

CURRICULUM VITAE

Mr Shailinder Jit Singh

MBBS MS DNB MCh

FRCS I FRCS (Eng.) FRCS (Paed.)

FACS FAAP DM FISQUa MBA

Consultant (Attending) Paediatric Surgeon

Chairman Medical Staff Committee

BAPS Representative to the Royal College of Surgeons in England

April 2026

PERSONAL DETAILS

Nationality:

- *British*
- *Overseas Citizen of India*
- *Permanent Resident of the USA*

Office Address:

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Nottingham University Hospitals NHS Trust
Queen's Medical Centre
Nottingham NG7 2UH

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0044 115 9249924 Ext 82091 (Office)
0044 115 8540594 (Home)

Email:

shailinder.singh@nuh.nhs.uk
shailinderjitsingh@gmail.com

**Home and
Correspondence Address:**

2 Kingsbridge Way, Bramcote,
Nottingham NG9 3LW, United Kingdom.

Website:

shailindersingh.co.uk

PERSONAL STATEMENT

Currently, I am a Consultant Paediatric Surgeon at Nottingham University Hospitals NHS Trust in Nottingham, UK. I am also Co-Chairman of the Medical Staff Committee, where I represent 1000 plus consultants from all specialties to the Hospital Board.

In India, I started my career as a trainee in Surgery at the Postgraduate Institute of Medical Education and Research (PGIMER) in Chandigarh (India) in 1987. Having completed six years of General and Paediatric Surgery, I was appointed Assistant Professor of Paediatric Surgery at PGIMER in 1993.

UK, Kuwait, Australia. I moved to the United Kingdom in 1994 and completed four years of higher paediatric surgical training, leading to a Certificate of Completion of Surgical Training (CCST). I then worked in Kuwait as a 'visiting Professor in Paediatric Surgery' for four months. This was followed by two and a half years of fellowship in clinical research at the Children's Hospital at Westmead, Sydney. I served as a Consultant (Attending level) for 1 year, taking emergency duties.

In the UK, I was appointed as Consultant Paediatric Surgeon in 2001 at Nottingham University Hospitals (NUH) NHS Trust, Nottingham, UK. Following my interest developed in Australia, I went on to establish the now Bastow Clinical Investigative Unit in Paediatric Gastrointestinal Physiology at Nottingham University Hospitals. The Bastow Unit is now completely functional and is well recognised both nationally and internationally. I was invited by the Ministry of Health in Kuwait to set up a similar facility there. The Bastow Unit has produced original and pioneering research on pelvic ultrasound (for the diagnosis of megarectum) and gastric emptying studies in children. I was awarded the *degree of DM (Doctor of Medicine) from the University* of Nottingham in 2008 for my research and dissertation on the surgical management of constipation. I was involved in work on the WHO checklist during my time at Nottingham in 2010. I have served as Lead Clinician (*Division Chief*), Service Lead for Children's Surgery and Critical Care (*Surgeon in Chief* and Chief of Paediatric Intensive Care), Service Lead for Children's Surgery and Paediatric Gastroenterology (Surgeon in Chief with Chief of Paediatric Gastroenterology) at Nottingham University Hospital, UK. I have also served as Programme Director for Paediatric Surgery at NUH.

In the USA, I held two academic appointments. The first one was at Children's National Medical Centre in Washington, DC. There, I took on the role of Attending Paediatric Urologist and Paediatric Surgeon, which gave me insight into medical training and the health care delivery system in North America. The second one I just finished in August 2019 at West Virginia University Hospitals, West Virginia, USA, for 2 years and 3 months. I served as Associate Professor of Paediatric Surgery and *Chief of Paediatric Surgery*.

Throughout my career in medicine spanning over 25 years, I have consistently received positive feedback on my leadership style from both junior and senior colleagues. This encouraged me to take formal management courses. I received a *Master of Business Administration (MBA) from the University of Warwick (UK)* in July 2009.

Based on my experience *working in 5 countries across various disciplines (clinical medicine, teaching and research, and leadership roles in the health sector)*, along with my passion to serve children, will stand me in good stead to do full justice to any leadership position in the Medical Field.

CURRENT POSTS/ROLES

| Post and Organization | About Role | Tenure |
|---|--|---|
| BAPS Representative to Royal College of Surgeons in England | <ul style="list-style-type: none"> Elected position by national election from all the members of BAPS The position is for 4 years Member of Council of Royal College of Surgeons (RCS) England. Represent Children's Surgery at Council Voting right as member, including election for the election of President and Vice President Position of the RCS England. British Association of Paediatric Surgeons (BAPS) | Sept 2022-present |
| Co-Chairman Medical Staff Committee for Queen's Medical Centre (QMC) campus of Nottingham University Hospitals (NUH) | <ul style="list-style-type: none"> Elected position, elected by 1000 plus consultants. Work with Co-Chair from City Hospital Nottingham to represent Consultants to the NUH Trust Board. Chair/Co Chair six meeting a year attended by teams by all Consultants and Medical Director and CEO and other executive directors (depending on Agenda). Work closely with Executive and Non-executive directors for NUH's strategy and goals, vision, and missions. Part of various important groups in NUH such as Local negotiation Council, (LNC) Equality, Diversity, and Inclusion (EDI) committee, Culture committee. | Feb 2017 – May 2019 Sep 2019 – present |
| Chair Children's Surgery Group (CSG) reporting to President of Royal College of Surgeons in England | <ul style="list-style-type: none"> Chair two meeting a year with representatives from all the children's surgical specialties (Neurosurgery, Plastic surgery, Orthopedic surgery) and representative from Royal College of Paediatric and Child health). All issues relating to children's surgery are discussed and relevant Head of various groups such as Director of Get It Right First (GIRF) and President of BAPS are invited depending on agenda. | Sep 2022 – present |

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|--|--|-------------------------|
| Member CRG Children's Surgery | Clinical Reference Group (CRG) is a National body under the NHS To streamline guidelines and services in Children's surgery across England | Feb 2023-present |
| Parliamentary Ombudsman London UK | Parliamentary Ombudsman addresses complaint on om medical aspect of all specialties including Paediatric surgery. I get contacted routinely where a specific clinical matter requires the knowledge and expertise of Paediatric Surgery. I write the report to enable a lay caseworker to decide about a case. Clinical advice provided is clinically credible, evidence-based, and understandable responses to questions about the specific clinical issues complained about. | March 2015 - present |
| Representative to Royal College of Surgeons of England for East midland region | Representative for Royal College of Surgeons at various Consultant Surgeons' interviews involving all children's surgical specialties. Attend meeting of East midland Royal College of Surgeons groups four times and year and represent Paediatric Surgery on teaching and training related issues for the region of East Midland. | April 2015- present |
| Representative to British Medical Association (BMA) East midland region | BMA is one of the prominent organization representing doctors of all grades (General Practioners (GPSs), Junior Doctors, SAS doctors and Consultants). This position is through election. | November 2022 – present |
| Author and on Editorial Board of EODO Health Care | I am author for all the Paediatric Surgery Leaflets written by EIDO and edit and update them on to yearly basis with incorporation of new literature. | |
| Member Treasury Committee British Association of Paediatric Surgeons (BAPS) | British Association of Paediatric Surgeons (Equivalent of APSA in USA) is the main body representing Paediatric Surgeons of UK. I am involved in matters and fundraising for BAPS. | Jan 2020-present |

