

*CURRICULUM VITAE*

*March 2022*

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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

PRESENT CONSULTANT POST:

May 2004-ongoing

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

Professor of Paediatric Gastroenterology  
Sheffield University Medical School

Also:

Please see [www.paediatricgastroenterologist.com](http://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. Crossing the Universe of Pediatric Endoscopy; Part III of a Series. Fishman DS, Thomson M, Furlano RI. *J Pediatr Gastroenterol Nutr.* 2022 Feb 1;74(2):e39.
2. Crossing the Universe of Pediatric Endoscopy; Part IV of a Series. Fishman DS, Thomson M, Furlano RI. *J Pediatr Gastroenterol Nutr.* 2021 Oct 11.
3. Applicability, efficacy, and safety of over-the-scope clips in children. Sharma S, Barakat M, Urs A, Campbell D, Rao P, Schluckebier D, Gugig R, Thomson M. *Gastrointest Endosc.* 2022 Mar;95(3):489-499.
4. Gastrointestinal endoscopy in children and adults: How do they differ? Isoldi S, Cucchiara S, Repici A, Lerner D, Thomson M, Oliva S. *Digestive and Liver Disease.* 2021 Jun;53(6):697-705.
5. BCG vaccine associated complications in patients with PTEN Hamartoma Tumour Syndrome. Taylor H, Aschnbrenner D, Thomson M, Uhlig H. *Journal of Clinical Immunology.* 2021. (In press)
6. mTOR inhibitors reduce enteropathy, intestinal bleeding and colectomy rate in juvenile polyposis of infancy due to PTEN-BMPRI1A deletion syndrome. Taylor H, Yerlioglu D, Phen C, Ballauff A, Nedelkopoulou N, Spier I, Loverdos I, Busoni V, Heise J, Dale P, de Meij T, Sweet K, Cohen M, Fox V, Mas E, Aretz S, Eng C, Buderus S, Thomson M, Rojas I, Uhlig U. *Human Molecular Genetics.* 2021. (In press)
7. Anastomotic Ulcers: A tertiary centre experience of endoscopic management techniques. Barraclough H, Girach A, Rao P, Urs A, Marven S, Murthi S, Thomson M, Narula P. *Journal of Pediatric Gastroenterology and Nutrition.* 2021. (In press)
8. Significant variations across European centers in implementing guidelines for Pediatric Gastroenterology Endoscopy suite during the COVID-19 pandemic. Athiana E, Legeret C, Amil-dias J, Bontems P, de Angelis P, Dall'Oliglio L, Matjaz M, Narula P, Norsa L, Olivia S, Papadopoulou A, Romano C, Thomson M, Vila V, Furlano R. *JPGNREP-20-069R2.* (In press)
9. Systematic review and meta-analysis of paediatric coeliac disease incidence and prevalence across Europe. Roberts SE, Morrison-Rees S, Thapar N, Benninga M, Borrelli O, Broekaert I, Dolinsek J, Martin-de-Carpi J, Mas E, Miele E, Pienar C, Ribes-Koninckx C, Thomassen R, Thomson M, Tzivinikos C, Thorne C, John A, Williams J. *Alimentary Pharmacology and Therapeutics.* 2021. (In press).

10. International Consensus on Quality Standards and Indicators for Pediatric Endoscopy: A Report from the Pediatric Endoscopy Quality Improvement Network (PEnQuIN). Walsh CM, Lightdale JR, Mack DR, Amil-Dias J, Bontems P, Brill H, Croft NM, Fishman DS, Furlano R, Gillett P, Hojsak I, Homan M, Huynh HQ, Jacobson K, Leibowitz IH, Lerner DG, Liu QY, Mamula P, Narula P, Oliva S, Riley MR, Rosh JR, Tavares M, Utterson EC, Ambartsumyan L, Otley AR, Kramer RE, Connan V, McCreath GA, Thomson M. JPGN. 2021. (In press).
11. Pediatric Endoscopy Quality Improvement Network (PEnQuIN) Quality Standards and Indicators for Pediatric Endoscopy Facilities. Walsh CM, Lightdale JR, Mack DR, Amil-Dias J, Bontems P, Brill H, Croft NM, Fishman DS, Furlano R, Gillett P, Hojsak I, Homan M, Huynh HQ, Jacobson K, Leibowitz IH, Lerner DG, Liu QY, Mamula P, Narula P, Oliva S, Riley MR, Rosh JR, Tavares M, Utterson EC, Ambartsumyan L, Otley AR, Kramer RE, Connan V, McCreath GA, Thomson M. JPGN. 2021. (In press).
12. Pediatric Endoscopy Quality Improvement Network (PEnQuIN) Quality Standards and Indicators for Pediatric Endoscopic Procedures. Walsh CM, Lightdale JR, Mack DR, Amil-Dias J, Bontems P, Brill H, Croft NM, Fishman DS, Furlano R, Gillett P, Hojsak I, Homan M, Huynh HQ, Jacobson K, Leibowitz IH, Lerner DG, Liu QY, Mamula P, Narula P, Oliva S, Riley MR, Rosh JR, Tavares M, Utterson EC, Ambartsumyan L, Otley AR, Kramer RE, Connan V, McCreath GA, Thomson M. JPGN. 2021. (In press).
13. Pediatric Endoscopy Quality Improvement Network (PEnQuIN) Quality Standards and Indicators for Pediatric Endoscopists and Pediatric Endoscopists in Training. Walsh CM, Lightdale JR, Mack DR, Amil-Dias J, Bontems P, Brill H, Croft NM, Fishman DS, Furlano R, Gillett P, Hojsak I, Homan M, Huynh HQ, Jacobson K, Leibowitz IH, Lerner DG, Liu QY, Mamula P, Narula P, Oliva S, Riley MR, Rosh JR, Tavares M, Utterson EC, Ambartsumyan L, Otley AR, Kramer RE, Connan V, McCreath GA, Thomson M. JPGN. 2021. (In press).
14. Pediatric Endoscopy Quality Improvement Network (PEnQuIN) Pediatric Endoscopy Reporting Elements. Walsh CM, Lightdale JR, Mack DR, Amil-Dias J, Bontems P, Brill H, Croft NM, Fishman DS, Furlano R, Gillett P, Hojsak I, Homan M, Huynh HQ, Jacobson K, Leibowitz IH, Lerner DG, Liu QY, Mamula P, Narula P, Oliva S, Riley MR, Rosh JR, Tavares M, Utterson EC, Ambartsumyan L, Otley AR, Kramer RE, Connan V, McCreath GA, Thomson M. JPGN. 2021. (In press).
15. Sigmoid and transverse colon loop formation at ileo-colonoscopy in children: significant differences from adult experience. JPGN. Isoldi S, Rassamuuro A, Belsha D, Campbell D, Narula P, Rao P, Urs A, Thomson M. 2021 (In press).

