

CURRICULUM VITAE

MAY 2015

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NAME MICHAEL ANDREW THOMSON

DATE OF BIRTH 30.6.1962

Married, 3 daughters

QUALIFICATIONS

MB ChB - 1985
DCH - October 1987
MRCP(Paeds) - September 1990
FRCPCH - July 1997
MD – October 1999
FRCP – June 2002

UNDERGRADUATE MEDICAL EDUCATION AND QUALIFICATIONS

MEDICAL SCHOOL	Aberdeen University Medical School 1980-1985		
	Physiology merit	1980	
	Anatomy merit		1981

PRESENT CONSULTANT POST:

May 2004-ongoing

Consultant Paediatric Gastroenterologist and Interventional Endoscopist
Centre for Paediatric Gastroenterology
Sheffield Children's Hospital NHS Foundation Trust

Honorary Reader in Paediatric Gastroenterology
Sheffield University Medical School

Also:

Please see www.paediatricgastroenterologist.com

PREVIOUS CONSULTANT POST:

Clinical Director of Centre for Paediatric Gastroenterology
Consultant Paediatrician in Gastroenterology and Nutrition / Honorary Senior Lecturer
University Department of Paediatric Gastroenterology
Royal Free Hospital, London
November 1995-April 2004

This was a newly-created unit in 1995, initially led by Professor Walker-Smith with three consultants, and was the only department in the United Kingdom which had University Departmental status in its own right. This is a specifically designed 14 bed facility providing a paediatric gastroenterology regional service to the Central/Northern London region with a catchment population of approximately 3 million. In addition it attracts extensive supra-regional referrals and a significant number of foreign referrals are also seen.

The brief of the NHS consultant post which I held was to:

a) develop and head a Nutritional Support Team (including establishing a computer-based parenteral nutrition service) for paediatrics as a whole;

- b) develop and carry out an upper and lower GI endoscopy service, plus ERCP and interventional endoscopy (currently comprising three lists a week under general anaesthetic);
- c) coordinate and where necessary supervise a wide range of gastroenterological investigations including pH monitoring, upper and lower GI motility studies, and hydrogen breath tests;
- d) perform regular audit of the unit's activity;
- e) spend two sessions in general paediatric ward rounds and clinics with a general paediatric on-call commitment of 1 in 6;
- f) take responsibility for the specialist unit for 50% of the day to day commitment and colonoscopy lists, and with a 1 in 3 on call ratio;
- g) maintain and develop a personal research base of two sessions per week.

All of the above and in particular the Nutrition Support Team and endoscopy service I achieved within a relatively short time frame. I also maintained strong links with the general paediatric service with a one in five service commitment and developed an outreach clinic programme for a number of nearby district-general paediatric units.

I set up a Paediatric ERCP Service and jointly led a Paediatric Pancreatic Diseases Clinic. I brought together all the necessary specialists and skill mixes required for the components of a Feeding Disorders Clinic for inpatient and outpatient care.

Ongoing and active participation in undergraduate and postgraduate teaching was also a priority for me in this post, and I organised and still run Paediatric Membership courses with a first time pass rate of 95%. (National average 35%).

I was the Clinical Governance Officer for the Unit and arranged monthly audit, guideline, and critical incident meetings for the department.

Current research interests are in the areas of gastro-oesophageal reflux using a number of new physiological techniques such as intraluminal impedance, histological and ultra-structural changes in reflux oesophagitis, endoscopy training, advanced therapeutic and diagnostic endoscopy in paediatrics, recurrent abdominal pain of childhood, and H pylori, and non-invasive versus invasive assessment for inflammatory bowel disease.

ADULT CLINICAL EXPERIENCE:

GENERAL:

General Medicine:

House Officer, Harrogate DGH, Yorkshire. Cardiology, Endocrinology, Chest Medicine. (August 1985 - January 1986).

Senior House Officer, North Manchester General Hospital. (August 1987 - January 1988).

General Surgery:

House Officer, York DGH, Yorkshire. General Surgery, Vascular, Orthopaedics. (February 1986 - July 1986).

Chest Medicine:

Senior House Officer, Monsall Hospital, Manchester.
Regional Cystic Fibrosis Centre. Experience in bronchoscopy.
(February 1988 - July 1988).

Cardiology:

Senior House Officer, North Manchester General Hospital.
Experience in CCU, cardiac pacing, intensive invasive monitoring, exercise testing.
(August 1987 - January 1988).

Infectious Diseases:

Senior House Officer, Monsall Hospital, Manchester.
Regional AIDS centre. General infectious disease admissions.
(February 1988 - July 1988).

PAEDIATRIC CLINICAL EXPERIENCE:

GENERAL:

Senior House Officer, Harrogate DGH, Yorkshire. Dr D Gillies, Dr J Sarsfield.
(August 1986 - July 1987).

Senior House Officer, St James University Hospital, Leeds, Yorkshire.
Dr J Littlewood, Dr T Brocklebank, Prof R Meadow. (August 1988 - July 1989).

SPECIALIST:

Surgery:

Senior House Officer, St James University Hospital, Leeds, Yorkshire. General
surgery, urology, neurosurgery, oncological surgery. (August 1988 - October 1988).

Child protection unit:

Senior House Officer, St James University Hospital, Leeds, Yorkshire.
Dr C Hobbs. All aspects of physical, sexual and emotional abuse with expert witness
experience in court and coordination of case conferences. (April 1989 - July 1989).

Neurology:

Senior House Officer, St James University Hospital, Leeds, Yorkshire.
Dr E Roussounis. Acute and chronic neurological disorders and involvement in
Regional Child Development Centre. (April 1989 - July 1989).

Neonatology:

Senior House Officer, St James University Hospital, Leeds, Yorkshire. Dr P Dear. Regional Neonatology Unit with capacity for 8-10 ventilated neonates; 28 cot unit. Six month attachment as SHO and 12 month cover as Clinical Tutor/Registrar. (1988 - 1990).

Registrar at Mount Isa Base Hospital, Queensland, Australia. Responsible for ventilation and intensive care of neonates in a dedicated neonatal intensive care unit. (December 1990 - April 1991).

Respiratory:

Senior House Officer, St James University Hospital, Leeds, Yorkshire. Dr J Littlewood. Regional Cystic Fibrosis Unit. (May 1989 - July 1989). Clinical Tutor/ Registrar in same unit for 12 months following SHO rotation. (August 1989 - July 1990).

Endocrinology:

Senior House Officer, St James University Hospital, Leeds, Yorkshire. (May 1989 - July 1989). Dr J Littlewood. Regional diabetic service as well as other endocrinology experience. Clinical Tutor/ Registrar in same unit for 12 months following SHO rotation. (August 1989 - July 1990).

Community:

Registrar in Mount Isa Hospital, Central Queensland, Australia. Health Surveillance Clinics and meningococcal vaccination program primarily with the Aboriginal population. In conjunction with the Flying Doctor Service this post allowed assessment and management of a wide range of diseases (including malaria, cholera, acute rheumatic fever, leprosy, protein-energy malnutrition etc) and social issues contributing to the poor standard of health of the Aboriginal child, within a framework of clinical autonomy. (December 1990 - April 1991).

Intensive Care:

Registrar, Royal Children's Hospital, Brisbane, Australia. Experience of all practical procedures and ventilation. Care of post-liver transplant cases. (April 1991 - July 1991).

Oncology:

Registrar, Royal Children's Hospital, Brisbane, Australia. Supra-regional Oncology service - this proved to be an extremely rewarding attachment in terms of experience in the practical management of acute and maintenance treatment of children suffering from a wide variety of oncological and haematological processes. (July 1991-December 1991).

Gastroenterology/Hepatology:

Senior House Officer, St James University Hospital, Leeds, Yorkshire. Regional Gastroenterology Service. (May 1989 - July 1989).

Clinical Tutor/ Registrar, St James University Hospital, Leeds, Yorkshire. Regional Gastroenterology Service. (August 1989 - July 1990).

Clinical Research Fellow in Gastroenterology/ Cystic Fibrosis, Royal Children's Hospital Foundation, Brisbane. (January 1992 - May 1994).

I gained enormous benefit from this two year post in terms of clinical skills and in particular I received excellent training in many facets of gastrointestinal investigation including carrying out 3 endoscopy/colonoscopy lists a week in a unit with a turnover of more than 1000 cases per annum. Familiarisation and subsequent proficiency was gained in other areas of gastroenterological investigation such as oesophageal and rectal manometry; pancreatic function tests; ambulant pH studies; rectal secretory studies; and liver biopsies/functional studies. An active well-equipped nutrition laboratory exists allowing resting and total energy expenditure measurement - forming the basis of my MD proposal and research.

Child Health Lecturer/ Honorary Senior Registrar in Hepatology. Liver unit, Birmingham Children's Hospital.

July 1994 - September 1995

This unit involves a regional catchment population of 5 million and supra-regional of 25 million and is one of three in the United Kingdom providing care to children with all forms of liver disease which includes neonatal liver disease and chronic liver disease, and is the major UK centre for metabolic liver disease. In addition medical support for acute liver failure with emergency liver transplantation is provided requiring intensive input at Senior Registrar level. The activity of the liver transplant service results in 35-45 paediatric transplants per year, and there is a small bowel/liver transplant programme which has resulted in the only European transplants to date - this facility will be expanding with an estimated 10 children requiring this intervention per year in the UK.

Responsibilities at Senior Registrar/Lecturer level included inpatient care, clinics, two to three endoscopy lists per week, registrar and medical student teaching, arrangement and organisation of final year medical student exams, and administration for junior doctors within the unit. A very healthy research atmosphere exists and 3 sessions per week were spent in this area. Research interests during this post are listed below:

1. Energy expenditure studies in fulminant hepatic failure.

The analysis of resting energy expenditure in infants and young children with acute fulminant hepatic failure when ventilated is an area which hitherto has received little attention, and the grossly catabolic state which basic physiology dictates would exist in these infants may, in part, explain their marked acidosis and glucose requirement and poor eventual outcome. Indirect calorimetry techniques will be used to assess resting energy expenditure and energy balance studies and protein turnover will enable improved understanding of the role of catabolism in this group.

2. Cyclosporin pharmacodynamics post-hepatic transplant.

Further pharmaceutical research and development has now resulted in a microemulsion formulation of cyclosporin A (Neoral®). This preparation is more readily absorbed and has demonstrated more predictable and consistent pharmacokinetic characteristics when compared with Sandimmun® in single dose studies in normal healthy volunteers and in stable renal transplant patients. This pilot study is designed to investigate the potential of Neoral® to replace the need for intravenous Sandimmun® given from the day of transplantation. Pharmacokinetic studies performed on 3 occasions during the first postoperative week will provide information on the relative bioavailability of Neoral® as normal gut and liver function return. Additional clinical data will be collected to assess the short term tolerability, safety and efficacy of Neoral® when used as part of prophylactic immunosuppressive regimens in this unit. These data may be compared with those from matched historical controls and could form the initial basis for recommendations on the future use of Neoral® in liver transplantation.

3. Hepatic transplant success in respiratory chain defects.

The presence of mitochondrial respiratory chain defects in some infants and children presenting in fulminant liver failure is associated with a relentless neurological decline post-transplant resulting uniformly in death despite a normally-functioning transplant.

In order to rationalise the place of liver transplant in the treatment of children presenting with acute fulminant liver failure we are aiming to vigorously correct coagulopathy pre-transplant in order to carry out skeletal muscle biopsy - this, if positive for respiratory chain defects, would then act as an absolute contraindication to liver transplant.

OTHER RESEARCH EXPERIENCE:

Post: Clinical Research Fellow in Gastroenterology/ Cystic Fibrosis, Royal Children's Hospital Foundation, Brisbane. (January 1992 - May 1994).

