     | None  | None   |
| Dr Naomi Davey         | None   | None                     | None  | None   |
| Dr Nele Demeyere       | None   | None                     | Priority Programme Award from the Stroke Association (PI) - £410k - Long term psychological consequences of stroke. Stroke Association (Supervisor) PhD studentship to S Webb. £110,845 (direct costs).<br>NHMRC (co-I) AUD 736k total, 175k to ND/Oxford (direct costs). Computational and neural investigations of integrated perceptual decision making in health and disease (J Mattingley) | Academic lead on the Oxford Cognitive Screen, a stroke-specific screening tool for domain-specific cognitive screening<br>Academic lead on the OCS-Plus, a domain general computerised (tablet based) cognitive screen |
| Dr Michelle Dharmasiri | None   | None                     | None  | None   |
| Dr Mili Doshi          | None   | None                     | None  | None   |
| Dr Sabrina Eltringham  | None   | None                     | None  | None   |

| Name                      | Personal pecuniary interest        | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest   |
|---------------------------|------------------------------------|--------------------------|--|---|
| Dr Salim Elyas            | None                               | None                     | None   | None  |
| Professor Timothy England | None                               | None                     | None   | None  |
| Dr Nicholas Evans         | None                               | None                     | Received non-financial support for research (provided with imaging software in a formal research collaboration) from Brainomix, though no research work was subsequently undertaken using this platform.   | None  |
| Dr Lisa Everton           | None                               | None                     | None   | None  |
| Dr Patricia Fearon        | None                               | None                     | None   | I have been involved in research projects on the use of MRI to help stroke/TIA risk stratification and cognitive prognostication. The studies were funded by the NIHR (UK) and the Stroke Association (UK) and the results have been published in open access peer-reviewed journals. I have no personal opinion, have not made a public statement, and have not been part of advocacy or professional group with a direct or personal interest other than the literature evidence. |
| Mr Alan Flynn             | None                               | None                     | None   | None  |
| Professor Gary Ford       | Non Executive Director, NICE Board | None                     | Oxford Academic Health Science Network (AHSN) as part of its NHSE commission has funding to support uptake of lipid lowering drugs and increase uptake of lipid lowering drugs, and has received funding support from a contract of Novartis with the AHSN Network (15 AHSNs) to support uptake of Inclisiran and deliver contract negotiated by NHSE with | Chair AHSN Network Executive Committee which oversees national work of AHSNs<br>Chair AHSN Network Lipid Management and Familial Hypercholesterolaemia steering group<br>Chair Accelerated Access   |

| Name              | Personal pecuniary interest | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest   |
|-------------------|-----------------------------|--------------------------|--|---|
|                   |                             |                          | Novartis. Oxford University Hospitals NHS FT is the host and legal entity of the Oxford AHSN.  | Collaborative/IRLS Lipid Management Clinical Leaders Group<br>Member, NHSE Innovation Research Life Sciences Inclusion steering group   |
| Sam Francis       | None                        | None                     | None   | None  |
| Dr Tony Goddard   | None                        | None                     | None   | None  |
| Mrs Joanne Graham | None                        | None                     | My role is Head of service Delivery for the charity Chest Heart & Stroke Scotland. We have received grants from the Scottish Government and NHS Boards for the delivery of our services however none from NICE and none for research purposes. | None  |
| Emily Griffin     | None                        | None                     | None   | My professional background is as a physiotherapist, working in the rehabilitation space. I do therefore have ideas or opinions about the areas of interest, based on my own clinical experience. I am not currently working as a physiotherapist.<br><br>My current role is with the Stroke Association as the research manager, so I have a direct professional interest in the matters under consideration. |
| Dr Birgit Gurr    | None                        | None                     | None   | None  |
| Dr Nicola Hancock | None                        | None                     | None   | I work as part of an active research group at the University of East Anglia and as part of that role, seek funding, work alongside research associates and PhD  |