16. A Systematic Review and Meta-analysis of Paediatric Inflammatory Bowel Disease Incidence and Prevalence Across Europe. Roberts SE, Thorne K, Thapar N, Broekaert I, Benninga MA, Dolinsek J, Mas E, Miele E, Orel R, Pienar C, Ribes-Koninckx C, Thomson M, Tzivinikos C, Morrison-Rees S, John A, Williams JG. *J Crohns Colitis*. 2020 Sep 7;14(8):1119-48.
17. A Conceptual Framework for Rescheduling Elective Pediatric Gastroenterology Procedures Following COVID-19 Pandemic Lockdown. Kaur P, Attard TM, Fishman DS, Zapata F, Ditsch D, Thomson M, Schurman JV. *Gastroenterol Nurs*. 2020 Sep/Oct;43(5):375-81.
18. A conceptual framework for rescheduling elective pediatric gastroenterology procedures following covid-19 pandemic lockdown. Kaur P, Attard TM, Fishman DS, Zapata F, Ditsch D, Thomson M, Schurman JV. *Gastroenterol Nurs*. 2020 Jul/Aug;43(4):327-9.
19. Human and Doll's Hair in a Gastric Trichobezoar, Endoscopic Retrieval Hazards. Niță AF, Hill CJ, Lindley RM, Marven SS, Thomson MA. *J Pediatr Gastroenterol Nutr*. 2020 Aug;71(2):163-70.
20. Measuring patient and carer experience related to paediatric gastrointestinal endoscopy: multicentre questionnaire study. Wan JWY, Griffiths E, Rabone R, Zuhair Z, Londt Z, Rawat D, Maginnis J, Elizabethair A, Pigott A, Thomson M, Narula P. *Frontline Gastroenterology* 2020;11:448-53.
21. Safety of Thiopurine Use in Paediatric Gastrointestinal Disease. Miele E, Benninga MA, Broekaert I, Dolinsek J, Mas E, Orel R, Pienar C, Ribes-Koninckx C, Thomassen RA, Thomson M, Tzivinikos C, Thapar N. *J Pediatr Gastroenterol Nutr*. 2020 Aug;71(2):156-62.
22. Differences in Management of Eosinophilic Esophagitis in Europe: An Assessment of Current Practice. Tourlamain G, Garcia-Puig R, Gutiérrez-Junquera C, Papadopoulou A, Roma E, Kalach N, Oudshoorn J, Sokollik C, Karolewska-Bochenek K, Oliva S, Strisciuglio C, Bauraind O, Auth MK, Thomson M, Otte S, Rok O, Dias JA, Tzivinikos C, Urbonas V, Kostovski A, Zevit N, Velde SV; ESPGHAN EGID Working Group. *J Pediatr Gastroenterol Nutr*. 2020 Jul;71(1):83-90.
23. Natural orifice endoluminal technique (NOEL) for the management of congenital duodenal membranes. Goring J, Isoldi S, Sharma S, Torroni F, Marven S, De Angelis P, Thomson M. *J Pediatr Surg*. 2020;55(2):282-5.
24. Learning Curve Analyses for Achieving Satisfactory Procedural Completion Rates in Paediatric Oesophagoduodenoscopy. Barraclough H, Siau K, Ward ST, Dunckley P, Hawkes N, Thomson M, Narula P. *J Pediatr Gastroenterol Nutr*. 2020 Mar;70(3):336-40.