Successful funding application in three consecutive years. This post enabled awareness of the practical problems of research in childhood and I had the opportunity to become statistics and computer-literate; set up, run, and analyse the results of clinical trials; and also had the opportunity to travel to and present at major international meetings and give numerous other presentations and lectures within a teaching and postgraduate framework.

Research Publications

Peer-reviewed original articles:

1. Diagnostic and therapeutic utility of double balloon enteroscopy in children. Urs A, Martinelli M, Rao P, Thomson M. *JPGN*. 2014;58(2):204-12.
2. Duodenal bulb histological analysis should be standard of care when evaluating celiac disease in children. Mansfield-Smith S, Savalagi V, Rao N, Thomson M, Cohen M. *Pediatric and Developmental Pathology*. 2014;17(5):339-43.
3. Acute upper gastrointestinal bleeding in childhood and endoscopic management: development of the Sheffield scoring system to predict the need for endoscopic intervention. Thomson M, Leton N, Belsha D. *JPGN*. 2014 Dec. Epub ahead of print.
4. Esomeprazole in the treatment of preterm gastro-oesophageal reflux: a study with pH-impedance and multi-functional physiological measurement. Davidson G, Wenzl TG, Thomson M, Omari T, Barker P, Lundborg P, Illueca M. *Journal of Pediatrics*. 2013(Sep);163(3):692-8.
5. A new method in the diagnosis of reflux esophagitis: confocal endomicroscopy. Venkatesh K, Cohen C, Abou-Taleb A, Thomas S, Taylor C, Thomson M. *Gastrointestinal Endoscopy*. 2012 ;75(4):864-9.
6. Graded compression and Power Doppler Ultrasonography versus Endoscopy to assess Paediatric Crohn's Disease activity before and after treatment. Thomson M, Rao P, Berger L, Chalkley S, Rawat D. *Journal of Pediatric Gastroenterology and Nutrition*. 2012;54(3):404-8.
7. The Provision of Paediatric Gastrointestinal Endoscopy Services in the United Kingdom - The Implications for Transition to Adult Gastroenterology Care. Muhammed R, Thomson M, McGrogan P, Beattie RM, Jenkins H R. *Frontline Gastroenterology*. 2012;3(4):263-6.
8. Idiopathic small bowel diaphragm disease identified by laparoscopic assisted double balloon enteroscopy in a child: an integrated successful definitive therapeutic method. Soccorso G, Sarkhy A, Urs A, Pensabene L, Torroni F, Al Adnani M, Lindley R, Marven S, Thomson M. *J Ped Surg*. 2012; 47:1622–5.
9. 20mm lithium button battery causing an oesophageal perforation in a toddler: lessons in diagnosis and treatment. Soccorso G, Grossman O, Marinelli M, Marven S, Patel K, Thomson M, Roberts J. *Archives of Disease in Childhood*. 2012;97:746-7.
10. Eosinophils in the oesophageal mucosa: clinical, pathological and epidemiological relevance in children: a cohort study. Cohen MC, Rao P, Thomson M, Al-Adnani M. *BMJ Open*. 2012 Jan 12;2(1):e000493. doi: 10.1136/bmjopen-2011-000493. Print 2012.

11. Percutaneous endoscopic gastrostomy and gastro-oesophageal reflux in neurologically impaired children. Thomson M, Rao P, Rawat D, Wenzl T. *World J Gastroenterol*. 2011;17(2):191-6.
12. Clinical Implications of Molecular Changes in Pediatric Barrett's Esophagus. Pensabene L, Cohen M, Thomson M. *Current Gastroenterology Rep*. 2012;14(3):253-61.
13. An antibody against IL-5 reduces numbers of esophageal intraepithelial eosinophils in children with eosinophilic esophagitis. Assa'ad A, Aceves S, Gupta S, Collins M, Thomson M, Heath A, Smith D, Perschy T, Jurgensen C, Ortega H. *Gastroenterology*. 2011;141(5):1593-604.
14. Molecular Abnormalities In Paediatric Barrett's Oesophagus: Can We Test For Neoplastic Progression? Cohen M, Sethuraman C, Dyson M, Thomson M, Maltby E. *Pediatric and Developmental Pathology*. 2010;13:310-17.
15. Clinical pathological and epidemiological features of pediatric eosinophilic esophagitis in the North of England. Cohen M, Rao P, Thomson M, Al-Adnani M. *Pediatric Pathology*. 2010.
16. Double balloon enteroscopy in paediatrics: diagnosis, treatment and safety. Thomson M, Venkatesh K, Elmalik K, van der Veer W, Jacobs M. *European Journal of Paediatrics*. 2010;16(1):E.
17. Role of confocal endomicroscopy in the diagnosis of celiac disease. Venkatesh K, Abou-Taleb A, Cohen M, Evans C, Thomas S, Oliver P, Taylor C, Thomson M. *Journal of Pediatric Gastroenterology and Nutrition*. 2010;51:274-9.
18. Pediatric Gastroesophageal Reflux Clinical Practice Guidelines: Joint Recommendations of NASPGHAN and ESPGHAN. Vandenplas Y, Rudolph C, Di Lorenzo C, Hassall E, Liptak G, Mazur L, Sondheimer J, Staiano A, Thomson M, Veereman-Wauters G, Wenzl T. *Journal of Pediatric Gastroenterology and Nutrition*. 2009;49(4):498-547.
19. The feasibility of wireless capsule endoscopy in detecting small intestinal pathology in children under the age of 8 years – Multicenter European Study. Fritscher-Ravens A, Scherbakov P, Bufler P, Torino F, Ruuska T, Nuutinen H, Thomson M, Tabbers M, Milla P. *Gut*. 2009;58:1467-1472; originally published online 21 Jul 2009;doi:10.1136/gut.2009.177774.
20. Pediatric Columnar Lined Esophagus vs Barrett's Esophagus: Is It the Time for a Consensus Definition? Cohen M, Ashok D, Gell M, Bishop J, Walker J, Thomson M, Al-Adnani M. *Pediatric and Developmental Pathology*. 2009;12:116-26.
21. DBE in children: diagnosis, treatment, and safety. Thomson M, Venkatesh K, Elmalik K, Trotter M, van der Veer W, Jacobs M. *World Journal of Gastroenterology*. 2010;16(1):56-62.

22. Feasibility of confocal endomicroscopy in the diagnosis of paediatric gastrointestinal disorders. Venkatesh K, Cohen M, Evans C, Delaney P, Thomas S, Taylor C, Abou-Taleb A, Kiesslich R, Thomson M. *World Journal of Gastroenterology*. 2009;15(18):2214-9.
23. Confocal chromoscopic endomicroscopy is superior to chromoscopy alone for the detection and characterisation of intraepithelial neoplasia in chronic ulcerative colitis. Hurlstone DP, Kiesslich R, Thomson M, Atkinson R, Cross SS. *Gut*. 2008 Feb;57(2):196-204.
24. In vivo real-time confocal laser scanning endomicroscopic colonoscopy for the detection and characterization of colorectal neoplasia. Hurlstone DP, Baraza W, Brown S, Thomson M, Tiffin N, Cross SS. *Br J Surg*. 2008;95(5):636-45.
25. Chromoscopic endomicroscopy: in vivo cellular resolution imaging of the colorectum. Smith L, Tiffin N, Thomson M, Cross S, Hurlstone D. *J Gastroenterol Hepatol*. 2008(7):1009-23.
26. Diagnosis and management of the first reported case of esophageal, gastric, and small-bowel heterotopia in the colon using confocal laser endomicroscopy. Venkatesh K, Cohen M, Akobeng A, Ashok D, Evans C, Howarth K, Taylor C, Thomson M. *Endoscopy*. 2008;40:E1.
27. Desquamative enteropathy and pyloric atresia without skin disease caused by a novel intracellular beta4 integrin mutation. Salvestrini C, Heuschkel RB, Thomson MA, Murch SH. *Journal of Pediatric Gastroenterology and Nutrition*. 2008;47(5):585-91.
28. Stress related mucosal disease in childhood appendicitis. Lansdale N, Hill R, Hancock S, Thomson M, Marven S. *Pediatric Surgery International*. 2008;24(11):1219-22.
29. Medium-term outcome of endoluminal gastroplication with the Endocinch device in children. Thomson M, Antao B, Hall S, Afzal N, Hurlstone P, Swain P, Fritscher-Ravens A. *J Pediatr Gastroenterol Nutr*. 2008;46:172-7.
30. In vivo confocal laser scanning chromo-endomicroscopy of colorectal neoplasia: changing the technological paradigm. Hurlstone D, Tiffin N, Brown S, Baraza W, Thomson M, Cross S. *Histopathology*. 2008;52(4):417-26.
31. Olympus Lucera high-resolution vascular ectasia mapping in combination with the type V crypt pattern for the invasive depth estimation and nodal disease estimation in Paris type II colorectal cancers: a comparative prospective analysis to 20 MHz ultrasound. Hurlstone D, Hunter Manders DS, Thomson M, Cross S. *J Clin Gastroenterol*. 2007;41(2):178-84.
32. Detection and treatment of early flat and depressed colorectal cancer using high-magnification chromoscopic colonoscopy: a change in paradigm for Western endoscopists? Hurlstone D, Sanders D, Thomson M. *Dig Dis Sci*. 2007;52(6):1387-93.
33. Clinical application and diagnostic yield of wireless capsule endoscopy in children.

Antao B, Bishop J, Shawis R, Thomson M. *J Laparoendosc Adv Surg Tech A*. 2007;17(3):364-70.

34. Confocal endomicroscopy in ulcerative colitis: differentiating dysplasia-associated lesion-like mass and adenoma-like mass. Hurlstone DP, Thomson M, Brown S, Tiffin N, Cross SS, Hunter MD. *Clin Gastroenterol Hepatol*. 2007;5(10):1235-41.

35. Infliximab delays but does not avoid the need for surgery in treatment-resistant pediatric Crohn's disease. Afzal N, Ozzard A, Keady S, Thomson M, Murch S, Heuschkel R. *Dig Dis Sci*. 2007;52(12):3329-33.

36. Omeprazole in the first two years of life for gastro-oesophageal reflux disease: a dose-finding study with dual-channel pH monitoring. Bishop J, Furman M, Thomson M. *J Pediatr Gastroenterol Nutr*. 2007;45(1):50-5.

37. Topical application of mitomycin-C in oesophageal strictures. Rosseneu S, Afzal N, Yerushalmi B, Ibaguen-Secchia E, Lewindon P, Cameron D, Mahler T, Schwatgen K, Kohler H, Lindley K, Thomson M. *J Pediatr Gastroenterol Nutr*. 2007;44(3):336-41.

38. Investigation of genomic instability in paediatric Barrett's oesophagus using laser microdissection on paraffin-embedded endoscopic biopsies. Cohen M, Bishop J, Walker J, Taylor C, Thomson M. *J Pediatr Gastroenterol Nutr*. 2007;45(1):44-9.

39. Pediatric ileocolonoscopy training: acquisition of endoscopic skill must be nurtured and objectively assessed within a formalised pediatric framework. Hinds R, Thomson M. *J Pediatr Gastroenterol Nutr*. 2007;45(1):1-2.

40. Polyethylene glycol 3350 plus electrolytes for chronic constipation in children: a double blind, placebo controlled, crossover study. Thomson M, Jenkins H, Bisset M, Heuschkel R, Kalra D, Green M, Wilson D, Geraint M. *Arch Dis Child*. 2007;92(11):996-1000.