# NATIONAL CLINICAL GUIDELINE FOR STROKE

for the United Kingdom and Ireland

| Name                 | Personal pecuniary interest | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest  |
|----------------------|-----------------------------|--------------------------|--|--|
|                      |                             |                          |  | students and publish findings from studies carried out with people with stroke.  |
| Dr Joe Harbison      | None                        | None                     | None   | None   |
| Dr Nicola Harding    | None                        | None                     | None   | None   |
| Dr Caroline Haw      | None                        | None                     | None   | None   |
| Dr Lauren Hepworth   | None                        | None                     | None   | Research Associate with the VISION Research Unit at University of Liverpool. Academic Lead for British and Irish Orthoptic Society Stroke and Neuro Rehab Clinical Advisory Group. |
| Prof Katerina Hilari | None                        | None                     | Trustee of Aphasia ReConnect<br><br>Co-applicant and actively involved in NIHR funded Programme Development Grant on Communication Partner Training for Aphasia.<br><br>May have authored publications that will be under review | None   |
| Rebecca Hosking      | None                        | None                     | None   | None   |
| Dr Akram A. Hosseini |                             |                          |  |  |
| Dr Claire Howard     | None                        | None                     | None   | I am a member of the VISION research unit at University of Liverpool and as such have been involved in research in the area of post stroke visual impairment as a researcher.      |

| Name              | Personal pecuniary interest  | Personal family interest  | Non-pecuniary interest  | Personal non-pecuniary interest  |
|-------------------|--|---|---|--|
| Dr Xuya Huang     | None   | None  | None  | None   |
| Dr Tom Hughes     | I have no pecuniary interest in the healthcare industry. I do not do private practice and I do not do medicolegal work. I do not own any shares. | My wife and children do not have any pecuniary interests in healthcare. | None  | None   |
| Dr Louise Johnson | None   | None  | I am currently a collaborator on a research project funded through an NIHR i4i grant, investigating the GripAble Upper Limb Rehab device in stroke rehabilitation (Principal Research Fellow, UoS). | None   |
| Mrs Natalie Jones | None   | None  | None  | Yes, I have been awarded an NIHR/HEE Clinical Doctoral fellowship award to study for a PhD and conduct a research study with people who have eating and drinking difficulties. The study is an intervention design study using participatory research methods to develop a new intervention in the form of a breakfast group for people in stroke recovery with eating and drinking difficulties. This will end in September 2023.<br><br>I am a student at The University of Sheffield and Hosted by Sheffield teaching hospitals NHS Foundation Trust. I have published previous research on this topic. |
| Preetpal Kainth   | None   | None  | None  | None   |
| Dr John Keaney    | Consultancy for Biosense Webster   | None  | Fellowship funding from Bayer   | None   |

| Name                      | Personal pecuniary interest   | Personal family interest | Non-pecuniary interest  | Personal non-pecuniary interest   |
|---------------------------|---|--------------------------|---|---|
| Kate Kelly                | None  | None                     | None  | None  |
| Professor Peter Kelly     | Consultancy honoraria received from: Alexion, Novo Nordisk  | None                     | Grants from Health Research Board Ireland for trials of anti hypertensive and anti inflammatory therapy for stroke. Unrestricted grant to Stroke Clinical Trials Network Ireland from BMS.  | President Elect, European Stroke Organisation   |
| Dr Lisa Kidd              | None  | None                     | Project grant funding received from The Stroke Association<br>The Stroke Association. Improving the implementation of supported stroke self-management: what does it look like and what makes it work in different contexts? March 2019-December 2022). Principal Investigator. £138,598. | Over 2020-2022, I have contributed evidence on self-management in stroke to the revision of the Scottish Stroke Improvement Plan. |
| Dr Avtar Lal              | None  | None                     | None  | None  |
| Dr ZheKang Law            | None  | None                     | None  | None  |
| Professor Maggie Lawrence | None  | None                     | None  | None  |
| Professor Alex Leff       | None  | None                     | None  | None  |
| Dr Linxin Li              | None  | None                     | None  | None  |
| Professor Liz Lightbody   | None  | None                     | None  | None  |
| Dr Cameron Lindsey        | I hold a directorship with a company (Neuro Physio at Home) that provides neurological rehabilitation. This does not relate specifically to the product | None                     | None  | None  |