**Joint
College/Specialty
Association
representative on the
SAC in Paediatric
Surgery**

Joint Committee on Surgical Training

August 2023

SIGNIFICANT CLINICAL POSTS

| Post | Institution | Tenure |
|--------------------------------------|--|---------------------------|
| Consultant Paediatric Surgeon | Nottingham University Hospitals Nottingham (UK) | May 2001 – present |
| Chief of Pediatric Surgery | West Virginia University Hospital Morgantown, WV 26506 | Sep 2018 - Aug 2019 |
| Associate Professor | West Virginia University Hospital Morgantown, WV 26506 | May 2017 - Sep 2019 |
| Attending Pediatric Urologist | Children's National Medical Centre, Washington DC (USA) | Jul 2009 - Jul 2010 |
| Visiting Professor | IBN SINA Hospital, Kuwait | |
| Assistant Professor | Post Graduate Institute of Medical Education and Research, Chandigarh, INDIA | Sept 1993-June 1994 |

PREVIOUS SIGNIFICANT POSTS

| | | |
|---|---|----------------------|
| Program Director for Paediatric Surgery | University Hospital Queen's Medical Centre Nottingham | Sep 2004 – Apr 2008 |
| Service Lead for Children's Surgery and Critical Care | University Hospital Queen's Medical Centre Nottingham | Dec 2007 - Jul 2009 |
| Head of Bastow Laboratory | University Hospital Queen's Medical Centre Nottingham | Jun 2001 - present |
| Lead Clinician for Paediatric Surgery | University Hospital Queen's Medical Centre Nottingham | Aug 2010 - Apr 2012 |
| Service Lead for Children's Surgery and Critical Care | University Hospital Queen's Medical Centre Nottingham | May 2012 - Jan. 2014 |

ACADEMIC EXCELLENCE (AWARDS/DISTINCTIONS/MEDALS)

| | | | |
|--------------|--|---------------|-------------------------------------|
| 1st place in | Surgery Medicine Biochemistry MBBS Final Professional Clinical Midwifery | 2nd place in: | Pharmacology Forensic Medicine |
| | | 3rd place in | Physiology MBBS 1st Professional |

| | | |
|--|--|---|
| MBBS | Guru Nanak Dev University Amritsar, India | Best Graduate of Medical College of Amritsar for the Year 1985 |
| Entrance test for admission to Medical School (A-Level) | Guru Nanak Dev University Amritsar, India | 1 st in university |
| Pre-University (AS Level) | Guru Nanak Dev University Amritsar, India | 1 st in university |
| Matriculation (GCSE) | Punjab School Education Board, India | 1 st in District |

Pfizer Gold Medalist

| | |
|------------------|---|
| Distinctions in: | Physiology Pharmacology Forensic Medicine |
|------------------|---|

First Position in Intercollegiate Board of Paediatric Surgery Exam (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland)

TEACHING AWARD FOR UNDERGRADUATE TEACHING

I am passionate about undergraduate teaching. I always give an introductory lecture on Paediatric Surgery and regularly provide a tutorial on 'Fluid and Electrolyte imbalance and Acid-base disturbance' to undergraduates. I received consistent positive feedback and was awarded the University of Nottingham's Outstanding Teaching Award in 2012.

TEACHING AWARD FOR POSTGRADUATE TEACHING

I received the "Outstanding Attending Surgeon" Award, established in honour of Bernard Zimmermann, MD. It was presented to me in June 2018 at West Virginia University Hospitals in recognition of outstanding contribution to resident education in 2017-2018.

VISITING PROFESSORSHIP

I was a visiting professor at the Cincinnati Children's Hospital in Ohio, USA. I visited the hospital in May 2004 for four days and gave a talk to the Department of Paediatric Surgery titled "How we manage Constipation in Children in Nottingham". The visit was beneficial, and I have established links with this centre for British Paediatric Surgical Trainees to undergo paid fellowships in research or clinical areas.

LECTURER IN OVERSEAS WORKSHOPS

I delivered two lectures at the First Adriatic Seminar in Pediatric Surgery on Hirschsprung's Disease in Trieste (Italy) on 1-2 October 2004. The topics were "Manometry" and "Post-Operative Manometry". I was a member of the panel discussing "Diagnostics in Hirschsprung's Disease" and "Long Term Observation in Hirschsprung's Disease".

EXAMINER

- Member of the Court of Examiners of the Royal College of Surgeons of London (MRCS)
- Examiner for the Intercollegiate Board of Paediatric Surgery (FRCS Paed Surg.). (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland)
- Examiner for 'Doctorate of Medicine' for the University of Leeds, UK

REVIEWER FOR JOURNALS

1. Journal of Pediatric Surgery
2. Archives of Diseases of Childhood
3. The Journal of Pediatric and Child Health
4. Journal of Urology

**All Indexed Journals*

REGULAR INSTRUCTOR FOR COURSES

Basic Skills Course for Junior Surgical Trainees run by Intercollegiate Board of Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland

CCrisp Course - a course on critical care for surgical patients run by the Royal College of Surgeons of England

For British Army for course titled "War Surgeons of UK" (2004-2008)

MEDICAL REGISTRATION, MEMBERSHIP AND FELLOWSHIPS

Medical Registration

- West Virginia Board of Medicine
- District of Columbia Health Board, Washington, DC, USA
- Registration with the Punjab Medical Council, India
- Specialist Register of Paediatric Surgery with the General Medical Council, London, UK
- Permanent Registration General Medical Council, London, Registration No: 4369217 (Dated 12.12.1996)

Membership

- American Association of Pediatric Surgeons
- American Academy of Pediatrics
- British Association of Paediatric Surgeons
- Nottingham Medico-Chirurgical Society

Fellowships

- Fellow American College of Surgeons
- Fellow of the American Academy of Pediatrics
- Fellow of the Royal College of Surgeons of Ireland, Dublin
- Fellow of the Royal College of Surgeons in England, London