25. Differences in Management of Eosinophilic Esophagitis in Europe: An Assessment of Current Practice. Tourlamain G, Garcia-Puig R, Gutiérrez-Junquera C, Papadopoulou A, Roma E, Kalach N, Oudshoorn J, Sokollik C, Karolewska-Bochenek K, Oliva S, Strisciuglio C, Bauraind O, Auth M, Thomson M, Otte S, Orel R, Amil-Dias J, Tzivinikos C, Urbonas V, Kostovski A, Zevit N, Velde S, ESPGHAN EGID Working Group. *JPGN*. 2020;71(1):83-90.
26. European Society for Paediatric Gastroenterology, Hepatology and Nutrition Position Paper on Training in Paediatric Endoscopy. Broekaert I, Tzivinikos C, Narula P, Antunes H, Dias JA, van der Doef H, Isoldi S, Norsa L, Romano C, Scheers I, Silbermintz A, Tavares M, Torroni F, Urs A, Thomson M. *J Pediatr Gastroenterol Nutr*. 2020 Jan;70(1):127-40.
27. Preventing Self-Harm From Repeat Foreign-Body Ingestion. Low Kapalu C, Lantos J, Booser A, Thomson M, Attard T. *Pediatrics*. 2020 Jan;145(1):e20191515.
28. Pediatric Endoscopy and High-risk Patients: A Clinical Report From the NASPGHAN Endoscopy Committee. Lightdale JR, Liu QY, Sahn B, Troendle DM, Thomson M, Fishman DS; NASPGHAN Endoscopy and Procedures Committee. *J Pediatr Gastroenterol Nutr*. 2019 Apr;68(4):595-606.
29. Pediatric elective therapeutic procedure complications: A multicenter cohort analysis. Attard T, Miller M, Walker A, Lee B, McGuire S, Thomson M. *J Gastroenterol Hepatol*. 2019 Sep;34(9):1533-9.
30. Paediatric Endoscopy Global Rating Scale: Development of a Quality Improvement Tool and Results of a National Pilot. Narula P, Broughton R, Howarth L, Piggott A, Bremner R, Tzivinikos C, Gillett P, Henderson P, Rawat D, Cullen M, Loganathan S, Devadason D, Afzal NA, Maginnis J, McKenna S, Thomson M, Green J, Johnston D. *J Pediatr Gastroenterol Nutr*. 2019;69(2):171-5.
31. Paediatric Colonoscopy Direct Observation of Procedural Skills: Evidence of Validity and Competency Development. Siau K, Levi R, Iacucci M, Howarth L, Feeney M, Anderson JT, Tzivinikos C, Thomson M, Narula P. *J Pediatr Gastroenterol Nutr*. 2019 Jul;69(1):18-23.
32. Evaluation of a European-wide survey on paediatric endoscopy training. Broekhart I, Jahnel J, Moes N, van der Doef H, Ernst A, Amil-Dias J, Thomson M, Tzivinikos C. *Frontline Gastroenterology*. 2019;10(2);188-93.
33. Pediatric Endoscopy and High Risk Patients: A Clinical Report from the NASPGHAN Endoscopy Committee. Lightdale J, Liu Q, Saha B, Troendle D, Thomson M, Fishman D. On behalf of the NASPGHAN Endoscopy and Procedures Committee. *JPGN*. 2019;68(4):595-606.

34. Sub-10-minute High-quality Diagnostic Colonoscopy With Terminal Ileum Intubation in Children Is Feasible and Safe. Thomson M, Eltumi M, Singh C, Eyles M, Shah N, Chong S, Thapar N, D'Ambrosio S, Isoldi S. *JPGN*. 2019;69(1):6-12.
35. Diagnosis and management of children with Blue Rubber Bleb Nevus Syndrome: A multi-center case series. Isoldi S, Belsha D, Yeop I, Uc A, Zevit N, Mamula P, Meneloas Loizedes A, Tabbers M, Cameron D, Day A, Abu-El-Haiji M, Chongsrisawat V, Briars G, Lindley K, Koglmeyer J, Shah N, Harper J, Batul Syed S, Thomson M. *Digestive and Liver Disease*. 2019;51:1537-46.
36. Endoscopic Procedure Complications. Attard TM, Grima AM, Thomson M. *Curr Gastroenterol Rep*. 2018;20(10):48.
37. The Use and Safety of a Novel Haemostatic Spray in the Endoscopic Management of Acute Nonvariceal Upper Gastrointestinal Bleeding in Children. Thomson M, Urs A, Narula P, Rao P, Belsha D. *J Pediatr Gastroenterol Nutr*. 2018(Sep);67(3):e47-e50.
38. Intra-gastric balloon as an adjunct to lifestyle programme in severely obese adolescents: impact on biomedical outcomes and skeletal health. Sachdev P, Reece L, Thomson M, Natarajan A, Copeland RJ, Wales JK, Wright NP. *Int J Obes (Lond)*. 2018(Jan);42(1):115-8.
39. Management of hyperplastic gastric polyp following upper gastrointestinal bleeding in infant with Menkes' disease. Belsha D, Narula P, Urs A, Thomson M. *World J Gastrointest Endosc*. 2017;9(7):341-5.
40. Mortality associated with gastrointestinal bleeding in children: A retrospective cohort study. Attard TM, Miller M, Pant C, Kumar A, Thomson M. *World J Gastroenterol*. 2017;23(9):1608-17.
41. Intra-gastric balloon as an adjunct to lifestyle support in severely obese adolescents; impact on weight, physical activity, cardiorespiratory fitness and psychosocial well-being. Reece LJ, Sachdev P, Copeland RJ, Thomson M, Wales JK, Wright NP. *Int J Obes (Lond)*. 2017(Apr);41(4):591-7.
42. Readmission after GI bleeding: a retrospective cohort study. Attard T, Miller M, Pant C, Thomson M. *J Pediatr*. 2017;184:106-13.
43. Effectiveness of Double-balloon Enteroscopy-facilitated Polypectomy in Pediatric Patients With Peutz-Jeghers Syndrome. Belsha D, Urs A, Attard T, Thomson M. *J Pediatr Gastroenterol Nutr*. 2017(Nov);65(5):500-2.