| Name                      | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest  | Personal non-pecuniary interest   |
|---------------------------|--|--------------------------|---|---|
|                           | or service under consideration but in the interests of openness I feel it is important to declare. |                          |   |   |
| Ms Wendy Longley          | None   | None                     | None  | None  |
| Professor Hugh Markus     | Editor in chief International Journal of stroke  | None                     | Peer reviewed research grants from MRC, EU, Alz Soc. BHF, Stroke Association  | None  |
| Professor Dominick McCabe | None   | None                     | Prof. McCabe's Research programme is supported by funding from The Meath Foundation, Ireland; The Enterprise Ireland-Innovation Partnership Programme (co-funded by the European Regional Development Fund); The Vascular Neurology Research Foundation, Ireland; The Adelaide Health Foundation, Ireland; The Enterprise Ireland H2020 Coordinator Proposal Preparation Support Scheme; and by unrestricted educational grant funding from Werfen, Spain; Sysmex UK / Siemens, Germany; SINNOWA Medical Science & Technology Co., China; and Acquis BI Technology Ltd., Ireland. | <p>I have been a co-author on the following peer-reviewed papers in patients with a PFO:</p> <ul style="list-style-type: none"> <li>- Lim ST, Murphy SJX, Smith DR, Williams J, Gil Navarro S, McCabe J, Moore DP, McHugh J, McCabe DJH. Clinical outcomes and a high prevalence of abnormalities on comprehensive arterial and venous thrombophilia screening in TIA or ischaemic stroke patients with a patent foramen ovale, an inter-atrial septal aneurysm or both. <i>J Neurol Sci</i> 2017; 377: 227-233.</li> <li>- Huber R, Grittner U, Weidemann F, Thijs VN, Tanislav C, Enzinger C, Fazekas F, Wolf M, Hennerici M, McCabe DJH, Putaala J, Tatlisumak T, Kessler C, von Sarnowski B, Martus P, Kolodny E, Norrving B, and Rolfs A. Patent Foramen Ovale and cryptogenic strokes in the Stroke in Young Fabry Patients Study. <i>Stroke</i> 2017; 48: 30-35.</li> </ul> <p>I have been a co-author on the following peer-reviewed manuscripts in patients with cardioembolic TIA/ischaemic</p> |

| Name | Personal pecuniary interest | Personal family interest | Non-pecuniary interest | Personal non-pecuniary interest  |
|------|-----------------------------|--------------------------|------------------------|--|
|      |                             |                          |                        | <p>stroke or atrial fibrillation:<br/>- McCabe DJH, Rakhit RD. Antithrombotic and interventional treatment options in cardioembolic TIA and ischaemic stroke. J Neurol Neurosurg Psychiatry 2007; 78: 14-24.</p> <p>- McCabe DJH, Kinsella JA, Tobin WO. Left atrial appendage occlusion in non-valvular atrial fibrillation. Lancet 2009; 374: 504-506.</p> <p>Chairperson of the established charity called 'The Vascular Neurology Research Foundation', May 2013 to date.</p> <p>Irish Heart Foundation, Council on Stroke (Neurology Committee), 2006 to date; and Council on Stroke Treasurer, 2010 to date.</p> <p>Co-author of the Irish Heart Foundation National 'Secondary Prevention Guidelines' following TIA or ischaemic stroke, 2009-2010.</p> <p>Member, Irish National Clinical Advisory Group (CAG) on Stroke Medicine, 2012 to date.</p> <p>Chair of the Research and Education Committee, Irish National Stroke Programme's (NSP's) Clinical Advisory Group for the RCPI / HSE, July 2018 to date. Strategy document edited and</p> |

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|------|-----------------------------|--------------------------|------------------------|---|
|      |                             |                          |                        | <p>collated in collaboration with colleagues and incorporated into the NSP's final, submitted National Stroke Strategy document in 2022.</p> <p>HRB–Stroke Clinical Trials Network, Ireland, Network Lead Investigator at AMNCH / TUH TCD, September 2014 to date.</p> <p>Co-author of the 2017 and 2023 ESVS guidelines for management of patients with atherosclerotic carotid and vertebral artery stenosis:</p> <ul style="list-style-type: none"> <li>- Naylor AR et al. Management of Atherosclerotic Carotid and Vertebral Artery Disease: 2017 Clinical Practice Guidelines of the European Society for Vascular Surgery (ESVS). Eur J Vasc Endovasc Surg 2018; 55: 3-81.</li> <li>- Naylor AR et al. European Society for Vascular Surgery (ESVS) 2023 clinical practice guidelines on the management of atherosclerotic carotid and vertebral artery disease. Eur J Vasc Endovasc Surg 2022 (in press).</li> </ul> <p>Co-author of the 2021 ESO guidelines on endarterectomy and stenting for carotid artery stenosis: Bonati LH et al. ESO Guideline on Endarterectomy and Stenting for Carotid Artery</p> |

