

Curriculum Vitae of

Professor Daniel C Perry

NIHR Research Professor
& Consultant Orthopaedic Surgeon

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Clinical Specialty: Children's Orthopaedic Surgery with interests in Hip Disease & Trauma.

Hospital: Clinically active at Alder Hey Children's Hospital, Liverpool.

Qualifications and Research Training

2023	FRCS Ed (Ad Hominem), Royal College of Surgeons of Edinburgh
2020	MA (Oxon), University of Oxford.
2016	Fellow of the Higher Education Academy (FHEA)
2015	Fellowship in Orthopaedic Surgery, University of Toronto.
2013	FRCS (Tr&Orth), Royal College of Surgeons of England
2011	PhD (Epidemiology), University of Liverpool
2012	Higher Certificate in Statistics, Royal Statistical Society
2003	MBChB(Hons), University of Liverpool

Current Positions

- **NIHR Research Professor**, National Institute for Health Research.
- **Professor**, University of Liverpool.
- **Honorary Associate Professor**, University of Oxford.
- **Honorary Consultant Paediatric Orthopaedic Surgeon**, Alder Hey Hospital, Liverpool.

Selected Awards

- **Member of the International Paediatric Orthopaedic Thinktank (IPOTT)**. Elected member of 50 international leaders in children's orthopaedic surgery, 2022.
- **American-British-Canadian (ABC) Fellowship**. British Orthopaedic Association. 2022.
- **Best Clinical Paper**. Bone Research Society. 2020
- **Vice-Chancellor's Public Engagement in Research Award**. Commendation for public engagement in Paediatric Randomised Clinical Trials, University of Oxford. 2019.
- **Alan Beeston Award** for 'Most Outstanding Early Career Researcher' across all university disciplines –Liverpool University, 2016.
- **Hunterian Professorship** - Royal College of Surgeons of England. 2012/13.
- **Robert Jones Gold Medal and Association Prize**. British Orthopaedic. 2012.
- **John Sharrard Prize** - Best Presentation, European Paediatric Orthopaedic Society (EPOS) Meeting, Helsinki, 2012.

Research and Leadership Roles

- **Research Committee Member** - British Orthopaedic Association. 2016 – current.
- **National Specialty Lead for Orthopaedic Clinical Trials**, Royal College of Surgeons of England, 2019 – current.
- **NIHR HTA Commissioning Board Full Member**, 2017 - 2022.
- **National Clinical Lead for Hip Screening, Newborn and Infant Physical Screening Committee (NIPE)** – Public Health England, 2019 – current.
- **Specialty Editor for Paediatrics & Board Member**, Bone & Joint J, 2016 - current.

Research Funding

I lead a portfolio of clinical research in children's orthopaedic surgery in the UK. The total funding is >£30m, with >£15m as chief investigator since 2015. Grants as Lead Applicant:

- **NIHR HTA (£1,741,799) - Chief Investigator.**
Surgery or Non-Surgical Care in Perthes' Disease (Op Non-STOP). 2022.
- **NIHR HTA (£1,316,448). Co-Lead.**
Cefalexin for UTIs (CURLY). Nov 2021.
- **NIHR Research Professor Award (£1,805,000) – Chief Investigator.**
Clinical trials in routine care in Developmental Hip Dysplasia, March 2021.
- **NIHR HTA (£754,000) - Co-lead Applicant.**
Diagnosing Bone and Joint Infection. PIC Bone. 2020.
- **NIHR HTA (£2,546,000) – Co-lead Applicant.**
Night-time only bracing for scoliosis (BASIS). 2020.
- **NIHR HTA (£1,352,000) – Chief Investigator.**
British Orthopaedic SCFE Surgery Trial (Big BOSS). 2020.
- **NIHR HTA (£1,256,000) – Co-lead Applicant.**
Displaced Distal Tibial Fractures: Surgery or Casts in Kids (ODD SOCKS). 2020.
- **NIHR HTA (£1,490,000) – Chief Investigator.**
Children's Radius Acute Fracture Fixation Trial (CRAFFT). 2019
- **NIHR HTA (£654,000) – Chief Investigator.**
Forearm Fracture Recovery Evaluation (FORCE). 2018.
- **NIHR HTA (£1,200,000) – Chief Investigator.**
Surgery or Casts for Injuries of the Epicondyle in Children (SCIENCE). 2018.
- **NIHR Clinician Scientist Award (£755,000) – Chief Investigator.**
Research cohorts within children's orthopaedic surgery, March 2015.