41. Medium term safety and clinical efficacy of endoscopic fundoplication in relation to endoscopic fundoplication in children. Thomson M, Afzal N, Fritscher-Ravens A, Antao B. *J Laparosc and Advanced Surg Techniques*. 2007;17(3):371-3.

42. Massive gastrointestinal haemorrhage in isolated intestinal Henoch-Schonlein purpura with response to intravenous immunoglobulin infusion. A Fagbemi, F Torrente, A Hilson, M Thomson, R Heuschkel, S Murch. *Eur J Pediatr*. 2007;166(9):915-9.

43. Effect of an amino acid-based milk Neocate on gastro-oesophageal reflux in infants assessed by combined intraluminal impedance/pH. Thomson M, Wenzl TG, Fox AT, Del Buono R. *Pediatric Asthma, Allergy & Immunology*. 2007;19(4):33-5.

44. Wireless Capsule Endoscopy in Children: A Study to Assess Diagnostic Yield in Small Bowel Disease in Paediatric Patients. Thomson M, Fritscher-Ravens A, Mylonaki M, Swain P, Eltumi M, Heuschkel R, Murch S, McAlindon M, Furman M. *J Ped Gastroenterol Nutr*. 2007;44(1):1-6.

45. Endoscopic mucosal resection for flat neoplasia in chronic ulcerative colitis: can we change the endoscopic management paradigm? Hurlstone D, Sanders D, Atkinson R, Hunter M, McAlindon M, Lobo A, Cross S, Thomson M. *Gut*. 2007;56(6):838-46.
46. Systemic vasculitis: a cause of indeterminate intestinal inflammation. Brogan P, Malik M, Shah N, Kilday J, Ramsay A, Shah V, Murch S, Thomson M, Walker-Smith J, Lindley K, Milla P Dillon MJ. *J Pediatr Gastroenterol Nutr*. 2006;42(4):405-15.
47. High Magnification Chromoscopic Colonoscopy in Ulcerative Colitis: a valid in vivo optical biopsy tool for in vivo optical biopsy and assessment of disease extent.. Hurlstone D, Sanders D, McAllindon M, Thomson M, Cross S. *Endoscopy*. 2006;38(12):1213-7.
48. Percutaneous endoscopic gastrostomy and gastro-oesophageal reflux in neurologically impaired children. Thomson M, Wenzl T, Rawat, Ball G, Heuschke R, Del Buono R. *J Ped Gastroenterol Nutr*. 2006;43(3):331-5.
49. The acquisition of competence in paediatric ileo-colonoscopy with virtual endoscopy training. Thomson M, Heuschkel R, Murch S, Donaldson N, Hinds R. *J Ped Gastroenterol Nutr*. 2006;43(5):699-701.
50. "Salvage" endoscopic mucosal resection in the colon using a retroflexion gastroscope dissection technique: a prospective analysis. Hurlstone DP, Sanders DS, Thomson M, Cross SS. *Endoscopy*. 2006(Sep);38(9):902-6.
51. Systemic vasculitis: a cause of indeterminate intestinal inflammation. Brogan P, Malik M, Shah N, Kilday J, Ramsay A, Shah V, Murch S, Thomson M, Walker-Smith JA, Lindley KJ, Milla P, Dillon. *J Ped Gastroenterol Nutr*. 2006;42(4):405-15.
52. Acid and non-acid gastro-oesophageal reflux in neurologically impaired children: Investigation with the multiple intraluminal impedance procedure. R Del Buono, TG Wenzl, D Rawat, M Thomson. *J Ped Gastroenterol Nutr*. 2006;43(3):331-5.
53. Long polar fimbriae and tissue tropism in *Escherichia coli* O157:H7. Fitzhenry R, Dahan S, Torres A, Chong Y, Heuschkel R, Murch S, Thomson M, Kaper J, Frankel G, Phillips A. *Microbes and Infection*. 2006;8(7):1741-9.
54. Colonic And Duodenal Flat Adenomas In Children With Classical Familial Adenomatous Polyposis. Cohen M, Taylor C, Thomson M, Donatone J, Quijano G, Drut R. *J Internat Surg Pathol*. 2006;14(2):133-40.
55. Salvage" endoscopic mucosal resection in the colon using a retroflexion gastroscope dissection technique: a prospective analysis. Hurlstone DP, Sanders DS, Thomson M, Cross SS. *Endoscopy*. 2006(Sep);38(9):902-6.
56. Long polar fimbriae and tissue tropism in *Escherichia coli* O157:H7. Fitzhenry R, Dahan S, Torres A, Chong Y, Heuschkel R, Murch S, Thomson M, Kaper J, Frankel G, Phillips A. *Microbes and Infection*. 2006;8(7):1741-9.

57. Systemic vasculitis: a cause of indeterminate intestinal inflammation. Brogan PA, Malik M, Shah N, Kilday JP, Ramsay A, Shah V, Murch SH, Thomson MA, Walker-Smith JA, Lindley KJ, Milla PJ, Dillon MJ. *J Ped Gastroenterol Nutr.* 2006;42(4):405-415.
58. Acid and non-acid gastro-oesophageal reflux in neurologically impaired children: Investigation with the Multiple Intraluminal Impedance Procedure. Del Buono R, Wenzl T, Rawat D, Thomson M. *J Ped Gastroenterol Nutr.* 2006;43(3):331-335.
59. Colonic And Duodenal Flat Adenomas In Children With Classical Familial Adenomatous Polyposis. Cohen M, Taylor C, Thomson M, Donatone J, Quijano G, Drut R. *J Internat Surg Pathol.* 2006;14(2):133-40.
60. Improved nutritional recovery on an elemental diet in Zambian children with persistent diarrhoea and malnutrition. Amadi B, Mwiya M, Chomba E, Thomson M, Chintu C, Kelly P, Walker-Smith J. *J Trop Pediatr.* 2005 Feb;51(1):5-10.
61. The Influence of Gaviscon Infant or placebo on gastro-oesophageal reflux in infants: Investigations with the Intraluminal Multiple Electrical Impedance Procedure (IMP). Del Buono R, Wenzl T, Ball G, Keady S, Thomson M. *Arch Dis Child.* 2005;90(5):460-3.
62. Antibody prophylaxis for children undergoing percutaneous endoscopic gastrostomy. Rawat D, Srivistava A, Thomson M. *J Paediatr Gastroenterol Nutr.* 2005 Feb;40(2):234-5.
63. Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease. Thomson M, Fritscher-Ravens A, Afsal N, Hall S, Swain P. *Gut.* 2004;53(12):1745-50.
64. Early interactions of *Salmonella enterica* serovar typhimurium with human small intestinal epithelial explants. Haque A, Bowe F, Fitzhenry RJ, Frankel G, Thomson M, Heuschkel R, Murch S, Stevens MP, Wallis TS, Phillips AD, Dougan G. *Gut.* 2004;53(10):1424-30.
65. Spontaneous TH1 cytokine production by intraepithelial but not circulating T cells in infants with or without food allergies. Pérez-Machado M, Ashwood P, Torrente F, Salvestrini C, Sim R, Thomson M, Walker-Smith J, Murch S. *Allergy.* 2004;59:346-53.
66. Diagnostic role of upper gastrointestinal endoscopy in pediatric inflammatory bowel disease. Castellaneta SP, Afzal NA, Greenberg M, Deere H, Davies S, Murch SH, Walker-Smith JA, Thomson M. *J Pediatr Gastroenterol Nutr.* 2004;39(3):257-61.
67. Focal-enhanced gastritis in regressive autism with features distinct from Crohn's and *Helicobacter pylori* gastritis. Torrente F, Anthony A, Heuschkel RB, Thomson MA, Ashwood P, Murch SH. *Am J Gastroenterol.* 2004;99(4):598-605.
68. High dose azathioprine in children with IBD. Fuentes D, Torrente F, Keady S, Thirrupathy K, Thomson MA, Walker-Smith JA, Murch SH, Heuschkel RB. *Alimentary Pharmacology and Therapeutics.* 2003;17:913-21.

69. Use of unlicensed and off-label medications in paediatric gastroenterology with a review of the commonly used formularies in the UK. A Dick, S Keady, F Mohamed, S Brayley, M Thomson, BW Lloyd, R Heuschkel, NA Afzal. *Alimentary Pharmacology and Therapeutics*. 2003; 17: 1–5.
70. Human intestinal tissue tropism of intimin epsilon O103 Escherichia coli. Fitzhenry R, Stephens M, Jenkins C, Wallis T, Heuschkel R, Murch S, Thomson M, Frankel G, Phillips A. *FEMS Microbiology*. 2003.
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1. Yorkshire Paediatric Society Meeting, November 1989:
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"Body composition and pulmonary dysfunction in cystic fibrosis. Evidence for a relationship between malnutrition and progressive pulmonary disease".
 3. XV International Congress in Nutrition, Appropriate Technology in Body Composition, Melbourne, October 1993:
"The body cell mass and altered protein energy metabolism in cystic fibrosis".
 4. Eighth Annual North American Cystic Fibrosis Conference in Dallas, October 1993:
"A case of allergic broncho-pulmonary aspergillosis with cavitating lung lesions".
 5. Eighth Annual North American Cystic Fibrosis Conference in Dallas, October 1993:
"The body cell mass and altered protein energy metabolism in cystic fibrosis".
 6. Eighth Annual North American Cystic Fibrosis Conference in Dallas, October 1993:
"Nutritional growth retardation is associated with defective lung growth in cystic fibrosis: a preventable determinant of progressive pulmonary dysfunction".
 7. Australian Society of Enteral and Parenteral Nutrition, 29-30th April 1994 :
"Measured vs predicted resting energy expenditure in infants: a need for reappraisal".
- Winner of "Best Research" Prize.
8. Australian Paediatric Association Meeting, May 1994:
"Measured vs predicted resting energy expenditure in infants:a need for reappraisal".
 9. Ninth North American CF Conference, Orlando, Florida, 20th-23rd October 1994 :
"Measuring individual energy requirement in CF infants: inaccuracy of predictive equations and validation of heart rate monitoring."
 10. British Association for Parenteral and Enteral Nutrition 6th-8th December 1994.
"Measuring individual energy requirement in CF infants: inaccuracy of predictive equations and validation of heart rate monitoring."
 11. British Society for Paediatric Gastroenterology and Nutrition. 20th January 1995.

"Elevated risk of infection with *Helicobacter pylori* in staff and residents of a residential care facility."

12. British Paediatric Association. 21st - 24th March 1995.

"Elevated risk of infection with *Helicobacter pylori* in staff and residents of a residential care facility."

13. British Paediatric Association. 21st - 24th March 1995. Plenary session.

"Orthotopic liver transplantation is unsuccessful for valproate-associated liver failure in childhood: a need for critical risk-benefit appraisal in the use of valproate."

14. European Society of Paediatric Gastroenterology and Nutrition. 10th May 1995.

"Orthotopic liver transplantation is unsuccessful for valproate-associated liver failure in childhood: a need for critical risk-benefit appraisal in the use of valproate."

15. Midland Gastroenterology Society. 23rd June 1995.

"Elevated risk of infection with *Helicobacter pylori* in staff and residents of a residential care facility."

16. European Society of Paediatric Gastroenterology and Nutrition Summer School. 3rd-7th July 1995.

"Case presentation: liver transplantation in a case of cytochrome oxidase deficiency."

17. Joint Congress on Liver Transplantation. 28th September 1995.

"Generalised mitochondrial cytopathy is an absolute contraindication to orthotopic liver transplant in childhood."

18. 1995 North American Cystic Fibrosis Conference. 12th-15th October 1995.

"Raised resting energy expenditure in cystic fibrosis is due to the inherent gene defect."