44. Diagnostic Yield of Upper and Lower Gastrointestinal Endoscopies in Children in a Tertiary Centre. Thomson M, Sharma S. *J Pediatr Gastroenterol Nutr.* 2017 (Jun);64(6):903-6.
45. Coeliac disease in the pediatric population. Belsha D, Thomson M, Hamdan. *Medical Journal.* 2016;9:333-6.
46. The use of intra-gastric balloons as an adjunct to a life-style support programme to promote weight loss in severely obese adolescents. Reece L, Wright N, Sachdev P, Thomson M, Wales J, Copeland R. *Journal of Child and Adolescent Behavior.* 2016;2(5):1-10.
47. Assessment of the safety and efficacy of Percutaneous Laparoscopic Endoscopic Jejunostomy (PLEJ): a novel technique and retrospective case series study. Belsha D, Thomson M, Dass D, Lindley R, Marven S. *Journal of Pediatric Surgery.* 2016;51:513-8.
48. 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. *Journal of Pediatric Gastroenterology and Nutrition.* 2015;60:632-6.
49. A rare cause for severe recurrent lower gastrointestinal bleeding in a 12 year old patient. Belsha D, Thomson M, Jackson O, Hughes D, Cohen M, Murthi G. *Journal of Pediatric Surgical Case Reports.* 2015;3:367-70.
50. Challenges of banding jejunal varices in an 8-year-old child. Belsha D, Thomson M. *World Journal of Gastrointestinal Endoscopy.* 2015;7(19):1350-4.
51. Utilisation of magnets to enhance gastrointestinal endoscopy. Rahman I, Patel P, Boger P, Thomson M, Afzal NA. *World Journal of Gastrointestinal Endoscopy.* 2015;7(19):1306-10.
52. Diagnostic and therapeutic utility of double balloon enteroscopy in children. Urs A, Martinelli M, Rao P, Thomson M. *Journal of Pediatric Gastroenterology and Nutrition.* 2014;58(2):204-12.
53. 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.
54. 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.



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### **Refereed Journals - in Print – Reviews, Guidelines and Editorials**

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### **Refereed Journals - in Preparation - Original Articles**

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2. Anorexia nervosa presenting as superior mesenteric artery syndrome erroneously treated by gastro-jejunostomy prior to an attempt at refeeding. 2021. (In preparation)
3. Diagnostic yield and clinical contribution of wireless capsule endoscopy in children: a single centre experience of 500 cases. 2021. (In preparation)
4. CEAS and CMUSE and the use of sirolimus in children. 2021. (In preparation)
5. PTEN and mTOR inhibitor use in children. 2021. (In preparation)
6. How to set up an acute GI endoscopy bleeding rota for a children's regional service. Thomson M, Rao P, Narula N, Urs A. *JPGN*. (In preparation)
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### **CHAPTERS:**