REFEREES

1. Mr. Bharat More

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2. Dr Anthony Sandler, MD

Senior Vice President and Surgeon-in-Chief

The Diane and Norman Bernstein Chair

The Joseph E. Robert, Jr. Centre for Surgical Care

Director of the Sheikh Zayed Institute for Pediatric Research

Professor of Surgery and Pediatrics

Children's National Hospital the George Washington University Medical Center

Children's National Medical Centre

111 Michigan Ave. NW.

Washington DC 20010

USA

Tel 001 202 467 2151

Email: asandler@cnmc.org

3. Dr Wallis Marsh, MD MBA

Chairman, Department of Surgery

West Virginia University Hospitals

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Morgantown, West Virginia 26505

USA

Tel: 001 304 293 1258

Email : Wallis.Marsh@hsc.wvu.edu

SALIENT ACHIEVEMENTS IN VARIOUS POSTS

A) ATTENDING PEDIATRIC SURGEON, INTERIM CHIEF OF PEDIATRIC SURGERY AND CHIEF OF PEDIATRIC SURGERY AT WVU

Clinical

I have been very busy clinically and have done some challenging cases that include Esophageal Atresia, Anorectal malformations, Intestinal atresia, and complicated necrotizing enterocolitis. I get very well with all the staff and residents. I get lots of notes of thanks from parents and children. The most challenging has been a child with pure oesophagal atresia with a gap of more than four vertebral bodies between its two ends, which I managed to join along with Dr Shorter. I applied a novel technique of circular myotomy of the upper pouch (a known technique with semicircular myotomy of the lower pouch (not described. This operation I did during my first week of joining. This case is being presented at 3rd International meeting in Pediatrics and Pediatric Surgery in Frankfurt in May 2018. We are in the process of writing it as a journal article.

Teaching

1) New Forums for Teaching of Postgraduates of General Surgery, Pediatrics and Neonatology

I have started two new academic meetings, one with Pediatrics and other with Neonatologist. They happen once a month. The meeting with Pediatrics involves Pediatric Surgical Department (entire staff, including Attending's, Residents) with Pediatric Residents and Pediatric Attendings. They happen on 4th Monday morning and last 45 minutes. The Pediatric Surgery team, led by me presents the case of the month, along with learning points and literature review. The meeting with neonatology happens again once a month on the first Thursday of every month. Her again The Pediatric Surgery team led by me presents some neonatal surgical topic. The purpose of these meetings is three-fold: 1) academic 2) building team approach and 3) disseminate important clinical teaching points for residents in Pediatrics, Residents and Fellows in Neonatology and General Surgical Residents posted in Pediatric Surgery.

2) Undergraduate Teaching

I am actively involved in undergraduate teaching and deliver a 1-hour lecture on Fluid and Electrolytes to every batch of undergraduates. Students appreciate this. I got excellent official feedback. I scored higher than peer faculty average in all the five categories: Overall teaching, Professionalism, Approachability, enthusiasm, feedback

I have given an introductory lecture on pediatric Surgery which is available as an online recording to all undergraduates.

3) Surgical Resident Teaching

I received Outstanding Attending Surgeon award for surgical resident teaching established in honor of Dr Bernard Zimmermann MD for 2017-2018

Research

I have been very grateful to WVU for granting me a \$40,000 pilot project on an enteral feeding device and for providing me with a dedicated day per week for research. I have been working in collaboration with the engineering department of WVU. The project seeks to design, fabricate, and test an enteral feeding tube system that delivers nutritional and/or medicinal fluids into the gastrointestinal (GI) tract of patients who have suffered a partial or complete loss of intestinal motility. With the application of engineering principles and computational fluid dynamics to determine the size and spacing of the holes, we have been able to make some prototypes. These prototypes ensure equal distribution along the length of the feeding tubes so that the entire intestinal tract can be uniformly irrigated with nutrients and medicines. They have been tested in engineering labs. Successfully. Now, we are working with Applied Medical Technology (AMT) -a company based in Cleveland, Ohio, as potential commercialization partners to transition these tubes to the commercial sector. Once the licensing agreement is signed between AMT and WVU, I envision those manufacturing prototypes. They can be tried for trophic feeds in neonates after Gastroschisis closure and stomas for Necrotizing Enterocolitis (NEC). Animal experiments will be required to test them for feeds in volume above trophic feeds. For that, I am liaising with the animal laboratory at Allegheny General Hospital in Pittsburgh. Successful implementation of these ideas will save lives that cannot afford TPN (developing world), save livers (in the developed world, where prolonged TPN without trophic feeds damages the liver), lower the length of hospital stays for short-term TPN dependent patients.

B) SERVICE LEAD FOR CHILDREN'S SURGERY AND CRITICAL CARE AT NUH IN NOTTINGHAM (UK)

1. Children's Trauma Services

Nottingham Children's Hospital is part of Nottingham University Hospitals (NUH) NHS Trust. NUH was granted the status of East Midland Trauma Centre in April 2012. Trauma services from other parts of the region were brought into the QMC in phases over two years. The above development had significant implications for the Management of Trauma in children. As Lead Clinician for Paediatric Surgery at NUH, I led the development of children's trauma services at QMC. The challenge was to make this service excellent and cost neutral. I had an excellent experience from working in Children's National Medical Centre in Washington DC; The Children's Hospital at Westmead, Sydney; Post Graduate Institute of Medical Education and Research, Chandigarh (India) - the significant Children's Trauma Centers. I led from the front, energized, came up with clear and straightforward guidelines to have safe and clear pathways. This has improved the care of trauma in children at NUH. The trauma unit has regular morbidity and mortality meetings where all cases of the week are discussed with no blame and learning culture. This trauma team has become a model team and is invited to share their experiences in the trust leadership and team building programs. This is an example of creating a win-win situation where the interests of the individual and departments were aligned with the intuitional vision, which is to provide the best quality service to children with trauma. This model is being looked with interest with various big Children's trauma centers nationally and internationally.

2. Collaboration between hospitals

I helped in achieving collaboration between Paediatric Surgical services at Derby Children's Hospital in Nottinghamshire (UK) and Nottingham University Hospitals (NUH) (the institution where I was Service lead). This was one of my achievements while I was 'Service Lead for Children's Surgery and Critical Care' at NUH in 2007-2009. Derby Children's Hospital did not have any Paediatric Surgeons at the site; the General Surgeons performed day-case children's Surgery. They needed help with the on-

call roster for Paediatric Surgery as well as elective work but could not attract a trained Paediatric Surgeon. The on-call cover was the only issue for NUH (a tertiary center for Paediatric Surgery). I could see the issues at both ends from each party's perspective. This was addressed with a joint appointment of a Consultant Paediatric Surgeon between Derby Children's Hospital and NUH. This new appointee started performing more complex surgical day cases and inpatient children's Surgery at Derby, joined on-call commitments at NUH and Derby, participated in weekly multidisciplinary meetings, and taught at NUH. This was complemented by all the Paediatric Surgeons from NUH helping the on-call roster for Paediatric Surgical emergencies at Derby. This win-win situation had a lot of stakeholders and required integrity, sincerity, and lot of political, communication, negotiating and persuasive skills.

