

Curriculum Vitae  
David Campbell M.D.

July 2021

Consultant Paediatric Gastroenterologist  
Sheffield Children's Hospital  
Team Leader, interventional endoscopist, academic clinician.

**Personal Details**

Name	David Ian Campbell
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Email:	david.campbell17@nhs.net
Date of birth	14 November 1967
Nationality	British
Medical School 1985-1991	The Medical College of St Bartholomew's Hospital University of London
Qualifications	MB BS (Merits) 1991 MRCPCH (UK) 1994 MD (University of London) 2001
Specialist Trainee Authority	Accreditation in paediatrics and registered as Paediatric gastroenterologist March '04.
Defence Union	Medical Defence Union
GMC Registration	Full, 3539431

## Current employment

*From September 2006*

**Consultant in Paediatric Gastroenterology** – Sheffield Children’s NHS Foundation and  
**Hon Senior Lecturer** University of Sheffield

I am currently the Team Lead for Paediatric Gastroenterology at Sheffield Children’s Hospital (a position I share with a part time colleague). I act as the link between the clinical team, the AHPs and junior trainees and the management. I investigate all clinical incidents via the Datix reporting software.

I am an interventional and diagnostic endoscopist and perform wireless capsule endoscopy, haemostasis of upper and lower GI bleeding, PEG insertions, single stage, polypectomy, laparoscopic enteroscopy, oesophageal balloon dilatations, botox endotherapy (pyloric stenosis, sphincter of Oddi dysfunction), oesophageal varices banding, sclerotherapy. Paediatric Nutrition, impedance ph reading.

I have a particular interest in mucosal immunology and have kept myself abreast with the field since leaving academic medicine and moving in to full time clinical practice.

I also have an interest in children with complex neurodisability who develop feed induced dystonia. We have performed 11 coeliac plexus blocks with some dramatic successes (and some failures).

### Research Activity

1. Participation and recruitment to national trials in paediatric gastroenterology: I am the local PI for portfolio and non-portfolio research studies. Currently we are recruiting to NIHR studies in blended gastrostomy feeds (Your tube) and pharma studies in use of amino acid formulations for children with complex neurodisability (NICC study).
2. We are awaiting to start a pharma sponsored study on use of Ozanimod (selective inhibitor of  $\alpha 4\beta 7$  integrin) for the treatment of Crohn’s disease in children.
3. Molecular Medicine Supervision: Since 2007 I have supervised 4 students for a 6 months practical project together with colleagues from The University of Sheffield Molecular Medicine Department. 3 Distinctions have been awarded.
  - 3.1. Recombinant synthesis of FoxP3 isoforms in an e.coli and yeast systems.
  - 3.2. Binding kinetics of FoxP3 to IL-2, IL-4 promoter sites, interactions with metal cations and NFAT1.
  - 3.3. Crystal structure of recombinant wild type FoxP3. Methodological developments.
  - 3.4. Crystal structure of recombinant wild type FoxP3.
4. PhD Supervisor and grant holder for Dr G Penman: “Potential Mechanisms for a cellular mechanism for osteoporosis in inflammatory bowel disease: Cellular and humoral interactions between peripheral blood immune cells and Saos-2 cells”. Passed July 2018.
5. Nutrition MSc: 2 students in 2018 and 2016. Publication in Archives of Disease in Childhood, “Weight gain in parents of children with neurodisability admitted to UK hospitals”.

6. Pre-Hospital Delay in Paediatric Appendicitis and Risk of Perforation: This was funded by the Special Trustees, Sheffield Children's Hospital. This study has been completed and submitted for publication several times. I am still working on getting this study.
7. Chair of the Research Working Group for the British Society of Paediatric Gastroenterology Hepatology and Nutrition and council member. I review grant applications for GutsUK and Children's Liver Disease Foundation.

#### Grants held

1. Special Trustees Royal Victoria Infirmary, Newcastle-upon-Tyne – “Differences in IgG subclass response to *H. pylori* in Gambian and UK children.” £2,062. Pilot data for grant application 2002.
2. Newcastle Children's Foundation. £8,064. 2003.
3. Bardhan Fellowship “Immune cell metal cation concentrations”, principal investigator £24,000, 2009.
4. Phd Fellowship, Sheffield Childrens Hospital, 3 years salary funding for Dr Gareth Penman (approximately £200,000).
5. Sheffield Children's Hospital Trustees, £10,000, intestinal immune cell extraction and surface antigen integrity, 2009.
6. Sanofi Pasteur Merck Sharp Dome, investigator initiated project grant £37,000 economic impact of rotavirus admissions 2013.
7. Paediatric Appendicitis, Sheffield Children's Hospital Special Trustees 2014, £28,000.