- o 1. "Disorders of the oesophagus and stomach in infants." Chapter 2 in Bailliere's "Clinical Gastroenterology". Ed: J.A.Walker-Smith. 1997.
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- o 10. "Colonoscopy and Enteroscopy" for 4th Edition of Pediatric Gastrointestinal Diseases. Ed: Walker, Durie, Hamilton, Walker-Smith, Sanderson. Mosby. 2004.
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- o 16. "Development, Anatomy and Physiology of the Esophagus" Wylie and Hyams. 2006. Elsevier.
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- o 22. "High magnification chromo-endoscopy", In: Atlas of Confocal Endomicroscopy. Ed: Keisslich R. 2007.
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- o 29. "Gastroenterology". In: "Easy Paediatrics" Sidwell R and Thomson M. Royal Society of Medicine Printing Press. 2011.
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- o 49. "Esophagitis; causes other than reflux". In: "Disorders of the Esophagus and Stomach in Infants and Children". Ed: Foker J, Holcomb G, Khan K, Thomson M, Till H. Springer. 2016.
- o 50. "Endoscopy in the diagnosis of GER". In: "Disorders of the Esophagus and Stomach in Infants and Children". Ed: Foker J, Holcomb G, Khan K, Thomson M, Till H. Springer. 2016.
- o 51. "The child with heartburn". In: "Disorders of the Esophagus and Stomach in Infants and Children". Ed: Foker J, Holcomb G, Khan K, Thomson M, Till H. Springer. 2016.
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- o 53. "Upper GI endoscopy in gastropathology". In: "Disorders of the Esophagus and Stomach in Infants and Children". Ed: Foker J, Holcomb G, Khan K, Thomson M, Till H. Springer. 2016.
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- 56-82. Twenty six Chapters in 'Practical Paediatric Gastrointestinal Endoscopy' Third Edition. Ed: Gershman and Thomson. Wiley. 2021.
- 83. "Modern endoscopic approaches to the evaluation of inflammatory bowel disease". In: Pediatric Inflammatory Bowel Disease. Ed: Mamula P et al. Springer. 2021.
- 84. Advances in upper GI endoscopic therapeutics in children. In: Paediatric Endoscopy and Sedation. Frontiers in Pediatrics. Ed: Shaoul R, Day A, Lightdale J. 2021.
- 85. Endoscopic anti-reflux procedures in children. In: GERD in children. Ed: Vandenas Y. 2021.

#### BOOKS:

“Concise Paediatrics.” pp1-546. Sidwell R and Thomson M. Greenwich Medical Media, Nov 2000.

“Q-Base. Paediatric MCQs” Thomson M and Sidwell R. Greenwich Medical Media, 2001.

“MCQs for MRCP and DCH 2005” Sidwell R and Thomson M. 2002.

“Endoscopy in children” Murphy M, Cadranel S, Mougnot J-F, and Winter H. (Associate Editor Thomson M). 2006.

“Q-Base. Paediatric MCQs” Thomson M and Sidwell R. Cambridge Medical Press, 2008.

“Concise Paediatrics.” pp1-583. Second Edition. Sidwell R and Thomson M. Greenwich Medical Media, 2009.

“Easy Paediatrics” Sidwell R and Thomson M. Royal Society of Medicine Press, 2011.

“Practical Pediatric Gastrointestinal Endoscopy” Gershman G and Thomson M. Second Edition. Wiley-Blackwell, 2012.

“Disorders of the Esophagus and Stomach in Childhood.” Ed: Till H, Thomson M, Foker J, Holcomb G, Khan K. Springer. 2017.

“Concise Paediatrics.” Third Edition. Sidwell R and Thomson M. RSM Press. 2017.

“Practical Pediatric Gastrointestinal Endoscopy” Gershman G and Thomson M. (eds) Third Edition. Oxford. Wiley. 2021.

Invited lectures and specific presentations:

1. Yorkshire Paediatric Society Meeting, November 1989:  
"A case of cystic fibrosis with transient hyperphosphataemia".
  2. Eleventh International Cystic Fibrosis Conference in Dublin, August 1992:  
"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 4<sup>th</sup> Meeting York. 11<sup>th</sup> 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. 2<sup>nd</sup> May 2000. “Allergic oesophagitis”.

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

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

30. Invited Guest Lecture. Infant Nutrition Symposium. Diagnosis and management of infant GOR. Southampton. 15<sup>th</sup> 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. 25<sup>th</sup> Sep 2001.

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

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



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

50. BSPGHAN Winter Meeting. Wireless capsule endoscopy in paediatric GI investigation. Dublin 24<sup>th</sup> January 2003.
51. Grand Round Royal Free Hospital. Wireless capsule endoscopy in paediatric GI investigation. January 29<sup>th</sup> 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. 18<sup>th</sup> February 2003. Gastro-oesophageal reflux in infants and children.
62. S African GI Masterclass, Cape Town. 18<sup>th</sup> February 2003. Recurrent abdominal pain in children revisited.
63. Paediatric GI allergy meeting, SHS, Royal College of Physicians, London. 2<sup>nd</sup> March 2003. Allergic oesophagitis.
64. Dublin Children’s Hospital Grand Round. 11<sup>th</sup> March 2003. Paediatric endoscopic anti-reflux procedures.
65. British Society of Gastroenterology. Birmingham. 25<sup>th</sup> March 2003. Endoscopic fundoplication for the treatment of paediatric gastro-oesophageal reflux disease.