19. The Second Royal Free Hospital Combined Medical/Surgical GI Masterclass - "The Foregut". 2nd November 1995.

"State of the art lecture: The Paediatric Foregut".

20. British Association of Parenteral and Enteral Nutrition. 4th-6th December 1995.

"Factors affecting nutrition in early CF: resting energy expenditure, pulmonary inflammatory markers, body composition, and genotype in a neonatally-screened population."

21. British Paediatric Association. 16th-19th April 1996.

"Factors affecting nutrition in early CF: resting energy expenditure, pulmonary inflammatory markers, body composition and genotype in a neonatally-screened population".

22. British Paediatric Association. 16th-19th April 1996.

“Pharmacodynamic/pharmacokinetic profiles of a new water-miscible preparation of cyclosporin for immunosuppression immediately following orthotopic liver transplant.”

23. European Society of Paediatric Gastroenterology and Nutrition. 8th June 1996. “Exclusion of generalised mitochondrial cytopathy before liver transplant in fulminant hepatic failure”.

24. 5th Congress of the Asian PanPacific Society of Pediatric Gastroenterology and Nutrition. 10th April 1997. “Immunological characteristics of reflux oesophagitis - is there a recognizable pattern?”

25. British Society for Paediatric Gastroenterology and Nutrition. 25th January 1998. “Are endoscopic biopsies of small bowel as good as suction biopsies for the diagnosis of enteropathy?”

26. Royal College of Paediatrics and Child Health 4th Meeting York. 11th April 2000. “Upper gastrointestinal tract involvement in children with inflammatory bowel disease: incidence, localisation and contribution to diagnosis.”

27. International Food Allergy Symposium. Regent’s College, London. 2nd May 2000. “Allergic oesophagitis”.

28. Invited Lecture. British Dermatology Annual Meeting, Portsmouth. 19th May 2000. “The emerging face of paediatric gastroenterology”.

29. Invited Guest Lecture. Italian Society of Gastroenterology. “Endoscopy in childhood IBD”. Bari, Italy. 27th Oct 2000.

30. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Southampton. 15th Sep 2002.

31. Fifth International Biopolymer Conference. Intraluminal impedance technique – application to paediatric gastro-oesophageal reflux. Thomson M, Wenzl T, DelBuono R. Sep 2001.

32. Barnet Hospital Invited Guest Lecture. GOR: diagnosis and management in childhood. 25th Sep 2001.

33. Royal Free Grand Round. A new treatment for oesophageal strictures. 3rd Oct 2001.

34. BSPGHAN Winter Meeting. A new treatment for caustic oesophageal strictures. London Jan 2002.

35. Invited Guest Lecture. Endoscopic fundoplication. 6th Foregut Masterclass in Adult Gastroenterology. Royal Free Hospital. Jan 2002.
36. Invited Guest Lecture. St Mary's Hospital, London. 25th Feb 2002. Inflammatory bowel disease in childhood.
37. Invited Guest Lecture. Endoscopy in childhood. National OPD Sister's Meeting. London. 13th April 2002.
38. RCPCH Annual Spring Meeting. Intraluminal impedance assessment in the neurologically compromised child. York. 16th April 2002.
39. ESPGHAN 35th Annual Meeting. A new treatment for caustic oesophageal strictures. Taormina, Sicily. 12th June 2002.
40. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Dublin. 7th March 2002.
41. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Bolton. 15th May 2002.
42. Invited Guest Lecture. Intraluminal impedance in infant GOR. Reckitt Benckiser Symposium. Hull 9th May 2002.
43. Grand Round Royal Free Hospital. Intraluminal impedance and Gaviscon Infant in infant GOR. Royal Free Hospital. 12th June 2002.
44. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Southampton. 13th June 2002.
45. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Royal London Adult Gastroenterology Grand Round. Royal London Hospital. 13th June 2002.
46. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. London. 28th June 2002.
47. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Edinburgh. 28th October 2002.
48. 13th Annual Paediatric Gastroenterology Course. GOR and respiratory disease: causative or fellow travellers. Royal Free Hospital. 3rd December 2002.
49. BSPGHAN Winter Meeting. Antibiotic prophylaxis for PEG placement in paediatrics. Dublin 24th January 2003.

50. BSPGHAN Winter Meeting. Wireless capsule endoscopy in paediatric GI investigation. Dublin 24th January 2003.
51. Grand Round Royal Free Hospital. Wireless capsule endoscopy in paediatric GI investigation. January 29th 2003.
52. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Percutaneous gastrostomy – theory.
53. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Endoscopic aspects of GOR.
54. South American Paediatric Gastroenterology Meeting, Brazil April 2003. PEGs – practical aspects.
55. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Barrett’s oesophagus in children.
56. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Endoscopic anti-reflux procedures in children.
57. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Endoscopy in IBD in children.
58. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Wireless capsule endoscopy in childhood.
59. South American Paediatric Gastroenterology Meeting, Brazil April 2003. Allergic oesophagitis in infancy.
60. Tenth Colon Masterclass Royal Free. January, 2003. Paediatric IBD: modern endoscopic aspects.
61. S African GI Masterclass, Cape Town. 18th February 2003. Gastro-oesophageal reflux in infants and children.
62. S African GI Masterclass, Cape Town. 18th February 2003. Recurrent abdominal pain in children revisited.
63. Paediatric GI allergy meeting, SHS, Royal College of Physicians, London. 2nd March 2003. Allergic oesophagitis.
64. Dublin Children’s Hospital Grand Round. 11th March 2003. Paediatric endoscopic anti-reflux procedures.
65. British Society of Gastroenterology. Birmingham. 25th March 2003. Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease.

66. Laryngopharyngeal Reflux Symposium. Nottingham. 1st April 2003. Intraluminal oesophageal impedance and LPR in children.
67. Royal College of Paediatrics and Child Health Spring Meeting. York. 8th April 2003. The Vomiting Baby: Personal Practice Session.
68. Royal College of Paediatrics and Child Health Spring Meeting. York. 8th April 2003. Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease.
69. ENT Invited Lecture. Great Ormond Street Hospital. London. 29th April 2003. LPR, ENT, and GOR: Advances.
70. Royal Free Annual GP Seminar on Medical Advances. 29th April 2003. Recurrent abdominal pain in children revisited.
71. Royal Free Annual GP Seminar on Medical Advances. 29th April 2003. GOR in infants and children.
72. British-Italian Paediatric Gastroenterology Meeting. Lucca, Italy. 9th May 2003. Paediatric Endoscopy Today and Tomorrow.
73. American Society of Gastrointestinal Endoscopy. Florida. 21st May 2003. Oral distinction presentation: Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease.
74. European Society of Paediatric Gastroenterology Hepatology and Nutrition. Prague. 7th June 2003. Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease..
75. GP Endoscopist Annual Meeting. Brussels. 14th June 2003. Paediatric Endoscopy Today.
76. Nottingham Queen's Hospital Grand Round. 26th June 2003. Paediatric Endoscopy Today and Tomorrow.
77. Kingston Hospital Grand Round. 7th July 2003. GOR advances in paediatrics.
78. European Oesophageal Conference. 2nd September 2003. Paris. Endoscopic fundoplication for paediatric gastro-oesophageal reflux.
79. Foregut Masterclass. Royal Free Hospital. 15th Jan 2004. Advances in Diagnosis in GOR.
80. Foregut Masterclass. Royal Free Hospital. 15th Jan 2004. Endoscopic treatment for GORD.

81. Middlesex SpR gastroenterology meeting training day. 29th Jan 2004. Paediatric manifestations of GORD.
82. First Wireless Capsule UK Group Meeting. 30th Jan 2004. WCE for children.
83. BSG. 22nd March 2004. Endoscopic fundoplication for paediatric GORD.
84. Royal Society of Medicine, Paediatric Gastroenterology day. 27th April 2004. Advances in paediatric endoscopy.
85. British Paediatric Otolaryngology Course, Institute of Child Health. 14th May 2004. Advances in paediatric GORD.
86. American Society of Gastrointestinal Endoscopy. Invited Lecture. 16th May 2004. Advances in the endoscopic treatment of strictures.
87. 6th International Laryngopharyngeal Conference. 19th May 2004. Paediatric manifestations of GOR and the use of intraluminal impedance.
88. 2nd World Congress of Paediatric Gastroenterology, Paris. 3rd July 2004. Post-graduate Course. Endoscopic polyp therapy.
89. Annual Belgian Paediatric Gastroenterology Meeting. 26th November 2004. Advances in paediatric endoscopy.
90. 15th Annual Paediatric Gastroenterology Course. 29th November 2004. GORD and intraluminal oesophageal impedance.
91. 6th Annual Masterclass in Paediatric Endoscopy. 1st December 2004. Training in paediatric endoscopy.
92. 6th Annual Masterclass in Paediatric Endoscopy. 2nd December 2004. Advanced management of strictures by endoscopy in childhood.
93. Winter meeting BSPGHAN. 28th January 2005. Advances in endoscopic management of GI strictures.
94. First Controversies in Paediatric Gastroenterology and Hepatology Meeting. Birmingham. 4th February 2005. Endoscopic management of oesophageal reflux disease.
95. Trent Paediatric Combined Meeting. Invited lecture. 10th February 2005. Advances in paediatric gastro-oesophageal reflux.
96. BSG. Birmingham. Invited Lecture. 14th March 2005. Endoscopic Management of gastro-oesophageal reflux.

97. 7th International Laryngopharyngeal Conference. York. 6th April 2005. Recent advances in gastro-oesophageal reflux in paediatrics.
98. 7th International Laryngopharyngeal Conference. York. 7th April 2005. Impedance in gastro-oesophageal reflux in children.
99. American Society of Gastrointestinal Endoscopy. Chicago. 17th May 2005. Endoscopic management of GORD in children.
100. ESPGHAN Annual meeting. Porto. Post-graduate Course. 2nd June 2005. Advances in paediatric therapeutic endoscopy.
101. Paediatric Gastro Club Meeting, Midlands. 27th September 2005. Invited Lecture. Recurrent Abdominal Pain of Childhood.
102. SHS Paediatric Allergy Study Day, London. 21st September 2005. Intraluminal Impedance in Childhood Reflux Disease.
103. Inaugural Paediatric Hands-On Colonoscopy Course. Six Lectures. 19th-20th September 2005. Sheffield Children's Hospital.
104. Reflux Symposium, Mead Johnson. Bury. 5th July 2005. Update on GOR in childhood.
105. First Northern Ireland Paediatric Allergy Study Day. 10th June 2005. Allergic reflux and GI diseases in childhood.
106. Trainee GI Meeting, Nottingham. 10th July 2005. Advances in paediatric endoscopy.
107. Bassetlaw Grand Round. 17th June 2005. Recurrent Abdominal Pain.
108. North West Paediatric GI Trainee Meeting. 7th October 2005. Achalasia.
109. Chesterfield Grand Round. 12th October 2005. Chronic diarrhoea in childhood.
110. United European Gastroenterology Week. Copenhagen. 18th October 2005. Invited Lecture: Allergic and eosinophilic oesophagitis.
111. United European Gastroenterology Week. Copenhagen. 18th October 2005. Invited Lecture: Lower GI endoscopy in children.
112. Invited Lecture to Combined Paediatric Group of Sheffield Paediatric Consultants. 19th October 2005. Gastro-oesophageal reflux in children.