#### Previous appointments

1. Feb 2006-August 2006: Locum general paediatric consultant Sunderland Royal Hospital with responsibilities in diabetes management and general paediatrics.
2. January 2005-February 2006: 12 month post as locum general paediatric consultant, Queen, Elizabeth Hospital, Gateshead
3. September 2004 -January 2005: **First Assistant** in Child Health, University of Newcastle. Post Doctoral Research focusing on humoral responses to *H. pylori* infection.
4. June - August 2004, **Locum Consultant Paediatric Gastroenterologist** – Royal Free Hospital, London
5. 1 December 2003 - May 2004 **First Assistant (Lecturer) Paediatric Gastroenterology**, Sir James Spence Institute of, Child Health, Royal Victoria Infirmary
6. North East SPR Training Rotation in Paediatrics, rotating through Queen Elizabeth Gateshead, Sunderland Royal, Neonates at RVI.1998-2003.

7. **MRC Research Fellow Dunn Nutrition Unit Cambridge** and Tropical Medical Research Unit The Gambia. Laboratory work at Dunn Nutrition Unit, St Bartholomew's Hospital London and The Royal Free Paediatric Gastroenterology Unit, London.
8. SHO jobs: Great Ormond St (neurology and intensive care), Addenbrookes (General paediatrics, neonates and intensive care), Lewisham Hospital (Paediatric A+E and Neonates).

### **Paediatric Gastroenterology, Nutrition and Hepatology Experience**

I perform interventional paediatric GI endoscopy at Sheffield Children's Hospital, a recognised centre of excellence in paediatric interventional endoscopy. I provide a GI bleed service together with colleagues and work full time.

I am a member of BSPGHAN and the Chair of The Research Working Committee. I acted as an expert advisor for the NCEPOD enquiry "A mixed bag", enquiry in to the use of TPN. My duties also include nutritional advice for children with a variety of medical and surgical problems who are in patient or outpatient at The Children's Hospital.

### **Medicolegal Experience**

I act as both an expert and professional witness in paediatric gastroenterology and nutrition. I have given evidence in Family and Crown Courts and the Royal Courts of Justice. Issues of limitation of treatment have required me to be a professional and expert witness to Lord Chiefs of Justice.

### **Teaching**

I regularly have student attachments for SSC, undergraduate lectures and clinical teaching. Most years I have elective students coming for a 2-3 month attachment.

I take my part in teaching and supporting placement fellows who come for endoscopy training or clinical exposure to the GI team at Sheffield.

Every year I organise a day of paediatric revision teaching on a Saturday morning. A regular attendance of 120 students attend.

### **Publications**

#### **I] Thesis**

MD Thesis awarded January 2001, University of London.

Title: "Growth faltering in Gambian children under 15 months of age is associated with a chronic enteropathy, impaired gut barrier function and systemic inflammation."

#### **II] Peer reviewed journals**

- 1 Interpreting 13C urea breath tests in infancy. Thomas, Dale, Harding, Coward, Cole, Sullivan, **Campbell DI**, Warren, Weaver. *Pediatric Research* 1999;46;147-51.