3. Managing merger and Management of change

There was a merger of Children's Surgical Services across City Hospital and Queen's Medical Centre (QMC) Campus in 2007-8. Both these campuses are part of Nottingham University Hospitals (NUH) Trust. I took the lead in coming up with a working arrangement of operating theatres and designed a schedule, which was agreeable with Management, all the consultants and theatre staff, and has been successfully working till today. I take great pride and ownership for this task. I had to lead from the front and had to sacrifice my comfortable operating timetable for the greater good of the institution. This was a great exercise on Management of change.

4. Managing issues of recruitment and retention of staff

NUH had an issue of recruitment and retention of Consultants for Paediatric Intensive Care Unit (PICU), and the unit was functioning on only three full-time consultants. This had effects on its functional capacity. My Human resource management skills came handy; two new consultants were appointed. This paved the way for the establishment of a High Dependency Unit (HDU) - a long and cherished dream of NUH. A new HDU was commissioned for the first time in Children's Services at NUH. This landmark development eased pressure on PICU and helped general medical and surgical wards that used to cater to some HDU children with stretched resources.

C) HEAD BASTOW CLINICAL INVESTIGATIVE UNIT AT NOTTINGHAM UK

1. Pathways for the Management of Constipation in Children

I started the Bastow Clinical Investigative Unit in 2001 from scratch and have provided leadership since then. Bastow Clinical Investigative Unit provides state of the art upper, middle, and lower gastrointestinal investigations to the entire Trent region. Bastow Unit pioneered the pelvic ultrasound for constipation. Pelvic US has revolutionized the Management of constipation and helps in the functioning of one-stop specialized clinics at QMC. It also facilitated the Management of constipation in the Community Paediatric setting. We streamlined the pathways for the treatment of Chronic Idiopathic Constipation from primary to secondary to tertiary care so that only the children who genuinely need tertiary center treatment are followed up on it, and the rest get treatment with community pediatrics and GPs. These pathways are benefitting hundreds of children and their families. Many institutions in the UK are now adopting our algorithms of diagnostic test and pathways for constipation.

2. Establishing new Facilities Overseas

I was instrumental in establishing the Gastrointestinal Physiology Unit with expertise for Anorectal Manometry and Biofeedback in IBN SINA hospital in Kuwait in February 2005, on an official invitation by the Ministry of Health in Kuwait.

D) PROGRAMME DIRECTOR OF PAEDIATRIC SURGERY

I have been a Program Director for children's Surgery and involved in the selection of trainees from a pool of brilliant young training doctors, then providing and monitoring their training and supporting their training development needs. My salient achievement in that tenure was:

1. Successful implementation European Working Time Directive (EWTD)

The European Working Time Directive (EWTD) is a European Union (EU) initiative designed for reducing the working week to an average of 48 hours for doctors. There are further regulations relating to breaks and holiday allowance, such as 1) 11 hours rest a day and a right to a day off each week 2) A right to a rest break if the working day is longer than six hours 3) Four weeks paid leave each year. The directive was enshrined in UK law in 1998 and on 1 August 2009 it was fully applied to junior doctors. I joined as Program Director in 2004 when EWTD was being implemented for the trainee doctors in our department. One of the major challenges we faced then was the successful implementation of the EWTD. There were concerns that our department would not be able to cope with the loss of so many junior doctor hours in such a short period. At the end of my tenure in 2008, it was fully implemented. This was possible at no additional cost due to innovative working rosters.

ROLES OUTSIDE HEALTH SERVICE

Associate Advisor of the Parliamentary and Health Service Ombudsman United Kingdom

The Parliamentary and Health Service Ombudsman provides a high-quality, independent complaint handling service. As a clinical adviser, I work closely with casework staff across its Office to provide high-quality advice to inform their investigations of complaints about the NHS in England in the field of Paediatric Surgery and Paediatric Urology. The clinical advisers also have an active role in sharing the learning and providing reassurance on the standard of Ombudsman's advice to both the caseworker and the complainant.

Patient Information Leaflets

Informed consent before an operation should be based on discussion and dialogue with a fully informed patient or carer rather than just a signature on a piece of paper by a layperson at the dictate of a health professional. I have produced eighteen illustrated patient information leaflets for EIDO Health Care UK. EIDO Healthcare was established in June 2000 in response to the growing need in the UK healthcare sector for improvements to the informed consent process. The Royal College of Surgeons has fully endorsed its informed consent patient information library by EIDO. These leaflets explain routine surgical procedures, the risks, and benefits in language that children and their carers can understand. The NHS and various Children's Hospitals Internationally are currently using these leaflets. These leaflets have given me as much pleasure and satisfaction as my 27-peer reviewed scientific articles in indexed journals.

MEDICAL REGISTRATION, MEMBERSHIP AND FELLOWSHIPS

Medical Registration

- West Virginia Board of Medicine
- District of Columbia Health Board, Washington DC, USA
- Registration with the Punjab Medical Council, India
- Specialist Register of Paediatric Surgery with General Medical Council, London UK
- Permanent Registration General Medical Council, London, Registration No: 4369217 (Dated 12.12.1996)

Membership

- American Association of Pediatric Surgeons
- American Academy of Pediatrics
- British Association of Paediatric Surgeons
- Nottingham Medico-Chirurgical Society

Fellowships

- Fellow American College of Surgeons
- Fellow of the American Academy of Pediatrics
- Fellow of Royal College of Surgeons of Ireland, Dublin
- Fellow of Royal College of Surgeons in England, London

ACADEMIC QUALIFICATIONS

| Degree | Institution | Dates |
|----------------------------------|---|----------|
| MBA | Warwick University, UK. | Feb 2009 |
| DM | Nottingham University, UK. | Oct 2008 |
| FRCS (Paediatric Surgery) | Intercollegiate Board of Paediatric Surgery (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland) | Mar 1998 |
| FRCS (I) | Royal College of Surgeons of Ireland, Dublin | Feb 1997 |
| MCh (Paediatric Surgery) | Postgraduate Institute of Medical Education and Research, Chandigarh, India | May 1993 |
| DNB | National Board of Examinations, New Delhi, India | Nov 1990 |
| MS | Postgraduate Institute of Medical Education and Research, Chandigarh, India | May 1990 |
| MBBS | Government Medical College, Amritsar, Punjab, India | Nov 1985 |