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

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

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

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

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

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



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

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

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

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

- 275-80. Tenth Paediatric Hands-On Colonoscopy Course. Six Lectures. 14<sup>th</sup>-15<sup>th</sup> January 2008. Sheffield Children's Hospital.
281. Paediatric Anaesthetic Lecture: Unusual GI procedures and their anaesthetic implications. 21<sup>st</sup> January 2008. Sheffield Children's Hospital.
- 282-6. Third Paediatric Hands-On Colonoscopy Consultant Course. Six Lectures. 4<sup>th</sup>-5<sup>th</sup> February 2008. Sheffield Children's Hospital.
287. Invited lecture. Milupa Learning Curve Meeting. Cow's milk protein allergy and dairy intolerances: drawing a distinction. 20<sup>th</sup> February 2008. Leeds.
288. Invited lecture. Inaugural Confocal Endomicroscopy International Meeting. Confocal endomicroscopy in children. 5<sup>th</sup> April 2008. Milan, Italy.
289. Invited lecture. Merseyside Gut Club. Advanced paediatric endoscopy. 17<sup>th</sup> April 2008. Liverpool, UK.
- 290-5. Eleventh Paediatric Hands-On Colonoscopy Course. Six Lectures. 19<sup>th</sup>-20<sup>th</sup> May 2008. Sheffield Children's Hospital.
296. Keynote Lecture. 60<sup>th</sup> Bill Nelson Paediatric Oesophageal Symposium. Endoscopic approaches to gastro-oesophageal reflux in childhood. 21<sup>st</sup> May 2008. Institute for Child Health, London, UK.
297. International GP Update Symposium. Update on gastro-oesophageal reflux. 26<sup>th</sup> May 2008. Montenegro.
298. International GP Update Symposium. Childhood recurrent abdominal pain. 27<sup>th</sup> May 2008. Montenegro.
299. International GP Update Symposium. Diarrhoea in childhood: a practical approach. 27<sup>th</sup> May 2008. Montenegro.
300. Keynote Lecture. United Arab Emirates International Paediatric Gastroenterology Convention. Advances in paediatric endoscopy. 17<sup>th</sup> June 2008. Qatar.
301. Keynote Lecture. United Arab Emirates International Paediatric Gastroenterology Convention. Paediatric endoscopy: the future. 17<sup>th</sup> June 2008. Qatar.
- 302-7. Twelfth Paediatric Hands-On Colonoscopy Course. Six Lectures. 23<sup>rd</sup>-24<sup>th</sup> June 2008. Sheffield Children's Hospital.
308. Invited Lecture. British Paediatric Research Society. Gastro-oesophageal endoscopic surgery in childhood respiratory disorders. 4<sup>th</sup> July 2008. Sheffield.

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

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

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



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

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

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

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

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

483. Therapeutic Colonoscopy. Second Annual International Asian/Indian Paediatric Gastroenterology Meeting. 11<sup>th</sup> September 2014. Delhi, India.
484. Endoscopic stricture therapy in childhood. Invited Lecture. United European Gastroenterology Week. Vienna. 19<sup>th</sup> September 2014.
485. Upper GI Bleeding in Children: optimal endoscopic management. Invited Lecture. United European Gastroenterology Week. Vienna. 19<sup>th</sup> 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. 28<sup>th</sup> January 2015. Stratford-Upon-Avon.
492. Development of the Sheffield scoring system for endoscopic intervention in children with acute upper GI bleeding. 30<sup>th</sup> January 2015. Stratford-Upon-Avon.
493. Endoscopic assessment v faecal calprotectin in the assessment of children with IBD. 17<sup>th</sup> March 2015. RCPCH IBD Meeting. London.
494. Colonoscopy basic technique. Training the Trainers Course. 19<sup>th</sup> March 2015. National Endoscopy Training Centre, Sheffield.
495. Polypectomy technique and pitfalls. Training the Trainers Course. 19<sup>th</sup> March 2015. National Endoscopy Training Centre, Sheffield.
496. Colonoscopy basic technique. Basic Colonoscopy Course. 23<sup>rd</sup> April 2015. National Endoscopy Training Centre, Sheffield.
497. Polypectomy technique and pitfalls. Training the Trainers Course. 24<sup>th</sup> April 2015. National Endoscopy Training Centre, Sheffield.
498. Basic colonoscopy technique. 7<sup>th</sup> May 2015. ESPGHAN Annual Meeting. Amsterdam.
499. Development of the Sheffield scoring system for endoscopic intervention in children with acute upper GI bleeding. 8<sup>th</sup> May 2015. ESPGHAN Annual Meeting. Amsterdam. 7<sup>th</sup> May 2015. ESPGHAN Annual Meeting. Amsterdam.
500. Stricture management by endoscopy in children. 7<sup>th</sup> May 2015. ESPGHAN Annual Meeting. Amsterdam. 7<sup>th</sup> May 2015. ESPGHAN Annual Meeting. Amsterdam.
- 501-2. Colonoscopy basic technique. Training the Trainers Course. 25<sup>th</sup> June 2015. National Endoscopy Training Centre, Sheffield.