- 2 African enigma, analysis of the host response to *Helicobacter pylori* infection. **Campbell DI**, Sullivan, Figura, Telford, Warren, Thomas. *Helicobacter* 2001;6;263-7.
- 3 Chronic cell mediated enteropathy in malnourished Gambian children. *Pediatric Research* February 2003;54(3);306-311. **Campbell DI**, Murch SH, Elia M, Sullivan PB, Sanyang MS, Jobarteh B, Lunn PG.
- 4 Age related changes in intestinal permeability in rural West African adults and children. *British Journal of Nutrition* 2002;88;499-505. **Campbell DI**, Elia M, Lunn PG.
- 5 Growth faltering in rural Gambian infants is associated with impaired small intestinal barrier function, leading to endotoxaemia and systemic inflammation. *Nutrition* 2003;133;1232-7. **Campbell DI**, Elia M, Lunn PG.
- 6 Severe intestinal lymphangiectasia complicated by nephrotic syndrome treated by small bowel, liver and kidney transplantation. *JPGN* 2003;36(2);278-82. **Campbell DI**, Beath SV, deVille de Goyet, Thomas AG, Booth IW, Milford D, Mckiernan PJ, Kelly DA.
- 7 IgG subclass responses to *Helicobacter pylori* vary with age in populations with different risk of gastric cancer. *Clinical Diagnostic Laboratory Immunology* 2004;11(3);631-33. **Campbell DI**, Pearce MS, Parker L, Thomas JE.
- 8 Fecal Neopterin concentration as a marker of small bowel enteropathy and *Giardia lamblia* infection in Gambian infants. *Journal of Pediatric Gastroenterology and Nutrition* 2004;39(3);153-57. **Campbell DI**, McPhail G, Lunn PG, Elia M, Jeffries DJ.
- 9 IgG subclass responses in paediatric duodenal ulcer: evidence for a Th2 mucosal response. *Helicobacter* 2004;9(4);289-91. **Campbell DI**, Pearce MS, Parker L, Thomas JE.
- 10 Tooth loss and *Helicobacter pylori* seropositivity: the Newcastle Thousand Families Cohort Study at age 49-51. *Helicobacter*. Steele J, Thomas JE, Parker L, **Campbell DI**, Pearce MS. 2005;10(1):90-4.
- 11 Does increased duration of exclusive breast feeding protect against *Helicobacter pylori* infection? The Newcastle Thousand Families Cohort Study at age 49-51. *Journal of Pediatric Gastroenterology and Nutrition*. 2005;41(5):617-20. Pearce MS, Thomas, **Campbell DI**, Parker L.
- 12 Human milk vacuolating cytotoxin A immunoglobulin A antibodies modify *Helicobacter pylori* infection in Gambian children. *Clinical Infectious Diseases*. 2006; 43(8)1040-2. **Campbell DI**, Bunn JEG, Weaver LT, Harding M, Coward WA, Thomas JE.
- 13 Severe intestinal lymphangiectasia complicated by nephrotic syndrome treated by small bowel, liver and kidney transplant. *Journal of Pediatric Gastroenterology and Nutrition* 2003;36(2):278-82. **Campbell DI**, Beath SV, deVille de Goyet J, Thomas AG, Booth IW, Millford D, McKiernan PJ, Kelly DA.
- 14 *Helicobacter pylori* infection in paediatric practice. *Archives of Diseases in Childhood* Education and Practice Edition. **Campbell DI**, Thomas JE. 2005; 90: ep25-30.
- 15 Ioning out the diagnosis in chronic diarrhoea. **Campbell DI**, Watson S, Smith H, Clarke J, Court S. *Archives of Diseases in Childhood* Education and Practice Edition. 2005; 90:ep68-73.

- 16 A sporadic case of post streptococcal glomerulonephritis due to *strep equi*. *Pediatric Nephrology*. Cocker A, **Campbell DI**, Moghul N, Hudson S. 2007; 22 (4) 597-599.
- 17 Evaluation of 13C-urea breath test and faecal antigen immunoassay to detect *Helicobacter pylori* infection in Gambian infants. *Journal of Pediatric Gastroenterology and Nutrition*. Jones RT, Darboe MK, Doherty CP, Mackay G, Weaver LT, **Campbell DI**, Thomas JE. 2007; 44(5) 650-652.
- 18 Childhood Appendicitis. *British Medical Journal* eletter. Lansdale N, Marven S, **Campbell DI**, Scammell S. 2006; 333.
- 19 Congenital Neutropenia. *Archives of Diseases in Childhood*; Education and Practice edition. Townsend J, Clarke J, Cant AJ, Carey P, **Campbell DI**. 2008;93:14-18.
- 20 Environmental enteropathy: new targets for nutritional interventions *International Health*. McKay, S, **Campbell DI**, Prentice A, Albers R. 2010;2(3): 172-180.
- 21 Change in haematological indices over time in paediatric inflammatory bowel disease treated with azathioprine. *Drug Research and Development*. Soman S, Ashok D, Connolly S, Cordell SJ, Taylor CJ, **Campbell DI**. 2010; 10 :213-217.
- 22 Evaluation of the BLIQ test for hypolactasia in children. *Journal of Pediatric Gastroenterology and Nutrition*. Rao, P, Rao N, **Campbell DI**. 2012;54 401-403.
- 23 Feed induced dystonia in children with severe central nervous system disorders. SM Mordekar, M Velayudhan, **Campbell DI**. *Journal of Paediatric Gastroenterology and Nutrition*. 2017;65:343-345.
- 24 Pneumatosis Coli in children with severe neurodisability treated with a defunctioning colostomy. *JPGN*. 2016. Lindley R, Das D, **Campbell DI**.
- 25 Readmissions to UK hospitals due to RSV, Rotavirus and non-Rotavirus gastroenteritis, a whole UK study 2000-2008. *Acta Paediatrica* 2013;102 e158-162. Pockett, R, Rajifiori, F, **Campbell DI**, Adlard, N.
- 26 Impact of RSV and Rotavirus upon Vulnerable children. Pockett R., **Campbell DI** Rajifiori F., Carroll S., Adlard N. *Journal of Medical Economics* 2013;16(4) 560-565.
- 27 Knotty issues in post pyloric feeding. Melody Redman, **DI Campbell**. *Archives of Disease in Childhood* 2018 Medical image plus commentary on problems in Jejunal feeding. Online: 30 January 2018. doi: 10.1136/archdischild-2017-314626.
- 28 Impact of hospitalisation of children on parental dietary habits: a qualitative study. Kirsten Church, Vanessa Halliday, **DI Campbell**. *Archives of Disease in Childhood* 2019. <http://dx.doi.org/10.1136/archdischild-2018-316280>
- 29 Two year experience of using the bravo wireless ph system at a single UK tertiary centre. *Acta Paediatrica* 2017; 106: 312-315. Rao P, Rao N, **Campbell DI**.
- 30 Deprivation, timing of preschool infections and H. pylori seropositivity at age 49-51 years: the Newcastle thousand families birth cohort. *BMC Infectious Disease* 2013; 13: 1-6. Pearce MS, Campbell DI, Thomas JE, Parker L.