| Name                      | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest | Personal non-pecuniary interest   |
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|                           |  |                          |                        | Stenosis. Eur Stroke J 2021; 6(2): 1- XLVII   |
| Professor Giles McCracken | None   | None                     | None                   | I have a history of undertaking and publishing research in the arena of manual and powered toothbrushing. My last publication and commercially sponsored clinical study was over a decade ago and I have no current links with any commercial provider of oral health products.   |
| Miss Clare McDonald       | None   | None                     | None                   | None  |
| Dr Jatinder Singh Minhas  | None   | None                     | None                   | None  |
| Dr Alex Mortimer          | I have received expenses from Medtronic for chairing a meeting in the field of subarachnoid haemorrhage/aneurysm management. | None                     | None                   | <p>I have chaired a multisociety guidelines group in the delivery of thrombectomy.</p> <p>I was part of the NICE guidelines group that produced guidance in the areas of thrombectomy, immediate management of TIA, imaging for TIA and patient positioning post stroke.</p> <p>I have undertaken a number of research projects in the field of neurointervention relating to stroke and subarachnoid haemorrhage management.</p> |
| Kim Mueller               | None   | None                     | None                   | None  |
| Professor Keith Muir      | Consultancy fees from Boehringer Ingelheim, Abbvie, Biogen in relation   | None                     | None                   | Institutional support from Boehringer Ingelheim (drug supply for tenecteplase in the ATTEST-2   |

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|-------------------------|--|--------------------------|--|--|
|                         | to stroke treatment (none related to thrombectomy).<br>Lecture fees from Boehringer Ingelheim in relation to thrombolysis. |                          |  | trial).<br>Co-author of HERMES collaboration paper on the topic of General anaesthesia based on pooled analysis of clinical trials.  |
| Professor Seán Murphy   | None   | None                     | None   | None   |
| Mrs Thérèse Lebedis OBE | None   | None                     | None   | None   |
| Dr Declan O'Kane        | None   | None                     | None   | None   |
| Professor Shaun O'Keefe | None   | None                     | None   | Presentations to scientific meetings and published research and comment papers on use of modified diets in dysphagia (not stroke specific)   |
| Rowena Padamsey         | None   | None                     | None   | None   |
| Professor Anand Pandyan | None   | None                     | As an Executive Dean for a Faculty of Health and Social Sciences we have received grants from the NIHR, a variety of Charities and Industry. None of these, to the best of my knowledge has a direct relationship to this project.<br>I am a co-applicant on the following HTA grant.<br>NIHR i4i: A randomised controlled trial of the effectiveness of surface neuromuscular stimulation using the geko™ device compared with intermittent pneumatic compression to prevent venous thromboembolism in immobile acute stroke patients (NIHR203425). Research costs £1,945,288.00; NHS support and treatment cost £431,766.00; Duration 36 – months; Start date TBC; PI – Christine Roffe & Bernard Ross; Col: Anand | President Elect Society for Rehabilitation Research<br>Possible publications in the public domain<br>1. Walker D-M, Fletcher-Smith J, Sprigg N, Pandyan A (2021). Designing a trial of early electrical stimulation to the stroke-affected arm: Qualitative findings on the barriers and facilitators. British Journal of Occupational Therapy. September.<br>doi:10.1177/03080226211008706<br>2. Lindsay C, Ispoglou S, Helliwell B, Hicklin D, Sturman S, Pandyan AD (2020). Can the early use of botulinum toxin in post stroke spasticity reduce contracture |