113. Conjoint North-West Paediatric Gastroenterology Trainee Training Meeting. 19th October 2005. Gastrointestinal Endoscopy in Paediatrics.
114. Invited Lecture: 24th Brazilian Paediatric Gastroenterology Week. Port Allegre, Brazil. 3rd November 2005. Eosinophilic oesophagits.
115. Invited Lecture: 24th Brazilian Paediatric Gastroenterology Week. Port Allegre, Brazil. 3rd November 2005. Interventional paediatric endoscopy.
116. Invited Lecture: 24th Brazilian Paediatric Gastroenterology Week. Port Allegre, Brazil. 5th November 2005. Advances in Paediatric Endoscopy.
117. Invited Lecture: 24th Brazilian Paediatric Gastroenterology Week. Port Allegre, Brazil. 5th November 2005. Gastro-oesophageal reflux in children.
118. Invited Lecture: 24th Brazilian Paediatric Gastroenterology Week. Port Allegre, Brazil. 5th November 2005. Peptic ulcer disease in children.
119. Invited Lecture: Second European Wireless Capsule Castle Course. 18th November 2005. Paediatric applications of the wireless capsule endoscopy technique.
120. Invited Lecture: Second International Paediatric Endoscopy Course. Al Mansour, Eqypt. 19th November 2005. Advances in Paediatric Endoscopy.
121. Invited Lecture: Second International Paediatric Endoscopy Course. Al Mansour, Eqypt. 19th November 2005. Endoscopic treatment of gastro-oesophageal reflux.
122. Invited Lecture: Second International Paediatric Endoscopy Course. Al Mansour, Eqypt. 19th November 2005. Endoscopy in paediatric inflammatory bowel disease.
123. Invited Lecture: Second International Paediatric Endoscopy Course. Al Mansour, Eqypt. 19th November 2005. Allergic manifestations of paediatric GI disease.
124. Invited Lecture: SHS symposium. York. 25th November 2005. Allergic reflux and other GI allergic diseases.
125. Invited Lecture: Royal Free 8th Masterclass in Live Paediatric Endoscopy. Diabetes, coagulopathy, and antibiotic prophylaxis in paediatric endoscopy.
126. Invited Lecture: Royal Free 8th Masterclass in Live Paediatric Endoscopy. Advances in paediatric endoscopy.

127. Invited Lecture: Royal Free 8th Masterclass in Live Paediatric Endoscopy. Algorithms in paediatric endoscopy.
128. Invited Lecture: Royal Free 8th Masterclass in Live Paediatric Endoscopy. Paediatric Barrett's oesophagus.
129. Invited Lecture: SHS symposium. London. 9th December 2005. Allergic reflux and other GI allergic diseases.
130. First Hands-On Endoscopic Fundoplication Course. Sheffield. 9th January 2006. Endoscopic fundoplication in paediatric practice.
131. Invited Lecture. Inflammatory Bowel Disease Advances Symposium. Newcastle. 18th January 2006. The place of wireless capsule endoscopy in inflammatory bowel disease management.
132. Winter meeting of BSPGHAN. Newcastle 19th January 2006. Place of virtual training in paediatric colonoscopy training.
133. First Hands On Paediatric Endotherapeutic Course. 6th February 2006. Polypectomy and endomucosal resection techniques and pitfalls.
134. First Hands On Paediatric Endotherapeutic Course. 6th February 2006. Stricture and achalasia endo-therapy.
135. First Hands On Paediatric Endotherapeutic Course. 6th February 2006. Practical use of pneumatic balloon devices.
136. First Hands On Paediatric Endotherapeutic Course. 6th February 2006. Variceal and non-variceal endotherapy.
137. First Hands On Paediatric Endotherapeutic Course. 6th February 2006. Advances in Paediatric Endotherapy.
138. 4th Bill Owen Surgical Symposium. Invited Lecture. Royal College of Surgeons. 2nd March 2006. Minimally invasive anti-reflux procedures in childhood.
139. Otolaryngology in the 21st Century. ENT section of Royal Society of Medicine. Invited Lecture. 3rd March 2006. Advances in GOR and LPR.
- 140-6. Second Paediatric Hands-On Colonoscopy Course. Six Lectures. 6th-7th March 2006. Sheffield Children's Hospital.
147. BSG. Keynote Lecture. Birmingham. 22nd March 2006. Advances in paediatric reflux diagnosis.

148. First Intraluminal Impedance Meeting. Invited Lecture. Birmingham. 30th March 2006. Paediatric state-of-the-art impedance analysis: experience to date.
149. Second European Castle Wireless Capsule Hands-On Course. Invited Lecture. 7th April 2006. WCE in children.
150. Barnsley DGH Grand Round. Invited Lecture. 18th April 2006. Diarrhoea that goes on.
151. Sheffield adult-paediatric GI Grand Round. 21st April 2006. State of the art in intraluminal impedance reflux analysis.
152. Mead-Johnson Education Meeting. Crewe. 3rd May 2006. Advances in paediatric GORD.
153. SCH Grand Round. 4th May 2006. Helicobacter pylori and gastric adenocarcinoma.
154. Neonatal Grand Round. Jessop's, Sheffield. 12th May 2006. Esomeprazole and neonatal reflux: analysis with impedance and video-cardio-respiratory analysis.
155. ESPGHAN. Dresden. 8th June 2006. 36 month follow up of endoscopic fundoplication in children.
156. ESPGHAN. Dresden. 9th June 2006. Virtual model training in paediatric colonoscopy.
157. EACCI. Vienna. Invited Lecture. 12th June 2006. GOR and rhino-sinusitis: Pro.
158. European CF Meeting. Copenhagen. Invited Lecture. 17th June 2006. Endoscopic approaches to reflux management in cystic fibrosis.
- 159-164. Third Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 19th-20th June 2006.
- 165-170. Fourth Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 3rd-4th July 2006.
171. North Trent Regional Training Day: Live GI Endoscopy. Hallamshire Hospital, Sheffield. 28th June 2006. Endoscopic anti-reflux procedures.
172. Sheffield Feeding Course. Ryegate Hospital. Invited Lecture. 5th July 2006. Recent advances in GOR in childhood and relevance to the feeding process.
173. Annual GI Allergy Meeting, SHS, British Institute of Architects, London. 17th August 2006. Update on allergic GORD.

- 174-7. Fifth Hands-On Paediatric Colonoscopy Course. Four lectures. Sheffield. 18th-19th September 2006.
178. Third Paediatric GI Symposium. Great Ormond Street Children's Hospital, London. 22nd September 2006. Helicobacter pylori in childhood.
179. Annual General Meeting, Sheffield Children's Hospital. 26th September 2006. Paediatric Endoscopy in the 21st Century.
- 180-85. Sixth Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 2nd-3rd October 2006.
186. Birmingham Children's Hospital Grand Round. 18th October 2006. Advances in paediatric endoscopic diagnostics and therapeutics.
187. Doncaster DGH. 20th October 2006. Recurrent abdominal pain of childhood.
188. United European Gastroenterology Week. Invited Speaker. 24th October 2006. Eosinophilic esophagitis.
189. Indo-British Paediatric GI Inaugural Meeting. 26th October 2006. Advanced Paediatric diagnostic and therapeutic endoscopy in childhood.
190. Hungarian Paediatric Gastroenterology Conference. 10th-11th November 2006. Endoscopic approaches to reflux in paediatrics.
191. Hungarian Paediatric Gastroenterology Conference. 10th-11th November 2006. Advanced endo-diagnostic techniques in children.
192. Sheffield Community Paediatric Teaching Programme. 15th November 2006. Common paediatric GI conditions.
193. Fourth Basic Wireless Capsule Endoscopy Course. Durham. 16th November 2006. WCE in paediatrics.
194. First European Wireless Capsule Endoscopy Course. Durham. 18th November 2006. Advanced WCE in paediatrics.
195. Allergic GI conditions in Childhood: Chairman for Workshop and lecture day. Nottingham. 21st November 2006. GI allergic manifestations.
196. Allergic GI conditions in Childhood: Chairman for Workshop and lecture day. Nottingham. 21st November 2006. Allergic GI case presentations and workshop.
197. Ninth Masterclass in Modern Paediatric Endoscopy. 27th-30th November 2006. Chairman and lecture on: Endoscopic images, description and lesion recognition.

198. Ninth Masterclass in Modern Paediatric Endoscopy. 27th-30th November 2006. Chairman and lecture on: The theory of loops in colonoscopy and practical solutions.
199. Ninth Masterclass in Modern Paediatric Endoscopy. 27th-30th November 2006. Wireless capsule endoscopy in young children?
200. Ninth Masterclass in Modern Paediatric Endoscopy. 27th-30th November 2006. Advanced diagnostic procedures in children's endoscopy.
201. Ninth Masterclass in Modern Paediatric Endoscopy. 27th-30th November 2006. Paediatric Endoscopic Exam with Explanations.
202. Edinburgh Children's Hospital GI Course. 7th December 2006. Gastro-oesophageal reflux in childhood: an update and endoscopic management potential.
203. Sheffield Children's Hospital Grand Round. 21st December 2006. Childhood: A New Syndrome.
204. Royal Society of Medicine Meeting on Paediatric Gastro-oesophageal Reflux. 11th January 2007. Manifestations of GORD in the older child.
205. Royal Society of Medicine Meeting on Paediatric Gastro-oesophageal Reflux. 11th January 2007. Medical therapeutic options for paediatric gastro-oesophageal reflux.
- 206-11. Seventh Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 5th-6th February 2007.
212. Annual Meeting of British Society of Paediatric Gastroenterology Hepatology and Nutrition. 7th February 2007. New horizons in paediatric GI endoscopy: a gastroenterologist's perspective.
213. German Wireless Capsule Endoscopy Annual Meeting. 18th February 2007. Wireless capsule endoscopy in children.
214. Kuwait Paediatric Gastroenterology Meeting. 7th March 2007. Advances in diagnosis and treatment of paediatric gastro-oesophageal reflux.
215. Kuwait Paediatric Gastroenterology Meeting. 7th March 2007. Advanced paediatric diagnostic and therapeutic GI endoscopy.
216. Kuwait Paediatric Gastroenterology Meeting. 8th March 2007. Eosinophilic oesophagitis in children.
217. Kuwait Paediatric Gastroenterology Meeting. 8th March 2007. Wireless capsule endoscopy in paediatrics.

218. Cambridge Paediatric GI Meeting. 14th March 2007. New endoscopic approaches to GI bleeding.
219. German Paediatric Gastroenterology Annual Meeting Keynote Lecture. 16th March 2007. Endoscopic approaches to GORD in children.
- 220-5. Eighth Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 2nd-3rd April 2007.
226. Trans-Pennine Cystic Fibrosis Meeting. 1st May 2007. Endoscopic fundoplication in paediatric cystic fibrosis-associated GORD.
- 227-32. Ninth Hands-On Paediatric Colonoscopy Course. Six lectures. Sheffield. 14th-15th May 2007.
233. ESPGHAN Annual Meeting. Barcelona. 6th June 2007. Advances in paediatric GI diagnostic endoscopy.
234. Sheffield Community Paediatric Teaching. 20th June 2007. Recurrent abdominal pain of childhood.
235. Merseyside Gastroenterology Endoscopy Advances Meeting. 21st June 2007. Confocal endomicroscopy and advances in paediatric endoscopy.
236. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 2nd July 2007. Ileo-Colonoscopy: indications, contraindications and basic skills: preparation, anticoagulation, antibiotics, and diabetes.
237. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 2nd July 2007. New diagnoses in the paediatric colon.
238. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 3rd July 2007. Chromoendoscopy and narrow band imaging.
239. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 3rd July 2007. Confocal endo-microscopy: paediatric applications.
240. First ESPGHAN European Wireless Capsule Paediatric Endoscopy Meeting. Lumley Castle, UK. 4th July 2007. Wireless capsule in children.
241. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 5th July 2007. Strictures, achalasia, and endo-dilation techniques.
242. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 5th July 2007. Variceal and non-variceal bleeding.

243. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 5th July 2007. Endoscopic anti-reflux therapy.
244. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 6th July 2007. Barrett's oesophagus and endoscopy in children.
245. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 6th July 2007. Enteroscopy and double balloon enteroscopy in children.
246. First ESPGHAN European Paediatric Endoscopy Meeting. Lumley Castle, UK. 6th July 2007. Advances in paediatric endoscopy: the future.
- 247-52. Eighth Paediatric Hands-On Colonoscopy Course. Six Lectures. 6th-7th August 2007. Sheffield Children's Hospital.
253. National Clinical Network Meeting: Gastroenterology and Hepatology for professionals. King's College Hospital, London. 5th September 2007. Paediatric endoscopic clinical managed networks: can they work?
254. First International Confocal Endomicroscopy Meeting. Hallamshire Hospital, Sheffield. 12th September 2007. Confocal endomicroscopic applications in children.
- 255-61. Second Paediatric Hands-On Colonoscopy Course for Consultants. Six Lectures. 17th-18th September 2007. Sheffield Children's Hospital.
262. 5th Manchester UK Paediatric Gastroenterology Meeting. Manchester. 4th October 2007. Persistent vomiting in childhood.
263. 5th Manchester UK Paediatric Gastroenterology Meeting. Manchester. 4th October 2007. Eosinophilic oesophagitis.
- 264-70. Ninth Paediatric Hands-On Colonoscopy Course. Six Lectures. 6th-7th November 2007. Sheffield Children's Hospital.
271. 15th Paediatric Gastro-endoscopic meeting. Royal Free Hospital, London. 28th November 2007. Endoscopic anti-reflux procedures: do they work?
272. 15th Paediatric Gastroendoscopic meeting. Royal Free Hospital, London. 28th November 2007. Appropriate use of endoscopic snares and balloons in paediatrics.
273. St George's 5th Paediatric Gastroenterology Meeting. 4th December 2007. New advances in gastro-oesophageal reflux management.
274. Grand Round. CDX2 and confocal endoscopy: from poo to plasma via laser. 10th January 2008. Sheffield Children's Hospital.

275-80. Tenth Paediatric Hands-On Colonoscopy Course. Six Lectures. 14th-15th January 2008. Sheffield Children's Hospital.

281. Paediatric Anaesthetic Lecture: Unusual GI procedures and their anaesthetic implications. 21st January 2008. Sheffield Children's Hospital.

282-6. Third Paediatric Hands-On Colonoscopy Consultant Course. Six Lectures. 4th-5th February 2008. Sheffield Children's Hospital.

287. Invited lecture. Milupa Learning Curve Meeting. Cow's milk protein allergy and dairy intolerances: drawing a distinction. 20th February 2008. Leeds.

288. Invited lecture. Inaugural Confocal Endomicroscopy International Meeting. Confocal endomicroscopy in children. 5th April 2008. Milan, Italy.

289. Invited lecture. Merseyside Gut Club. Advanced paediatric endoscopy. 17th April 2008. Liverpool, UK.

290-5. Eleventh Paediatric Hands-On Colonoscopy Course. Six Lectures. 19th-20th May 2008. Sheffield Children's Hospital.

296. Keynote Lecture. 60th Bill Nelson Paediatric Oesophageal Symposium. Endoscopic approaches to gastro-oesophageal reflux in childhood. 21st May 2008. Institute for Child Health, London, UK.

297. International GP Update Symposium. Update on gastro-oesophageal reflux. 26th May 2008. Montenegro.

298. International GP Update Symposium. Childhood recurrent abdominal pain. 27th May 2008. Montenegro.

299. International GP Update Symposium. Diarrhoea in childhood: a practical approach. 27th May 2008. Montenegro.

300. Keynote Lecture. United Arab Emirates International Paediatric Gastroenterology Convention. Advances in paediatric endoscopy. 17th June 2008. Qatar.

301. Keynote Lecture. United Arab Emirates International Paediatric Gastroenterology Convention. Paediatric endoscopy: the future. 17th June 2008. Qatar.

302-7. Twelfth Paediatric Hands-On Colonoscopy Course. Six Lectures. 23rd-24th June 2008. Sheffield Children's Hospital.

308. Invited Lecture. British Paediatric Research Society. Gastro-oesophageal endoscopic surgery in childhood respiratory disorders. 4th July 2008. Sheffield.

309. Update on endoscopic anti-reflux procedures in children. Third World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. 19th August 2008. Iguassu, Brazil.
310. Keynote lecture: Advances in pediatric endoscopy: the next 10 years. Third World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. 19th August 2008. Iguassu, Brazil.
311. Wireless capsule endoscopy in childhood. Second European Wireless Capsule Endoscopy Meeting. 16th September 2008. Hassop Hall, Derbyshire, UK.
312. Enteroscopy in childhood. Second European Wireless Capsule Endoscopy Meeting. 16th September 2008. Hassop Hall, Derbyshire, UK.
313. Advances in the management of pediatric GORD. Invited Lecture. 6th International GERD and LPR Conference. 20th September 2008. Milwaukee, USA.
- 314-319. Thirteenth Paediatric Hands-On Colonoscopy Course. Six Lectures. 13th-14th October 2008. Sheffield Children's Hospital.
320. Gastro-oesophageal reflux in children. Invited Lecture. International Update Conference on Gastroenterology. 27th October 2008. Abu Dhabi.
321. Advanced endoscopy in today's world for children. Invited Lecture. International Update Conference on Gastroenterology. 27th October 2008. Abu Dhabi.
322. Anti-reflux is an option by endoscopy. Invited Lecture. British Society of Gastroenterology Symposium. 10th November 2008. Royal College of Surgeons, London.
- 323-328. Third Paediatric National Hands-On Consultant Update Colonoscopy Course. Six Lectures. 17th-18th November 2008. Sheffield Children's Hospital.
329. Training in Paediatric Endoscopy in an Ideal World. Nineteenth Royal Free Paediatric Gastroenterology Meeting. 14th January 2009. Royal Free Hospital, London.
330. Paediatric Endoscopy Training. 23rd British Society of Paediatric Gastroenterology Hepatology and Nutrition National Meeting. 28th-30th January 2009. Sheffield.
331. A Paediatric Endoscopy Curriculum. 23rd British Society of Paediatric Gastroenterology Hepatology and Nutrition National Meeting. 28th-30th January 2009. Sheffield.

332. NASPGHAN and ESPGHAN update on evidence-based reflux treatment in infants and children. 23rd British Society of Paediatric Gastroenterology Hepatology and Nutrition National Meeting. 28th-30th January 2009. Sheffield.
- 333-6. Fourteenth National Paediatric Hands-On Colonoscopy Course. Four Lectures. 19th-20th February 2009. Sheffield Children's Hospital.
337. Update on GOR diagnostics in children. Northern Gastrointestinal Motility Meeting. 25th February 2009. Royal Hallamshire Hospital, Sheffield.
338. An evidence-based update on GORD diagnosis and treatment in children. Personal Practice Session. RCPCH National Meeting. 31st March 2009. York.
339. Invited Lecture. Reflux in children: advances in diagnosis and management. First Paediatric National Reflux Meeting. 31st March 2009. London.
- 340-3. Fifteenth National Paediatric Hands-On Colonoscopy Course. Four lectures. 16th-17th April 2009. Sheffield.
344. Invited lecture. Endoscopic features of eosinophilic oesophagitis. European Society of Paediatric Gastroenterology Hepatology and Nutrition Annual Meeting. 3rd – 6th June 2009. Budapest.
345. Invited lecture: A potential paediatric endoscopy curriculum. European Society of Paediatric Gastroenterology Hepatology and Nutrition Annual Meeting. 3rd – 6th June 2009. Budapest.
346. Invited lecture: Wireless capsule endoscopy in childhood gastroenterology diagnosis. European Society of Paediatric Gastroenterology Hepatology and Nutrition Annual Meeting. 3rd – 6th June 2009. Budapest.
- 347-353. First Animal Model Paediatric International Endo-therapeutic Course. 6th-7th November 2009. 6 Lectures. Sheffield.
354. Invited lecture: Endoscopic fundoplication: recent advances for children. British Association of Paediatric Endoscopic Surgeons Annual Meeting. 11th November 2009. Sheffield.
355. Invited lecture: Innovations in paediatric endoscopy in the 21st century. United Arab Emirates Paediatric Gastroenterology Meeting. 16th November 2009. Rais Al Khaimah.
356. Invited lecture: Advances in evidence based management in paediatric GORD. United Arab Emirates Paediatric Gastroenterology Meeting. 17th November 2009. Rais Al Khaimah.

357. Invited lecture: Esophyx in children. World Congress of Gastroenterology. 24th November 2009. London.
- 358-9. Lectures on paediatric colonoscopy technique. Tenth Paediatric Hands On Colonoscopy Course. 26th-27th November 2009. Sheffield.
- 360-1. Lectures. Third European wireless capsule endoscopy and enteroscopy Course. 4th December 2009. London.
362. Keynote lecture: Recent advances in paediatric endoscopy. Fifth Pan-Arab Paediatric Gastroenterology Conference. 22nd September 2010. Sharm Al Sheikh, Egypt.
363. Invited lecture: Paediatric Barrett's Oesophagus. Fifth Pan-Arab Paediatric Gastroenterology Conference. 22nd September 2010. Sharm Al Sheikh, Egypt.
364. Invited lecture: Endoscopic approaches to an anti-reflux barrier in children. Fifth Pan-Arab Paediatric Gastroenterology Conference. 22nd September 2010. Sharm Al Sheikh, Egypt.
365. Keynote lecture: The future for paediatric endoscopy in the oesophagus. European Paediatric Oesophageal School. 30th September 2010. Liubjjanja, Slovenia.
366. Invited lecture: Achalasia, strictures, Barrett's oesophagus and endoscopic management. European Paediatric Oesophageal School. 30th September 2010. Liubjjanja, Slovenia.
367. Invited lecture: Endoscopic anti-reflux procedures in children. European Paediatric Oesophageal School. 30th September 2010. Liubjjanja, Slovenia.
368. Invited lecture: What the future holds for paediatric gastroenterology. 11th Congresso Nacional de Pediatria. 6th October 2010. Funchal, Madeira, Portugal.
369. Lectures on paediatric colonoscopic technique. European Paediatric Hands On Colonoscopy Course. 14th-15th October 2010. Sheffield.
370. Recent developments in paediatric gastroenterology. Grand Round. 19th October 2010. Barnsley DGH.
- 371-2. Lectures on wireless capsule endoscopy in childhood. 4th European Paediatric WCE Conference. 4th November 2010. London.
373. Invited lecture: Eosinophilic Oesophagitis in Childhood. British Society of Gastroenterology Oesophageal Symposium. 8th November 2010. Royal College of Physicians, London.