503. Polypectomy technique and pitfalls. Training the Trainers Course. 25<sup>th</sup> June 2015. National Endoscopy Training Centre, Sheffield.
- 504-13. ESPGHAN Endoscopy Summer School. 14<sup>th</sup>-19<sup>th</sup> September 2015. Sheffield. 8 lectures.
514. UEGW. 26<sup>th</sup> October 2015. Vienna. Pediatric endoscopy Guidelines.
- 515-16. Colonoscopy basic technique. Training the Trainers Course. 11<sup>th</sup> November 2015. National Endoscopy Training Centre, Sheffield.
- 517-18. Colonoscopy basic technique. Training the Trainers Course. 25<sup>th</sup> November 2015. National Endoscopy Training Centre, Sheffield.
- 519-21. 4<sup>th</sup> Pan-Arab Pediatric Gastroenterology Conference. Abu Dhabi. 4<sup>th</sup>-6<sup>th</sup> May 2016. Pediatric endoscopy training and stricture management and GI bleeding.
- 522-8. ESPGHAN. 48<sup>th</sup> Annual meeting. Athens. 23<sup>rd</sup>-27<sup>th</sup> May 2016. 7 lectures on different aspects of pediatric endoscopy.
529. GORD and allergy. National Allergy and Reflux Meeting. 16<sup>th</sup> June 2016. Sheffield.
530. Bariatric endoscopy in adolescents. BSG. Liverpool. 22<sup>nd</sup> June 2016.
531. Basic Paediatric Colonoscopy. National Colonoscopy Hands-On Course. 28<sup>th</sup> September 2016.
532. Polypectomy – the basics. National Colonoscopy Hands-On Course. 29<sup>th</sup> September 2016.
533. Advanced Paediatric Endoscopy Training. World Congress of Paediatric Gastroenterology Hepatology and Nutrition. Montreal. 6<sup>th</sup> October 2016.
534. Advances in Paediatric Endoscopy. Visiting Professor. Kansas City Children's Mercy Hospital. 17<sup>th</sup> November 2016.
535. NICE Guidance on GOR. National HV LWR Conference. London. 30<sup>th</sup> November 2016.
536. The use of a novel haemostatic agent Hemospray® in the endoscopic treatment of acute GI bleeding in children. BSPGHAN National Annual Meeting. Glasgow. 26<sup>th</sup> Jan 2017.
537. Training the Trainer for paediatric colonoscopy. Sheffield National Training Centre. 9<sup>th</sup> March 2017.

538. Basic colonoscopy training for paediatrics. Sheffield National Training Centre. 26<sup>th</sup> April 2017.
539. Polypectomy basics. Sheffield National Training Centre. 27<sup>th</sup> April 2017.
540. Acute upper GI bleeding management by endoscopy in children. Keynote Lecture. Ljubiana. 2<sup>nd</sup> June 2017.
541. Tips for learning about basic techniques in ileo-colonoscopy in children. ESPGHAN School. Athens. 8<sup>th</sup> June 2017.
542. Variceal bleeding treated by endoscopy in children. ESPGHAN School. Athens. 8<sup>th</sup> June 2017
543. Training the Trainers in paediatric endoscopy. ESPGHAN School. Athens. 9<sup>th</sup> June 2017.
544. Nasendoscopy in children. ESPGHAN School. Athens. 9<sup>th</sup> June 2017.
545. GI Bleeding Management. SASPGHAN. Stirling. 17<sup>th</sup> November 2017.
546. Urgent GI bleeding. Trent/SY Paediatrics. Sheffield. 7<sup>th</sup> December 2017.
547. Endoscopy and EE. Ljubana. 12<sup>th</sup> January 2018.
548. ESPGHAN Endoscopy overview. Geneva. 9<sup>th</sup> February 2018.
549. ESPGHAN Endoscopy vision for Europe. Ljubana. 22<sup>nd</sup> February 2018.
- 550-2. National Colonoscopy Training Lectures. Sheffield. 22<sup>nd</sup>-23<sup>rd</sup> March 2018.
- 553-5. ESPGHAN Endoscopy Lectures at Endoscopy LZ. 9<sup>th</sup>-12<sup>th</sup> May 2018.
- 556-8. National Colonoscopy Training Lectures. Sheffield. 24<sup>th</sup>-25<sup>th</sup> May 2018.
559. Strictures. Rome Therapeutic Endoscopy Course. Rome. 13<sup>th</sup> June 2018.
- 560-3. ESPGHAN Endoscopy Summer School. 4 Lectures. Braga. 27<sup>th</sup>-29<sup>th</sup> September 2018.
- 564-5. ESPGHAN/NASPGHAN Endoscopy QI Meeting. 2 lectures. Florida. 27<sup>th</sup>-28<sup>th</sup> October 2018.
- 566-8. National Colonoscopy Training Lectures. Sheffield. 29<sup>th</sup>-30<sup>th</sup> November 2018.