#### Papers Under submission

1. Spirochaetosis: Chronic infective colitis presenting as inflammatory bowel disease. Draft manuscript. Sharma S, Cohen M, Rao P, Campbell DI. *JPGN*.
2. Delay in presentation to hospital and risk of complex appendicitis: A timeline follow back study of prehospital pathways in children with appendicitis. Redraft of redrafts. Campbell DI, Bekdash B, Marven SS, Dass D, Young TA.

3. Coeliac Plexus block to treat feed associated Dystonias. Under submission *JPGN2021*. Campbell DI, Rabone R, Raghavan R, Eissa A, Mordekar S.

#### Other Publications:

1. The African Enigma: an analysis of the host response to *Helicobacter pylori* infection. Abstract. *Transactions of the Royal Society of Tropical Medicine* 1998.
2. Age related changes in intestinal permeability in a rural West African population. Abstract. *Proceedings of the Nutrition Society*.
3. Safety of oral glutamine administration. Abstract. *Proceedings of the Nutrition Society* 1997.
4. Mucosal inflammatory cell populations in malnourished Gambian children: relationships with intestinal permeability. Abstract. *Journal of Paediatric Gastroenterology and Nutrition*. 31 supp2: 2000, s136.
5. Is failure to thrive in the Tropics due to impairment of gut barrier function leading to chronic endotoxaemia a cause of growth faltering in rural West African children? Abstract. *Journal of Paediatric Gastroenterology and Nutrition* 31 supp2,2000,s90.
6. Hepatitis C and the neonatologist. *Perinatal and Neonatal Care* 2001:3(2);53-58.
7. The cellular immune response in children with inflammatory bowel disease may mediate their low bone mineral density: a pilot study. 8<sup>th</sup> International Conference on Bone Disease in Children; 2017 G. Penman, G. Pockley, **DI Campbell**. Bioscientifica.
8. The influence of immune dysregulation on bone metabolism in children with inflammatory bowel disease: the potential for bone as a secondary lymphoid organ. G. Penman, G. Pockley, **DI Campbell**; 2017: Bioscientifica.
9. Do activated immune cells mediate low bone mineral density in inflammatory bowel disease? PhD thesis University of Sheffield 2018, G Penman. Supervisors **DI Campbell** G Pockley.
10. Rectal Bleeding in Children. Chapter Campbell DI, *Guide to Paediatric Urology and Surgery in Clinical Practice*. Springer, Godbole PP, Koyle MA, Wilcox DT 2020 165-168.
11. Gastro-oesophageal Reflux. Chapter Campbell DI, *Guide to Paediatric Urology and Surgery in Clinical Practice*. Springer, Godbole PP, Koyle MA, Wilcox DT 2020 161-163.

#### Management and Leadership

1. Microsystems Coaching. I am a qualified microsystems coach and have a certification after a year of teaching and assessment. I have developed an Aerodigestive service at Sheffield Children's Hospital (co-localisation of GI, ENT and Respiratory services). I also helped develop and coach the paediatric cardiology service at Sheffield Children's Hospital.
2. General Paediatric Team leader from 2009-2013.
3. Paediatric Gastroenterology Team leader 2018 to present.
4. Chair of Research Working Group for BSPGHAN 2018- present.
5. Case investigation officer. Various situations involving medical staff, at the request of the Medical Director.
6. Appraiser. I am a trained appraiser.
7. Deputy Director of Medical Education 2015-2018 Sheffield Children's Hospital.

8. GMC Maintaining Higher Professional Standards. Although not a formal training I have been a witness in 3 separate investigations. This has been a formative experience in my career.