ECFMG (USA) CERTIFIED IN 1996 - ALL 4 Steps of USMLE passed

ACADEMIC EXCELLENCE (AWARDS/DISTINCTIONS/MEDALS)

| | | | |
|--------------|--|---------------|-------------------------------------|
| 1st place in | Surgery Medicine Biochemistry MBBS Final Professional Clinical Midwifery | 2nd place in: | Pharmacology Forensic Medicine |
| | | 3rd place in | Physiology MBBS 1st Professional |

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|--|--|---|
| MBBS | Guru Nanak Dev University Amritsar, India | Best Graduate of Medical College of Amritsar for the Year 1985 |
| Entrance test for admission to Medical School (A-Level) | Guru Nanak Dev University Amritsar, India | 1 st in university |
| Pre-University (AS Level) | Guru Nanak Dev University Amritsar, India | 1 st in university |
| Matriculation (GCSE) | Punjab School Education Board, India | 1 st in District |

Pfizer Gold Medalist

| | |
|------------------|---|
| Distinctions in: | Physiology Pharmacology Forensic Medicine |
|------------------|---|

First Position in Intercollegiate Board of Paediatric Surgery Exam (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland)

TEACHING AWARD FOR UNDERGRADUATE TEACHING

I am passionate about undergraduate teaching. I always give an introductory lecture on Paediatric Surgery and regularly give a regular tutorial on 'Fluid and Electrolyte imbalance and Acid-base disturbance' to undergraduates. I got regular good feedback and was awarded for my outstanding teaching by the University of Nottingham in 2012.

TEACHING AWARD FOR POSTGRADUATE TEACHING

I received the "Outstanding Attending Surgeon" Award established in honor of Bernard Zimmermann, MD. It was presented to me in June 2018 in West Virginia University Hospitals in recognition of outstanding contribution to resident education in 2017-2018.

VISITING PROFESSORSHIP

I was a visiting professor at the Cincinnati Children's Hospital in Ohio, USA. I visited the hospital in May 2004 for four days and gave a talk to the Department of Paediatric Surgery titled "How we manage Constipation in Children in Nottingham". The visit was beneficial, and I have established links with this center for British Paediatric Surgical Trainees to undergo paid fellowships in research or clinical areas.

LECTURER IN OVERSEAS WORKSHOPS

I delivered two lectures at the First Adriatic Seminar in Pediatric Surgery on Hirschsprung's Disease in Trieste (Italy) on 1-2 October 2004. The topics were "Manometry" and "Post-Operative Manometry". I was a member of the panel discussing "Diagnostics in Hirschsprung's Disease" and "Long Term Observation in Hirschsprung's Disease".

EXAMINER

- Member for Court of Examiners of Royal College of Surgeons of London (MRCS)
- Examiner for Intercollegiate Board of Paediatric Surgery (FRCS Paed Surg.). (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland)
- Examiner for 'Doctorate of Medicine' for University of Leeds UK

REVIEWER FOR JOURNALS

5. Journal of Pediatric Surgery
6. Archives of Diseases of Childhood
7. The Journal of Pediatric and Child Health
8. Journal of Urology

**All Indexed Journals*

Full Employment History

| Designation | Employer | Period |
|--|---|---------------------|
| Consultant (Attending) Paediatric Surgeon | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | Sep 2019 – present |
| Associate Professor and Chief Pediatric Surgery | West Virginia University Hospitals, Morgantown, West Virginia, USA | Sep 2018 - Aug 2019 |
| Associate Professor and Interim Chief Pediatric Surgery | West Virginia University Hospitals, Morgantown, West Virginia, USA | Feb 2018 - Sep 2018 |
| Associate Professor of Pediatric Surgery | West Virginia University Hospitals, Morgantown, West Virginia, USA | May 2017 - Feb 2018 |
| Consultant (Attending) Paediatric Surgeon | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | Aug 2010 - May 2017 |
| Attending Pediatric Urology and Pediatric Surgery | Children's National Medical Centre Washington, DC, USA | Aug 2009 – Jul 2010 |
| Consultant (Attending) Paediatric Surgeon | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | Jul 2002 - Jul 2009 |
| Locum Consultant Paediatric Surgeon | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | May 2001 - Jun 2002 |
| Clinical Fellow in Paediatric Surgery and Paediatric Urology | The Children's Hospital at Westmead, Sydney, New South Wales, Australia | Jan 2000 - Apr 2001 |
| Registrar (Chief Resident) - Paediatric Surgery and Paediatric Urology | The Children's Hospital at Westmead, Sydney, New South Wales, Australia | Jan 1999 - Jan 2000 |
| Visiting Surgeon (Chief Resident) | IBN Sina Hospital, Kuwait | Sep 1998 – Nov 1998 |

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|--|---|--------------------------|
| Specialist Registrar (Chief Resident) Paediatric Surgery | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | Feb 1997 - Aug 1998 |
| Specialist Registrar (Chief Resident) Paediatric Urology | City Hospital, Nottingham, UK | Feb 1996 - Feb 1997 |
| Specialist Registrar (Chief Resident) Paediatric Surgery | Nottingham University Hospital, Queen's Medical Centre, Nottingham, UK | Feb 1995 - Feb 1996 |
| Senior SHO, Paediatric Surgery | Lewisham Children's Hospital, London UK | Jul 1994 - Feb 1995 |
| Assistant Professor Paediatric Surgery and Paediatric Urology | Postgraduate Institute of Medical Education and Research, Chandigarh, India | Oct 1993 - Jun 1994 |
| Senior Resident (Registrar/Chief Resident) Paediatric Surgery and Paediatric Urology | Postgraduate Institute of Medical Education and Paediatric Surgery Research, Chandigarh, India | Jul 1991 - Sep 1993 |
| Senior Resident (Registrar/Chief Resident), General Surgery | Postgraduate Institute of Medical Education and Research Chandigarh, India | Aug. 1990 - June 1991 |
| Medical Officer - Punjab Civil Medical Services | Department of Health and Family Welfare, Government of Punjab, India | Jan 1990 - Aug 1990 |
| Resident (SHO) General Surgery | Postgraduate Institute of Medical Education and Research, Chandigarh, India | Jan 1987 - Dec 1989 |

RESEARCH EXPERIENCE

RESEARCH DEGREES

Doctor of Medicine (DM)

I passed a Doctorate of Medicine (DM) degree from Nottingham University in December 2008. My thesis is titled "Management Pathways for Chronic Idiopathic Constipation in Children."

Masters in Surgery (MS)

I completed a master's in surgery (MS) degree from the Post Graduate Institute for Medical Education and Research, Chandigarh, India. My thesis was on the role of Collagen and Fibronectin in Chronic Rheumatic Heart Disease.