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|------------------------|---|--------------------------|--|--|
|                        |   |                          | <p>Pandyan; Alpesh Amin, Phillip Ferdinand, David Wells, Martyn Lewis (Statistics), Brin Helliwell (PPI).</p> <p>The company involved with this grant is: <a href="https://www.gekocodes.com/">https://www.gekocodes.com/</a> (this product was not a part of this review)</p> | <p>development? A randomised controlled trial. Clinical Rehabilitation.</p> <p><a href="https://doi.org/10.1177/0269215520963855">https://doi.org/10.1177/0269215520963855</a></p> <p>3. Fletcher-Smith JC, Walker DM, Allat K, Sprigg N, James M, Ratib S, Boadu J, Richardson C, Pandyan AD (2019) The ESCAPS study: a feasibility randomized controlled trial of early electrical stimulation to the wrist extensors and flexors to prevent post-stroke complications of pain and contractures in the paretic arm. Clinical Rehabilitation (<a href="https://doi.org/10.1177/0269215519868834">https://doi.org/10.1177/0269215519868834</a>).</p> |
| Dr Sarah Paterson      | None  | None                     | None   | None   |
| Professor Niall Pender | None  | None                     | None   | None   |
| Miss Sarah Pickup      | I have included within my savings portfolio a shareholding in Astra Zeneca. I do not consider it to present a conflict of interest, but I have included it in order to comply with your guidelines. | None                     | None   | None   |
| Dr Sarah Power         | Speaker Honoraria for Stryker on topic of Right Patient: is standardisation with AI support the right approach (imaging selection in patients with stroke), Consultancy for Neuravi /               | None                     | None   | None   |

| Name                     | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest |
|--------------------------|--|--------------------------|--|---------------------------------|
|                          | J&J Cerenovus - 1 day lab visit  |                          |  |                                 |
| Dr Terry Quinn           | None   | None                     | Grants from Chief Scientist Office, European Union, Stroke Association, Tenovus for research into stroke topics.<br>Investigator initiated funding from BMS / Pfizer alliance for research into cardiovascular topics. | None                            |
| Dr Kate Radford          | None   | None                     | I am the Chief Investigator for an NIHR funded trial, the 'Return to work after Stroke (RETAKE) trial' (HTA 15/130/1).   | None                            |
| Dr Jessica Redgrave      | None   | None                     | None   | None                            |
| Professor Peter Rothwell | Industry links (paid):<br>ARRIVE trial (Bayer) - TSC,<br>AXIOMATIC Trial (BMS) - DSMB, Abbott and LAAO - advisory on PFO, Sanofi - advisory on antiplatelets.<br>Academic trials (unpaid):<br>Second Asymptomatic Carotid Surgery Trial (ACST-2) Endpoint (Chair), Aspirin for Dukes B and C Colon Cancer Trial (ASCOLT) steering, Second European Carotid Surgery Trial (ECST-2) steering, Add-Asprin trial advisory, SWITCH Trial DSMB, MR-CLEAN-Med Trial - DSMB (Chair), TIME Trial Cognitive Study PI, PROHIBIT Trial Co-PI.<br>Publishing (unpaid):<br>Editorial Board for Lancet Neurology, Journal of Hypertension, European | None                     | None   | None                            |

| Name                        | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest   |
|-----------------------------|--|--------------------------|--|---|
|                             | Stroke Journal, Associate Editor of International Journal of Stroke. |                          |  |   |
| Mrs Lal Russell             | None   | None                     | None   | None  |
| Professor Catherine Sackley | None   | None                     | I hold a research grant from the NIHR, a Global Health Group 'Stroke in Sierra Leone' 2018-2022. | I have published in this field and I have supported The Stroke Association as a member of their scientific and fellowship panels.   |
| Professor Karen Sage        | None   | None                     | None   | None  |
| Dr Lesley Scobbie           | None   | None                     | None   | I wrote a tweet 22.8.20 (@LesleyScobbie) to say that I thought Fu et al Taking Charge After Stroke was impactful research because it was a positive stroke rehab trial that highlighted the importance of person centred research.  |
| Rachel Sibson               | None   | None                     | None   | None  |
| Dr Robert Simister          | None   | None                     | None   | I will participate in the Thrombectomy section of the Acute Care chapter. I have delivered lectures on the evidence base and case selection criteria for Mechanical Thrombectomy to internal groups within my Trust. I also deliver lectures with these titles on the Stroke Medicine MSc run at UCL. My lectures offer my objective assessment of the evidence base for Mechanical Thrombectomy and case selection for this procedure.<br>I have completed no research project in this domain and have |