- 374-6. Lectures on paediatric colonoscopic technique. International Paediatric Hands On Colonoscopy Course. 11th-12th November 2010. Sheffield.
377. Invited lecture: Investigating and managing reflux disease in infants and children. Living With Reflux Symposium. 22nd November 2010. London.
378. Double balloon enteroscopy experience in children. Deep Enteroscopy Symposium. 25th November 2010. St Mark's, London.
- 379-83. Second hands on animal model endo-therapeutic paediatric endoscopy course. 4 lectures. 14th-15th January 2011. Sheffield.
- 384-5. Lectures on paediatric colonoscopic technique. International Paediatric Hands On Colonoscopy Course. 10th-11th February 2011. Sheffield.
386. Recent advances in paediatric endoscopy. Russian Paediatric Federation Annual Meeting. 14th February 2011. Moscow.
387. Anti-reflux treatment by endoscopy. Russian Paediatric Federation Annual Meeting. 14th February 2011. Moscow.
388. Endoscopic approaches to anti-reflux surgery. British National Paediatric Surgical Training Meeting. 3rd March 2011. John Radcliffe Hospital, Oxford.
389. An update on evidence based approach for GORD. Motility Meeting. 10th March 2011. NGH. Sheffield.
390. An adolescent and paediatric endoscopic pot-pourri. British Society of Gastroenterology. 15th March 2011. Birmingham.
391. Advances in paediatric endoscopy. Trent Regional Paediatric Meeting. 30th March 2011. Lincoln.
- 392-3. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 31st March 2011. Sheffield.
394. An update on evidence base for management of paediatric GORD. GP Refresher London Meeting. Royal Society of Medicine. 2nd April 2011. London.
395. Oesophagitis: new endoscopic interventions. German Paediatric Association Annual Conference. 6th April 2011. Aachen, Germany.
396. Eosinophilic Oesophagitis. Pan-Arab Paediatric Gastroenterology Conference. 26th April 2011. Riyadh, Saudi Arabia.
397. Endoscopic approaches to GORD. Pan-Arab Paediatric Gastroenterology Conference. 26th April 2011. Riyadh, Saudi Arabia.

398. Non-variceal bleeding: endoscopic management. Pan-Arab Paediatric Gastroenterology Conference. 26th April 2011. Riyadh, Saudi Arabia.
399. Evidence base for management of GORD in children. Pan-Arab Paediatric Gastroenterology Conference. 26th April 2011. Riyadh, Saudi Arabia.
400. An update on evidence base for management of paediatric GORD. National GP Update Meeting. Royal Chest Hospital, Brompton. 4th May 2011. London.
401. Enteroscopy in children. ESPGHAN. 25th May 2011. Sorrento, Italy.
- 402-3. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 23rd June 2011. Sheffield.
404. Advances in paediatric endoscopy. Invited lecture. Royal Society of Medicine. 12th July 2011. London.
405. Enteroscopy in paediatrics. National Endoscopy Training Meeting. 8th September 2011. Braga, Portugal.
406. Endoscopic fundoplication in paediatrics. National Endoscopy Training Meeting. 8th September 2011. Braga, Portugal.
407. Hemostasis by endoscopy. National Endoscopy Training Meeting. 8th September 2011. Braga, Portugal.
408. Advances in paediatric endoscopy. Yorkshire Paediatric Society Annual Meeting. 9th September 2011. Harrogate.
- 409-10. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 29th-30th September 2011. Sheffield.
411. Enteroscopy in paediatric endoscopy. ESPGHAN Summer School on Endoscopy. 3rd-6th October 2011. Parma, Italy.
412. Transoral incisionless fundoplication in paediatrics. ESPGHAN Summer School on Endoscopy. 3rd-6th October 2011. Parma, Italy.
- 413-5. Three lectures. Fourth Wireless Capsule Hands On European Course. 10th October 2011. London.
- 414-15. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 27th-28th October 2011. Sheffield.
- 416-17. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 24th-25th November 2011. Sheffield.

418. Transoral incisionless fundoplication in paediatrics. Third ESPGHAN Motility Meeting. 8th December 2011. Amsterdam.
- 419-23. Four lectures Third hands on animal model endo-therapeutic paediatric endoscopy course. 4 lectures. 13th-14th January 2012. Sheffield.
424. Endoscopy Training. Presentation of a FISPUGHAN Position paper. FISPUGHAN Meeting. 28th February 2012. Paris.
- 425-6. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 1st-2nd March 2012. Sheffield.
427. Advances in Paediatric Endoscopy Techniques. German Paediatric Gastroenterology Annual Meeting Invited Lecture. 14th April 2012. Vienna.
428. GORD in childhood. National Childhood Health Conference. 19th April 2012. Telford.
429. NOTES for children- is there a place for this technology? Invited lecture. ESPGHAN Annual Meeting. 26-28th April 2012. Stockholm.
- 430-1. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 7th-8th June 2012. Sheffield.
432. Vignettes of adolescent gastroenterological care. Digestive Diseases Foundation Invited Lecture. 19th June 2012. Liverpool.
- 433-4. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 6th-7th September 2012. Sheffield.
- 435-6. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 1st-2nd November 2012. Sheffield.
437. Report on Endoscopy provision for FISPUGHAN. Invited lecture at 4th World Congress of Paediatric Gastroenterology. 14th-17th November. Taiwan.
438. Stricture management at endoscopy in children. Invited lecture at 4th World Congress of Paediatric Gastroenterology. 14th-17th November. Taiwan.
439. GORD –an update. Phillipines Paediatric Society Meeting. 29th-30th January 2013. London.
440. RAP –an update. Phillipines Paediatric Society Meeting. 29th-30th January 2013. London.

- 441-4. Four lectures on endotherapeutics in childhood. 1st-2nd March 2013. Fourth International Paediatric Endotherapeutic Course. Sheffield.
445. GORD Diagnosis –an update. National Study Day –Living With Reflux. 17th April 2013. London.
446. Endoscopic approaches to GORD management in children. National Study Day –Living With Reflux. 17th April 2013. London.
447. PPI use in childhood –For. National Study Day –Living With Reflux. 17th April 2013. London.
448. GORD – an update in childhood. RSM Paediatric Open Day. 3rd May 2013. Edinburgh.
449. Barrett’s oesophagus in children. ESPGHAN Annual Meeting. 8th-11th May. London.
450. Trans-oral incision less fundoplication in children – results of a 36 month feasibility study. ESPGHAN Annual Meeting. 8th-11th May. London.
- 451-2. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 25th-26th May 2013. Sheffield.
- 453-4. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. 6th-7th June 2013. Sheffield.
- 455-6. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. July 2013. Sheffield.
457. Advances in Endoscopic Therapy. First Annual International Asian/Indian Paediatric Gastroenterology Meeting. 3rd September 2013. Delhi, India.
458. Therapeutic Colonoscopy. First Annual International Asian/Indian Paediatric Gastroenterology Meeting. 7th September 2013. Delhi, India.
459. Wireless capsule endoscopy and enteroscopy. First Annual International Asian/Indian Paediatric Gastroenterology Meeting. 8th September 2013. Delhi, India.
- 460-1. Two lectures. Paediatric Ileo-colonoscopy technique. National Paediatric Colonoscopy Hands On Course. September 2013. Sheffield.
462. Paediatric therapeutic endoscopy – advances. European Paediatric Endoscopy Conference. 21st September 2013. Braga, Portugal.
463. Stricture management. European Paediatric Endoscopy Conference. 21st September 2013. Braga, Portugal.

464. GI bleeding endoscopic management. European Paediatric Endoscopy Conference. 21st September 2013. Braga, Portugal.
465. Advances in paediatric endoscopy. Australasian Gastroenterology Week. Royal Melbourne Children's Hospital. 8th October 2013. Melbourne, Australia.
466. Therapeutic endoscopy in children. Australasian Gastroenterology Week. Royal Melbourne Children's Hospital. 9th October 2013. Melbourne, Australia.
467. WCE in paediatric IBD. South European Paediatric Gastroenterology Annual Meeting. 26th October 2013. Belgrade, Serbia.
468. Endoscopic approaches in the treatment of GERD. 6th Joint Meeting on Paediatric and Adolescent Medicine. 8th November 2013. Catanzaro, Italy.
- 469-72. Four lectures at the 5th Endotherapeutic Course. 4th-5th April 2014. Sheffield.
473. Advances in Paediatric Endoscopy. Pedia Dubai. 2nd-3rd May 2014. Dubai.
474. Update on gastro-oesophageal reflux. Pedia Dubai. 2nd-3rd May 2014. Dubai.
475. Endoscopic fundoplication in children and adults. 7th May 2014. GOSH, London.
476. Common gastroenterological problems facing GPs. 14th May 2014. RCGP. London.
477. Advances in paediatric endoscopy. Small Bowel Transplant Meeting. 16th May 2014. Birmingham.
478. Invited lecture: Stenoses, strictures and more – what should we be able to do endoscopically? ESPGHAN 9th June 2014. Jerusalem.
479. Invited lecture: Bariatric endoscopy in adolescents. BSG. 18th June 2014. Manchester.
480. Invited lecture: Esophageal dilation: not only dilation. First European Paediatric Therapeutic Endoscopy Symposium. 8th September 2014. Rome.
481. Training in paediatric therapeutic endoscopy. First European Paediatric Therapeutic Endoscopy Symposium. 8th September 2014. Rome.
482. Advances in Endoscopic Therapy. Second Annual International Asian/Indian Paediatric Gastroenterology Meeting. 11th September 2014. Delhi, India.

483. Therapeutic Colonoscopy. Second Annual International Asian/Indian Paediatric Gastroenterology Meeting. 11th September 2014. Delhi, India.
484. Endoscopic stricture therapy in childhood. Invited Lecture. United European Gastroenterology Week. Vienna. 19th September 2014.
485. Upper GI Bleeding in Children: optimal endoscopic management. Invited Lecture. United European Gastroenterology Week. Vienna. 19th September 2014.
- 486-90. Five lectures. Paediatric Ileo-colonoscopy technique, complications, precautions. National Paediatric Colonoscopy Hands On Course. October 2014. Sheffield.
491. An approach to the child with dysphagia. BSPGHAN Annual Meeting Invited Lecture. 28th January 2015. Stratford-Upon-Avon.
492. Development of the Sheffield scoring system for endoscopic intervention in children with acute upper GI bleeding. 30th January 2015. Stratford-Upon-Avon.
493. Endoscopic assessment v faecal calprotectin in the assessment of children with IBD. 17th March 2015. RCPCH IBD Meeting. London.
494. Colonoscopy basic technique. Training the Trainers Course. 19th March 2015. National Endoscopy Training Centre, Sheffield.
495. Polypectomy technique and pitfalls. Training the Trainers Course. 19th March 2015. National Endoscopy Training Centre, Sheffield.
496. Colonoscopy basic technique. Basic Colonoscopy Course. 23rd April 2015. National Endoscopy Training Centre, Sheffield.
497. Polypectomy technique and pitfalls. Training the Trainers Course. 24th April 2015. National Endoscopy Training Centre, Sheffield.
498. Basic colonoscopy technique. 7th May 2015. ESPGHAN Annual Meeting. Amsterdam.
499. Development of the Sheffield scoring system for endoscopic intervention in children with acute upper GI bleeding. 8th May 2015. ESPGHAN Annual Meeting. Amsterdam. 7th May 2015. ESPGHAN Annual Meeting. Amsterdam.
500. Stricture management by endoscopy in children. 7th May 2015. ESPGHAN Annual Meeting. Amsterdam. 7th May 2015. ESPGHAN Annual Meeting. Amsterdam.

Medical Doctorate Summary:

The mechanisms of malnutrition and growth failure occurring in cystic fibrosis are not fully understood. Limited work has been carried out on the problem of energy imbalance in patients with cystic fibrosis, although it is recognised empirically that a combination of reduced calorie intake, malabsorption, and increased energy expenditure is responsible.

The group at the Royal Children's Hospital, Brisbane, Australia were the first to describe abnormalities of total energy expenditure in CF infants with no significant lung disease, indicating that infection-related catabolism may not be the primary cause. Recently it has been suggested that the common genetic defect ($\Delta F508$ deletion) coding for the most severe clinical phenotype imparts higher rates of energy expenditure than those who do not have this gene.