CO-SUPERVISOR FOR HONORS PROJECT

1. University of Sydney honors project for graduate medical students on "Endoscopic Incision of Ureterocele."
2. University of Sydney honors project for graduate medical students on "Gastroschisis."
3. University of Sydney honors project for graduate medical students on "Duodenal Atresia."
4. University of Sydney honors project for undergraduate medical students on "Appendicular Abscess."
5. University of Sydney honors project for undergraduate medical students on "Pelvic Trauma in Children."

RESEARCH FIELDS

Gastric Emptying

We established and published, for the first time, a normal range for Gastric Emptying in Children with a Technetium (Tc) nuclear scan. Our project involved studying C13 octanoic acid for gastric emptying with Tc scans. An analysis carried out revealed that Tc scans and C13 octanoic acid give similar results. Thus, we have proven that C13 can be used instead of Tc nuclear scans for studying gastric emptying. Since C13 does not involve radiation, we can use it in many healthy children to establish the normal gastric emptying range on a larger cohort. The work mentioned above was presented in the Pacific Association of Paediatric Surgeons International Meeting in Taiwan (May 2006). It was published in the Journal of Paediatric Surgery in the same year.

Pelvic Ultrasound

We use the Pelvic US to measure the rectal diameter in children. Values for rectal diameters in normal children had not been established before our research. There has been only one study where the rectal diameter has been studied in normal adults using Barium Enema. We are the pioneers in establishing the standard values of rectal diameter in children at various age groups by the Pelvic US with a project approved by the Ethics Committee. This work was presented at the Pacific Association of Pediatric Surgeons meeting in Vancouver in May 2005 and is published in the Journal of Pediatric Surgery. Based on our study, we can diagnose megarectum at the first clinical visit by the Pelvic US performed in the clinic. This test has become our standard first-line investigative test for childhood constipation since 2005. Not only do we diagnose megarectum, but we can also follow up its progress with serial scans and use it for biofeedback. We are sharing our practice by teaching doctors and nurse specialists from other units on the national and international level.

Anorectal Manometry

I am proficient in doing anorectal manometry myself. I can use both water-perfused and solid-state manometry systems. We explored the possibility of doing Anorectal Manometry (ARM) and Rectal Biopsy (RB) under General Anesthesia (GA) by undertaking a research project with ethics approval. This project was completed in 2006. We have shown that ARM cannot be done under GA. Considering this finding, we have now started doing both ARM and RB under ketamine. This decreases the theatre time to do two procedures. This study has been presented in the Pacific Association of Pediatric Surgeons meeting in Taiwan in May 2006.

PUBLICATIONS

PAPERS

1. Successful Outcome in Perinatal Intravaginal Torsion of Testis in Neonate: Long-Term Outcome (2016) Kashif Chauhan, Gemma Bown, Brian W. Davies, Shailinder J. Singh Int J Clin Pediatr. 2016; 5(2):38-40

2. Successful Treatment of Recurrent Rectal Prolapse Using 3 Hirsch Sutures (2015). Kashif Chauhan K, Richard Gan R, Singh S, *BMJ Case Reports* 2015; doi: 10.1136/bcr-2015-211947
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4. Diagnosis of button battery ingestion by 'halo' radiographic sign: an exception to the rule (2015) Gan RWC, Nasher O, Jackson PB, Singh S. *BMJ Case Rep.* 2015 6 July; doi: 10.1136/bcr-2015-209908
5. Management of Necrotising Appendicitis Associated with Widespread Necrotizing Enterocolitis of the Small and Large Bowel and Perforated Duodenal Ulcer" (2014) Gupta V; Zani A; Jackson P; Singh, SJ *BMJ Case Report* 2015; doi: 10.1136/bcr-2015-209808
6. Peristeen Transanal Irrigation System for Paediatric Faecal Incontinence: A Single Centre Experience (2014) Omar Nasher, Richard E. Hill, Riyad Peeraully, Ali Wright, and Shailinder J. Singh *International Journal of Pediatrics Volume 2014, Article ID 954315, 4 pages* <http://dx.doi.org/10.1155/2014/954315>
7. Experience of the MACE Procedure at a Regional Pediatric Surgical Unit: A 15-Year Retrospective Review (2014). Peeraully R, Lopes J, Wright A, Davies B, Stewart R, Singh S and More B. DOI: 10.1055/s-0033-1357502. *Eur J Pediatr Surg* 2014
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9. Management of paediatric blunt abdominal Trauma at a major trauma center: Is ultrasound a reliable indicator of injury? (2014), Muhammad Riyad Peeraully, Paul Berkeley Jackson, Shailinder Jit Singh. *J Ped Surg Spec* 2014; 8:24-29
10. Are we providing a satisfactory paediatric surgical outpatient service? (2013). Sharma P, Hanley A, Ogunbiyi S, Jackson P, Singh S. *Int J Surg.* 2013 Oct; 11(8):674. Doi: 10.1016/j.ijisu.2013.06.471. Epub 2013 Nov 1 PMID: 25292939
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13. Retrograde trans-mesoappendicular selective subserosal laparoscopic appendectomy (2013) Nasher O, Patel RV, Singh SJ *J Ped Surg Case Reports.* Mar 2013, Volume 1, Issue 3, Pages 50–52 and *J Ped Surg Case Reports* 1 (2013) 50e52
14. Scrotal fixation in the Management of low undescended testes (2011) Sutton PA, Grene OJ, Adamson L, Singh SJ *Journal of Indian Association of Pediatric Surgeons* 16 (4) p142-144
15. Oblique Anastomosis in Soave Endoanal Pull through for Hirschsprung's Disease – a way of reducing strictures (2007) Paul A, Fraser N, Chhabra S, Yardley IE, Davies BW, Singh S *J Paediatric Surgery International.* 23(12): 1187-90, Dec
16. Validity of 13 C Octanoic Acid Breath test for Measurement of Solid Meal Gastric Emptying Time in Children (2006) Eradi B, Wright J, Gibbons N J, Blackshaw E, Perkins A C, Wakefield J, Sithole J, Singh S *J Journal of Pediatric Surgery,* 41: p 2062-2065
17. Preoperative Gastrograffin Bowel Lavage in Gastroschisis (2006) Cherian A, Hallows R M, Singh S J, McCallion W A, Stewart R *J Journal of Pediatric Surgery,* 41:2, p 1683-1685