569. ESPGHAN GIC. 5 year plan for the ESPGHAN Endoscopy SIG. Naples. February 1<sup>st</sup> 2019.
- 570-2. National Colonoscopy Training Lectures. Sheffield. 28<sup>th</sup> February-1<sup>st</sup> March 2019.
- 573-5. National Colonoscopy Training Lectures. Sheffield. 28<sup>th</sup> March – 29<sup>th</sup> March 2019.
576. GI endoscopy bleeding in children. ESGE Days. Endoscopy Meeting. Prague. 4<sup>th</sup> -5<sup>th</sup> April 2019.
577. IBD Endoscopy in children. ESGE Days. Endoscopy Meeting. Prague. 4<sup>th</sup> -5<sup>th</sup> April 2019.
- 578-81. ESPGHAN Live Endoscopy with lectures. Sheffield and Glasgow. 6<sup>th</sup>-7<sup>th</sup> June 2019.
- 582-4. Advances in paediatric endoscopy. ESPGHAN Endoscopy Meeting. Athens. 19<sup>th</sup>-21<sup>st</sup> June 2019. OTSC. Colonoscopy – easy ways to the TI.
585. Presentation on Endoscopy SIG Strategy. ESPGHAN GIC. Thursday 5<sup>th</sup> September 2019.
586. GI Bleeding in Paediatrics: Endoscopic Management. Belaruss Paediatric Endoscopy Meeting. Minsk, Belaruss. 10<sup>th</sup> September 2019.
587. Tips on Ileo-colonoscopy in children. Belaruss Paediatric Endoscopy Meeting. Minsk, Belaruss. 10<sup>th</sup> September 2019.
588. Advanced Endoscopy Imaging Techniques in Paediatrics. Belaruss Paediatric Endoscopy Meeting. Minsk, Belaruss. 10<sup>th</sup> September 2019.
- 589-91. National Colonoscopy Training Lectures. Sheffield. 26<sup>th</sup> September – 27<sup>th</sup> September 2019.
592. How to get to the ileum in under 10 minutes. Belgian Paediatric Endoscopy Society Meeting. Brussels. 12<sup>th</sup> October 2019.
593. Advanced endoscopy in children. Belgian Paediatric Endoscopy Society Meeting. Brussels. 12<sup>th</sup> October 2019

## 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	>15000
Foreign Body retrieval	170
Oesophageal dilatation	150
Achalasia pneumatic dilatation	38
Percutaneous gastrostomies	330
Single stage PEG placement	21
Percutaneous jejunostomies	55
Oesophageal varices sclerosis	39
Oesophageal varices banding	100
Endoscopic haemostasis clips	300
Over-The-Scope-Clips	18
Argon plasma coagulation	250
Endoscopic pancreatic function tests	25
ERCP	40
Push enteroscopy	10
Laparoscopic-assisted enteroscopy	28
Endoscopic fundoplications	63
Full thickness endo-fundoplications	27
Double-balloon enteroscopy	155
Single-balloon enteroscopy	3
Wireless endoscopic capsule	510
Confocal microendoscopy	56
Intra-gastric bariatric balloons	21
Duodenal web division	9
Pancreatic cysto-gastrostomy	10
Hemospray application	21

2. Ileo-colonoscopy:

Total	>12000
Polyp removal cases	500
Stricturoplasty	23
Confocal microendoscopy	44
Percutaneous caecostomy	5

3. Manometry:

Oesophageal	43
Ano-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.

Role of mast cells in paediatric GI diseases. Sheffield Children's Hospital Charity Grant. 2017. £4,800.

Grant for gastrointestinal motility/manometry in children. Sheffield Children's Hospital Charity Grant. 2019. £95,000.

Robotic wireless capsule video endoscopy in children. Sheffield Children's Hospital Charity Grant. 2020. £15,000.

Grant for virtual Symbionix endoscopic simulator trainer. Sheffield Children's Hospital Charity Grant. 2021. £52,000.

**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, 2013-17.

**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.

Course Organiser for GI/Hepatology Module for Year 1 Sheffield University Medical School. 2013-2017.

**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 at the time the only one world-wide. London. 1995-2005.

Helped to arrange the Annual Paediatric Gastroenterology Course organized by Professor Alan Phillips, and set up by Professor John Walker-Smith. London. 1994-2005.

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

Organiser of First ESPGHAN Endoscopy Summer School in Durham. July 2007 and Third in Sheffield September 2015.

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.

Organiser of the Endoscopy Learning Zone at the Annual ESPGHAN Meeting, 2015 to date.

Trainer on the World Congress Hands-On Endoscopy Training Area. Montreal 2016

Trainer of Paediatric Endoscopy at the Endoscopy Learning Zone, UEGW annually.

#### 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 Children’s Hospital NHS Foundation 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, Hepatology and Nutrition  
 British Association of Parenteral and Enteral Nutrition (previously)  
 British Society of Gastroenterology  
 European Society of Paediatric Gastroenterology, Hepatology and Nutrition  
 European Society of Gastrointestinal Endoscopy  
 Association of Clinical Specialists

#### POSITIONS:

Chairman of the European Working Group on Paediatric Endoscopy. 2009 to date.

Member of the Gastroenterology Committee of ESPGHAN from 2005-2008, 2019 to date.

Member (previous Chair) of the Adolescent Section of the British Society of Gastroenterology.

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

Associate Editor of Journal of Pediatric Gastroenterology and Nutrition 2013-2020.

Expert Advisor on GOR Clinical Development Group for NIHCE 2013-16.

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.

Secretary of Royal Society of Medicine for Paediatrics.

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 for the following Journals:

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,  
World Journal of Gastroenterology,  
World Journal of Gastrointestinal Endoscopy.

**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

Skiing – downhill and ski-mountaineering

Wild water swimming

Diving

Mountain and road biking

Rock/ice-climbing

Guitar

Squash (Past Sheffield Hallamshire Team player, 1st V University)

Rugby Union, 1st/2nd XV University

REFEREES:

To be forwarded as agreed at appropriate juncture.