Additional Funding Highlights:

- I am **co-applicant and mentor** to the Chief Investigator on a **\$6.8m US NIH R01 Grant** reproducing the UK SCIENCE and CRAFFT Trials in North America.
- I lead a portfolio of research related to **machine vision/ artificial intelligence (c£2m).**
- 3 current **DPhil students (NIHR funded).**
- My studies recruit throughout **Australia and New Zealand**, with additional funding to support this from the host institutions (i.e. StarShip Foundation).

Key Papers

I have published over 130 research papers. Highlights include:

- Singh A, Wade RG, Metcalfe D, Perry DC. Does This Infant Have a Dislocated Hip? The Rational Clinical Examination Systematic Review. **JAMA**. 2024 May 14;331(18):1576-85.
- Aarvold A, Perry DC, Mavrotas J et al. The management of developmental dysplasia of the hip in children aged under three months: a consensus study from the British Society for Children's Orthopaedic Surgery. **Bone Joint J**. 2023 Feb;105-B(2):209-214.
- Perry DC, Achten J, Knight R, et al. Do torus fractures of the wrist in children require immobilisation? A randomised controlled equivalence trial. **The Lancet**. July 2022.
- Perry DC, Arch B, Appelbe D et al. The British Orthopaedic Surgery Surveillance study: Slipped Capital Femoral Epiphysis. The epidemiology and two-year outcomes from a prospective cohort in Great Britain. **Bone & Joint J**. 2022. 104-B(4).
- Perry DC, Arch B, Appelbe D et al. The British Orthopaedic Surgery Surveillance study: Perthes Disease. The epidemiology and two-year outcomes from a prospective cohort in Great Britain. **Bone & Joint J**. 2022. 104-B(4).
- Metcalfe D, Zogg CK, Judge A, Perry DC, Gabbe BJ, Willet K, Costa M. Pay-for-Performance and Hip Fracture Outcomes: An interrupted time series and difference-in-differences analysis in England and Scotland'. **Bone and Joint J**. 2019; 101-B: 1015-23.
- Metcalfe D, Perry DC, Claireaux HA, et al. The Rational Clinical Examination Systematic Review: Does This Patient Have Hip Osteoarthritis? **JAMA**. 2019; 322(23): 2323 – 2333.
- Perry DC, Metcalfe D, Lane S, Turner S. Childhood Obesity and Slipped Capital Femoral Epiphysis. **Pediatrics**. 2018. 142(5).
- Perry DC, Metcalfe D, Griffin XL, Costa ML. Inequalities in Access to Total Hip Arthroplasty for Hip Fracture: Population Based Study. **BMJ**. 2016. 353: i2021.

Research Impact

- The **BMJ 2016** changed the NICE guideline for hip replacement after hip fracture (cg124, 2017); National Hip Fracture Database reports have since shown an improvement in care.
- The **BJJ 2019** paper demonstrated a large reduction in mortality through 'Payment by Results'. In light of this, the 'National Tariff Payment System' was extended in 2020/2021.
- The **BJJ 2022** BOSS studies led to changes in care across the UK, with regional treatment networks created for SCFE, and the data was used as one of the primary sources of data for the NHSE "Getting It Right First Time" national review of children's orthopaedic centres. This also led to two further nationwide RCTs (BigBOSS and OpNonSTOP).
- The **Lancet 2022** torus fracture RCT, established a new pathway for the treatment of torus fractures, translated into 8 languages and used worldwide – see www.FORCEstudy.org.
- The **BJJ 2023** hip dysplasia consensus guidelines are now embedded in the national Newborn Screening Pathway, which is part of routine care for every baby born in England.

Medicolegal

I have attended the **Bond Solon** "Excellence in Written Evidence" course. I take instructions in negligence related to children's orthopaedic disease, particularly related to the diagnosis of hip dysplasia, slipped upper (capital) femoral epiphysis (SUFE or SCFE) and the diagnosis/treatment of trauma or musculoskeletal infection.