18. Gastric Emptying of Solids in Children- A Preliminary Report (2006) Singh S J, Gibbons N, Blackshaw P E, Vincent M, Walker J, Perkins A C *Journal of Pediatric Surgery*, 42:2, p 413-7
19. Use of Pelvic Ultrasound in the Diagnosis of Megarectum in Children with Constipation (2005) Singh S J, Gibbons N J, Vincent M V, Sithole J, Nwokoma N J, Alagarswami K V *Journal of Pediatric Surgery* 40:12,1941-4
20. Mortality Due to Constipation (2004) Singh S J, Arbuckle S, Little D, Manglick M P, Cass D *Pediatric Surgery International* 20: 889-891
21. Mesenteric Lipoma -Causing Volvulus of the Intestine (2004) Cherian A, Singh S J, Broderick N, Zaitoun A M, Kapila L *Pediatric Surgery International* 20 869-871
22. Hirschsprung's Disease – The Australian Paediatric Surveillance Unit's Experience" (2003) Singh S J, Croaker G D et al. *Pediatric Surgery International* 19(4) 247-50
23. Gastroschisis Determinants of Neonatal Outcome (2003) Singh S J, Fraser A et al. *Pediatric Surgery International* 19(4) 260-5
24. Denis Browne's Thoracotomy-Revised (2002) Singh S J, Kapila L *Pediatric Surgery International* 18: 90-2
25. How to Test the Safety of Home Made Antegrade Colonic Washout Fluid? (2002) S J Singh, Cummins G, Manglick P, Smith G. *Pediatric Surgery International* 57: 34-8
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28. Effectiveness of Primary Endoscopic Incision of Ureterocele (2001) S J Singh, Smith G *Pediatric Surgery International* 17: 528-31
29. Antenatal prediction of Hypertrophic Pyloric Stenosis (2001) S J Singh, Trudinger B, Lam A, Zang A L, Cass D *Pediatric Surgery International* 17: 560-2
30. Insertion of Implantable Venous Access Devices through Inferior Epigastric Vein (2001) Singh S J, Martin H C O *Journal of Pediatric Surgery* 36: 579-81
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34. Blunt Abdominal Trauma in Children Review (2000) Rance C H, Singh S J, Kimble R. *The Journal of Paediatric and Child Health*, 36: 2-6
35. Driveway Motor Vehicle Injuries in Children (2000) Holland AJA, Liang RWY, Singh S J, Schell DN, Ross FI, Cass DT *the Medical Journal of Australia*, 173:192-5
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37. Adverse Outcome in Congenital Diaphragmatic Hernia is Determined by Diaphragmatic Agenesis and not by Antenatal Diagnosis (1999) Singh S J, Cummins GE, Cohen R C, Cass D, Harvey J G, Martin H C O, Pitkin J, Shun A, Glasson M J. *Journal of Paediatric Surgery* 34:1740-2
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41. A Case of Plastikophagia (1997) Battin M, Kennedy S, Singh S J *Post Graduate Medical Journal* 73: 243-4

RECENT PUBLICATIONS

1. Zaparackaite I, Singh SJ, Bhattacharya DC, Correia RC, Mehta AR, Midha PK, Patel RR, Patel RV. Fulminating Enterocolitis in Term Neonates with Major Cardiac Defects: A Review of Hypoxic Mucosal Shedding and Postoperative Risk. *Innovative Insights in Cardiology Research* (in press)
2. Singh H, Patel RV, Singh SJ. Umbilical anomalies. In: *Pediatric surgery exit examination book* Chapter. Publisher 'Francis and Taylor' 2026 (in Press)
3. Zaparackaite I, Singh H, Singh SJ, Swamy KB, Midha PK, Patel RV. Neonatal Haddad Syndrome- Ondine curse with Hirschsprung's disease. *Clinical Surgery Journal* Submission ID: 1000992; Manuscript ID: CSJ-PE-1006; CSJ (in Press)
4. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV.. Spontaneous Resolution of Inguinal Hernias and the Role of Gut-Related Secretomotor Disorders via the PNEI Axis in Early vs. Late Inguinal Hernia Repair in Preterm Infants. *WebLog Journal of Pediatrics*
5. Zaparackaite I, Singh SJ, Bhattacharya DC, Correia RC, Mehta AR, Midha PK, et al. Pediatric Gynecological and Breast Surgical Lesions from Fetal Life to Early Adulthood: A Comprehensive Review. *WebLog J Women's Health*. wjwh.2026.b1905.
6. Zaparackaite I, Govani DR, Singh SJ, Swamy KB, Midha PK, Patel RV. Giant spontaneous inferior epigastric artery rectus sheath hematoma. *WebLog J Hematol*. wjh.2026.b1904.
7. Zaparackaite I, Singh SJ, Bhattacharya DC, Correia RC, Mehta AR, Midha PK, Patel RR, Patel RV. Professional Burnout and Work–Life Balance Among Physicians: A Narrative Review. *WebLog J Community Med*. wjcm.2026.b1304.

8. Zaparackaite I, Singh SJ, Bhattacharya DC, Correia RC, Mehta AR, Midha PK, Patel RR, Patel RV. A Developmental, Biopsychosocial, and Trauma-Informed Framework for Understanding and Managing Bowel Motility, Bladder, and Menstrual Disorders Across Childhood and Adolescence, *WebLog J Nurs.* wjnr.2026. b1305.
9. Zaparackaite I, Singh SJ, Bhattacharya DC, Correia RC, Mehta AR, Midha PK, Patel RR, Patel RV. Osteoporosis: Contemporary Understanding, Diagnostic Advances, and Evolving Therapeutic Strategies. *WebLog J Gerontol Geriatr.* wjgg.2026. b1408.
10. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Radiological Imaging in Hirschsprung's Disease, Its Variants, and Colorectal Motility Disorders: A Comprehensive Review of Diagnostic Findings and Interventional Applications. *WebLog J Radiol.* wjr.2026.a3104.
11. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Bridging Ayurveda, Conventional Medicine, and Modern Health Sciences in the Diagnosis and Management of Colorectal Motility Disorders: A Narrative Review. . *WebLog J Ayurvedic Med.* wjam.2026.a3103.
12. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. The Burning Global Issues in Emergency Medicine. *WebLog J Emerg Med.* wjem.2026.a3101
13. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. The “Ascending Cascade” of Colorectal Motility Disorders: A Narrative Review of Hindgut-Driven Global Gut Dysfunction and Foregut–Airway Sequelae. . *WebLog J Gastroenterol.* wjg.2026.a2804.
14. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Probiotics and Gut Health: An Evidence-Based Narrative Review for General and Family Medicine. *WebLog J Fam Med.* wjfm.2026.a2904
15. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Applied Clinical Anatomy of Gut Vascular Supply: A Narrative Review of Segmental Perfusion, Watershed Vulnerability, and Surgical Implications. *WebLog J Anat.* wjat.2026.a2901
16. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Infantile Hypertrophic Pyloric Stenosis: A Multidimensional Systems-Biology Perspective Integrating Early-Life Determinants, PNEI Interactions, and Functional Gastrointestinal Mechanisms. *WebLog J Gastroenterol.* wjg.2026.a1303
17. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Role of Modified and Extended Anorectal Myomectomy and Transanal Endosurgical Procedures as