With the advent of newer techniques to study energy metabolism in "free-living" humans a number of questions were addressed. Is the increased energy expenditure due in part to the basic defect or can it be accounted for entirely by the increased work required for breathing with deteriorating and chronically infected lungs? Is it partly the cause or entirely the result of CF lung disease?

The major hypothesis to be tested was that the common genetic defect ($\Delta F508$) is energy-requiring. This was examined by measuring resting energy expenditure (REE, indirect calorimetry) and total energy expenditure (TEE, doubly-labelled water method) hence deriving the energy cost of disease-activity-thermogenesis in relation to fat-free mass and body cell mass (as measured by total body potassium and body impedance) in stable well nourished CF infants without lung disease in 3 genotypic groups: $\Delta F508/\Delta F508$ homozygous; $\Delta F508$ /other; and other/other - comparing also with data from healthy infants.

It was found that the homozygote group had an REE which was 122% and the heterozygous group 112% compared with healthy non-CF infants. No difference was found at this early stage of the disease between the two CF groups for intra-bronchial inflammation on bronchoscopy suggesting that some factor other than catabolism associated with chest infections is responsible for the raised REE in CF. REE is higher in the homozygote group supporting the hypothesis that the gene defect itself is energy-requiring. Data regarding TEE is awaiting analysis.

Concurrent development of another technique for measuring TEE, the so-called Heart-Rate method, was successfully attempted. This relies on the theoretical relationship between heart rate and oxygen consumption (and therefore energy expenditure), and had not previously been adapted to this age group. It was found that this technique was a robust, easily-adaptable, widely-applicable free-field technique for the measurement of TEE in both healthy infants and those with cystic fibrosis.

Furthermore when commonly-used predictive equations for resting energy expenditure were compared with actual measurements by indirect calorimetry it was found that these over-estimated REE (and hence fluid requirement) in infancy by up to 15%. This has wide implications in terms of modern fluid and energy management in infancy and a strong case could be made for its revision.

In summary, knowledge of the nature and components of energy balance in CF will have significant therapeutic implications in this disease, especially in view of a possible genetic influence.

PRACTICAL EXPERIENCE IN GASTROENTEROLOGY/ HEPATOLOGY
TO DATE:

1.Upper GI Endoscopy:

Total	7254	
Foreign Body retrieval	134	
Oesophageal dilatation	88	
Achalasia pneumatic dilatation	18	
Percutaneous gastrostomies	162	
PEG SPRING technique	9	
Percutaneous jejunostomies	11	
Oesophageal varices sclerosis	39	
Oesophageal varices banding	85	
Endoscopic haemostasis clips	156	
Argon plasma coagulation	132	
Endoscopic pancreatic function tests	25	
ERCP	38	
Push enteroscopy	10	
Laparoscopic-assisted enteroscopy	13	
Endoscopic funduplications	63	
Full thickness endo-funduplications	27	
Double-balloon enteroscopy	116	
Single-balloon enteroscopy	3	
Wireless endoscopic capsule	223	
Confocal microendoscopy	56	
Intra-gastric bariatric balloons		12
Duodenal web division	3	
Pancreatic cysto-gastrostomy	5	

2.Ileo-colonoscopy:

Total	5944
Polyp removal cases	365
Strictureplasty	23
Confocal microendoscopy	44

3.Manometry:

Oesophageal	43
Rectal	66

4.Other:

pH studies; intraluminal impedance studies; rectal secretory studies; rectal suction biopsies; liver biopsies; clinical indirect calorimetry, total energy expenditure, and body composition studies.

SUCCESSFUL GRANT APPLICATIONS:

1992-3, 1993-4 Royal Children's Hospital Foundation Research Grant for:
" Resting and total energy expenditure in cystic fibrosis in particular relation to the putative energy-requiring nature of the gene defect and the relative effect of pulmonary inflammation". £65,000

McDonald's Family Research Fund 1996. £10,000.

Astra Foundation Research Grant 1998. £5,000.

Reckitt Benckiser Research Fellowship, 2000-2003 £125,000.

Astra Zeneca Endoscopic Teaching Grant, 2001. £5,000.

Fujinon Endoscopic Course Seeding Grant (Annual) £20,000 from 2001 to 2005.

Crohn's and Colitis in Childhood Research Grant for endoscopic innovation 2002.
£15,000.

Neocate and intraluminal impedance in infants. Scientific Hospital Supplies Research Grant 2003. £25,000.

Sheffield Children's Hospital Charity Appeal funding for site-specific running of inflammatory bowel disease multi-centre trial of steroid use v azathioprine plus steroid use with polymeric exclusive enteral nutrition arm. 2004. £20,000

Wireless capsule paediatric unit Award. Westfield Foundation, Sheffield. 2004. £35,000

Sheffield Children's Hospital Charity Appeal funding for study: genomic instability in paediatric Barrett's oesophagus. 2005. £8,800.

Double Balloon Enteroscopy Award. Westfield Foundation, Sheffield. 2005. £53,000.

Confocal endoscopic microscope Award. South Yorkshire Cancer Charitable Trust. 2006.
£65,000.

Esomeprazole and neonatal gastro-oesophageal reflux: assessment with combined intraluminal impedance and video-cardiorespiratory analysis. Astra-Zeneca. 2006-2008.
£330,000.

Pentax educational grant: confocal endomicroscopy in ulcerative colitis and Crohn's disease. 2006. £12,000.

Sheffield Children's Hospital Charity Appeal funding for research and educational grant for colonoscopy training. Scope-guide, magnetic coil colonoscope and Evis Lucera processor system. 2006. £134,000.

Multi-centre randomised Anti-Interleukin 5 trial for childhood eosinophilic oesophagitis. Glaxo-Smith-Kline. 2006-2007. £14,000.

Egyptian Consulate Educational Grant. 2006-8. £9,600.

Cook Hemospray Paediatric Study Grant. 2014. £20,000

UEGW Educational Grant for ESGE-ESPGHAN European Paediatric Endoscopy Summer School. September 2015. €25,000.

ESPGHAN Educational Grant for ESGE-ESPGHAN European Paediatric Endoscopy Summer School. September 2015. €40,000.

ESGE-ESPGHAN European Paediatric Endoscopy Guideline Educational Grant. February 2015. €25,000.

Running costs over the last 6 years for a number of studies for which I acted as PI, with 3 more about to start. Estimate of revenue not feasible, but substantial.

TEACHING:**Undergraduate:**

This was a major feature of my Clinical Tutor post in St James' Hospital, Leeds and subsequently I have been involved in lecturing and clinical teaching in my capacity as Registrar, Clinical Research Fellow, Lecturer/Senior Registrar, and now as Consultant.

Principal Lead for the Year 1 Sheffield Medical School Gastroenterology and Hepatology Module, 2011 to date.

Postgraduate:

I have been active in arranging teaching for paediatricians in training towards the FRACP qualification in Australia and the MRCP qualification in the United Kingdom. Written two books aimed at these candidates.

Nursing:

Lecturing on the Diploma of Paediatric Hepatology Nursing course in Birmingham and also in other areas of Paediatric Nursing throughout my paediatric career.

I have set up and I am the medical coordinator for a Diploma in Paediatric Gastroenterology Nursing.

EXAMINATION INVOLVEMENT:**Undergraduate:**

Responsibility for patient recruitment, exam invigilation, clinical exam observer and coordinator roles both in Australia and Britain. As well as acting as an examiner on two occasions. Previously Sheffield University Paediatric OSCE Finals Examiner.

Postgraduate:

Involvement in coordination and arrangement of the clinical section of the MRCPCH examination in the past.

Past question-setter for the UK MRCPCH exam.

Lead of International Academy of Paediatric Endoscopy Training and lead on training for Europe. Co-lead for the UK.

COURSE ORGANISATION:

Set up and run the only live Paediatric Endoscopy/Colonoscopy Masterclass in the world, now in its fifteenth year with delegates from all continents.

Helped to arrange the Annual Paediatric Gastroenterology Course organized by Professor Alan Phillips, and set up by Professor John Walker-Smith, now in its twentieth year.

Course Director of first paediatric small number Hands-On Courses for Colonoscopy; Endoscopic fundoplication; and Therapeutic Paediatric Endoscopy. 2005 onwards.

Organiser of First ESPGHAN Endoscopy Summer School in Durham. July 2007. Second due 2014.

Course Director of European Paediatric Wireless Capsule Endoscopy Courses. 2007 onwards.

Course Director of Therapeutic Endoscopy Hands On Courses. Sheffield. November 2009 annually to date.

Co-Course Director of Training the Trainers Colonoscopy Course. Sheffield. 2013 annually. Only one of its kind worldwide.

MANAGEMENT:

Management training course for trainees in gastroenterology. 11th-13th November 1994. Coventry.

“Consultants and Management” King’s Fund Course, 30th Sept - 4th Oct 1996. Clinical Director of Centre for Paediatric Gastroenterology, Royal Free Hospital.

Team Leader of GI service in Sheffield Childrens NHS Trust. 2004 ongoing.

MEMBERSHIP OF SOCIETIES:

British Medical Association
Royal College of Paediatrics and Child Health (Fellowship)

Royal College of Physicians (UK) (Fellowship)
British Society of Paediatric Gastroenterology and Nutrition
British Association of Parenteral and Enteral Nutrition
British Society of Gastroenterology
European Society of Paediatric Gastroenterology, Hepatology and Nutrition
Association of Clinical Specialists

PRESENT POSITIONS:

Associate Editor of Journal of Pediatric Gastroenterology and Nutrition.

Chair of the Adolescent Section of the British Society of Gastroenterology.

Chairman of the European Working Group on Paediatric Endoscopy.

Expert Advisor on GOR Clinical Development Group for NIHC 2013 ongoing.

ESPGHAN representative and Lead of FISPUGHAN World Congress Working Group on Advances in Paediatric Endoscopy and Other Diagnostic Tests.

Representative of BSPGHAN on the Information Technology Committee of the British Society of Gastroenterology.

Paediatric Representative on BSG Endoscopy Research Committee.

Member of the European Working Group on gastro-oesophageal reflux.

Member of the European Working Group on gastrointestinal motility.

Medical Advisor to 'Living with reflux' parent-led group for reflux support.

Medical Advisor to 'Contact-A-Family' parent-led group for rare diseases.

PAST POSITIONS

Past representative of BSPGHAN on Joint Advisory Group on Training in Endoscopy.

Ex-Chairman of British Paediatric Endoscopy Steering Committee.

Ex-Council Member of BSPGHAN.

Member of the Gastroenterology Committee of ESPGHAN from 2005 to 2008.

Previous Secretary of Royal Society of Medicine for Paediatrics, remain as Council Member.

Paediatric co-representative on Medical Advisory Committee of Portland Hospital for Women and Children, London.

Previous country co-ordinator for Zambia of children's charity Child Advocacy International.

Previous external examiner for Paediatrics in Zambia.

REFEREE:

Regular referee for:

Journal of Pediatric Gastroenterology and Nutrition,
Archives of Disease in Childhood,
Alimentary Pharmacology and Therapeutics,
Gut,
Endoscopy,
Acta Paediatrica,
The Journal of Infection,
Endocrinology,
British Medical Journal,
Journal of Paediatrics.

CAREER INTENTIONS:

My career is firmly based in paediatric gastroenterology, nutrition and hepatology. My endpoint remains leading a supra-regional teaching hospital unit with ongoing commitment to teaching and research whilst maintaining a vigorous clinical interest.

OTHER INTERESTS:

Fell racing

Squash, Sheffield Hallamshire Team player, 1st V University

Rugby Union, 1st/2nd XV University

Skiing – downhill and ski-mountaineering

Diving

Mountain and road biking

Rock/ice-climbing

Guitar

REFEREES:

To be forwarded as agreed at appropriate juncture.