| Name               | Personal pecuniary interest  | Personal family interest | Non-pecuniary interest   | Personal non-pecuniary interest   |
|--------------------|--|--------------------------|--|---|
|                    |  |                          |  | not expressed my opinion as a public statement.   |
| Mr Alexander Smith | None   | None                     | In receipt of a stipendiary fellowship funded by the Stroke Association.<br><br>Have received grants from the following organisations to conduct completed or ongoing research; Stroke Implementation Group (Welsh Government), Eveson Charitable Trust, James Tudor Foundation. | R&D Lead for the Stroke Clinical Forum of the Royal College of Occupational Therapists Specialist Section Neurological Practice.  |
| Mrs Caroline Smith | Occasional ad hoc payments by pharmaceutical company (Bayer) for non-promotional teaching to colleagues on increased understanding of the use of anticoagulant medications | None                     | None   | None  |
| Dr Rachel Stockley | None   | None                     | None   | I am an active researcher in stroke rehabilitation and so, in the course of my work, have expressed opinions on various areas linked to stroke rehabilitation. However, as a researcher I approach information with equipoise and remain unbiased in my appraisal and judgement of research and practice. |
| Dr Gillian Sweeney | None   | None                     | None   | None  |
| Vassilios Tahtis   | None   | None                     | None   | None  |
| Dr Maria Tuna      | None   | None                     | None   | None  |

| Name                  | Personal pecuniary interest   | Personal family interest   | Non-pecuniary interest   | Personal non-pecuniary interest  |
|-----------------------|---|--|--|--|
| Dr Ailie Turton       | None  | None   | None   | None   |
| Dr Andey Tyerman      | <p>I have retired from NHS but have the following paid roles relate to vocational rehabilitation (VR):</p> <ul style="list-style-type: none"> <li>• Annual teaching M.Sc. Neuropsychology, University of Bristol</li> <li>• Specialist external supervision of Consultant Clinical Neuropsychologist (West London)</li> <li>• Ad hoc consultancy input (e.g. Vocational Rehabilitation Association project)</li> </ul> <p>I do not think that there is any current direct conflict of interest rising from the above.</p> | <p>Ruth (wife) is a specialist brain injury vocational OT – retired but has following paid role</p> <ul style="list-style-type: none"> <li>• Specialist mentoring to OTs as part of University of Nottingham Stroke Return to Work project</li> <li>• Consultancy vocational rehabilitation input to Oxford Long COVID Clinic.</li> </ul> <p>I do not think that there is any current direct conflict of interest rising from the above.</p> | <p>Community Head Injury Service (which I used to lead) runs a specialist brain injury VR programme</p>  | <p>I currently have the following unpaid roles related to VR:</p> <ul style="list-style-type: none"> <li>• Hon. Consultant Clinical Neuropsychologist: Buckinghamshire Healthcare NHS Trust:</li> <li>• Trustee, Headway UK, brain injury association</li> <li>• Trustee, Vocational Rehabilitation Association</li> <li>• Unpaid teaching &amp; advisory roles (e.g. Working Group, National Clinical Guidelines for Stroke 2023) topics including VR; Task &amp; Finish Group in VR after Stroke, NHS England).</li> </ul> <p>I do not think that there is any current direct conflict of interest rising from the above.</p> <p>However, I have long advocated and written about the need for VR after brain injury</p> |
| Professor Derick Wade | None  | None   | None   | None   |
| Professor Nick Ward   | None  | None   | <p>The company EVOLV has donated 15 Evolv Rehabkits <a href="https://evolvrehab.com/evolvrehab/rehabkit/">https://evolvrehab.com/evolvrehab/rehabkit/</a> to The National Hospital for Neurology and Neurosurgery to help in the online rehabilitation programmes that I run. I have received no consultancy or fee. I'm not aware of Evolv Rehabkits being under consideration by NICE.</p> | <p>I have given many talks at conference expressing my views about neurorehabilitation after stroke, some of which involves my views on telerehabilitation and 'technology' for neurorehabilitation.</p>   |