- Diagnostic and Therapeutic Armamentarium in Congenital and Acquired Colorectal Motility Disorders: A Narrative Review. *WebLog J Gastroenterol.* wjg.2026. a0802
18. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Integrating Soul Faculties with the Psycho-Neuro-Endocrine-Immune Axis for Gut-Focused Interventions: Implications for Metabolic Chaos and the Obesity Epidemic: A Narrative Review *WebLog J Public Health Epidemiol.* wjphe.2026.a0304
 19. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. Gums and Tums: The Oral–Gut Axis and the Role of Hygiene in Systemic Health. *WebLog Journal of Dentistry and Oral Disorders..* wjdod.2025.l2202
 20. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, Patel RV. A Comparative Study of Conservative, Medical, Lord’s Anal Dilatation, Lateral Sphincterotomy, Posterior Sphincterotomy, Anorectal Myomectomy and Endosurgical Procedures in the Treatment of Chronic Anal Fissure: A Retrospective Cohort Analysis. *WebLog J Gastroenterol.* wjg.2026.a0501
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 22. Singh SJ, Patel R. The Psycho-NeuroEndocrine-Immune (PNEI) Axis: Unravelling the Intricate Link Between Mind, Motor Neurons, Master ImmuneEndocrines, Motility, Microbiome and Metabolic Chaos. *WebLog J Public Health Epidemiol.* wjphe.2026.a2903
 23. Zaparackaite I, Singh H, Singh SJ, Swamy KB, Midha PK, Patel RV. Sertraline induced lipase sparing acute interstitial edematous pancreatitis. *WebLog J Pharmacol Ther.* wjpt.2025.l2201 .
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 24. Zaparackaite I, Govani ND, Singh H, Singh SJ, Mehta AR, Midha PK, Patel R, & Patel RV. (2025). Understanding Etiopathogenesis, Pathophysiology, Diagnosis and Innovative Approaches to Management of Infantile Colic: A Narrative Review of the Literature and Multi-center Experience. *WebLog Journal of Pediatrics*, V1(1). <https://doi.org/10.5281/zenodo.17993618> [WebLog J Pediatr. wjp.2025.l1002](https://www.wjg.com/wjg.2025.l1002) <https://weblogoa.com/articles/wjp.2025.l1002/PDF> [wjp.2025.l1002.pdf](https://www.wjg.com/wjg.2025.l1002.pdf)
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29. Indre Zaparackaite, Shailinder Jit Singh, Swamy KB, Debashish Bhattacharya, Rafael Cavalcante Correia, Partap Kumar Midha, Ramnik V Patel. Glanzmann’s thrombasthenia presenting as post circumcision persistent bleeding in an apparently healthy boy. Journal of Medical and Clinical Case Reports 1(3):1-3. <https://doi.org/10.61615/JMCCR/2024/MAY027140523>
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34. Zapparackaite I, Singh SJ, Bhattacharya D, Swamy KB, Correia RC, Midha PK, Govani DR, Patel RV*. Long Segment Prolonged Right Ureteric Spasm Following Recent Passage of Stone Simulating Malignant Stricture in A Case of Hypoganglionosis. *Annals of Urology & Nephrology.* 3(5): 2023. AUN.MS.ID.000575. DOI: 10.33552/AUN.2023.03.000575.
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35. Zapparackaite I, Bhattacharya D, Singh SJ, Correia RC, Swamy KB, Midha PK, et al. Impact of breastfeeding on respiratory and gastrointestinal infections in infants of Muslim mothers of Kolkata, India. *MGM J Med Sci* 2022; 9:502-8" by Hossain M et al. *MGM J Med Sci* 2023; 10:370-2.
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38. Patel RV, More B, Sinha CK, Singh S. [Situs inversus totalis, oesophageal atresia and tracheo-oesophageal fistula.](#) *BMJ Case Rep.* 2013 Jun 3;2013. pii: bcr2013009955. doi: 10.1136/bcr-2013-009955.
39. Nasher O, Patel RV, Singh SJ: Retrograde trans-mesoappendicular selective subserosal laparoscopic appendicectomy. *J Ped Surg Case Reports* 1 (2013) 50e52
- 40.

1) CONTRIBUTING AUTHOR (BOOK CHAPTERS)

1. Editor for the book titled "Suture techniques for staff and students in medicine and nursing" Published by Ethicon Products UK
2. Contributed Paediatric Urology section of the book titled "Multiple Choice Questions in Paediatric Surgery and Paediatric Anesthesia - Part 1". Edited by K Yadav FRACS. Published by Gulshan Graphics, Chandigarh, India, 1994. page 47-60
3. Author of four chapters for the book titled "Integrated Paediatrics" edited by Professor L Polony and Dr M Lakhanpal published by Churchill Livingstone, the book chapters have been completed, and the book is about to be published.
4. "Oesophageal Strictures" for the book titled "Neonatal Surgery" Editor Dr DK Gupta and co-author Miss Leela Kapila
5. "Paediatric Hernia and Hydrocele" for the book titled "Neonatal Surgery" Editor Dr D K Gupta and co-author Miss Leela Kapila and Mr. A Williams

REVIEWER FOR JOURNALS

9. Journal of Pediatric Surgery
10. Archives of Diseases of Childhood
11. The Journal of Pediatric and Child Health
12. Journal of Urology

**All Indexed Journals*

PRESENTATIONS AT INTERNATIONAL CONFERENCES

1. *"Effective, Simple and Inexpensive Dressing following Hypospadias Repair"* British Association of Paediatric Surgeons XLIV International Congress in Istanbul, Turkey. July 1997.
2. *"Mid-ureteric Strictures"* International Congress of Paediatric Surgery and Paediatrics, Cape Town, South Africa. February 1998
3. *"The Negative Appendix"* International Congress of Paediatric Surgery and Paediatrics, Cape Town, South Africa. February 1998
4. *"Modified Technique of Testicular Fixation in Orchidopexy"* International Congress of Paediatric Surgery and Paediatrics, Cape Town, South Africa. February 1998
5. *"Diaphragmatic Hernia- Recent Experience"* Pacific Association of Paediatric Surgeon's Meeting, Beijing, China. May 1999
6. *"Insertion of Implantable Venous Access Devices through Inferior Epigastric Vein"* XIIIth International Cystic Fibrosis Congress in Stockholm in Sweden. June 2000

7. *"Gastroschisis- Ward Reduction"* Pacific Association of Paediatric Surgeon's Meeting, Kyoto, Japan. April 2001
8. *"Hirschsprung's Disease – Recent trends (APSU)"* Pacific Association of Paediatric Surgeon's Meeting, Kyoto, Japan. April 2001
9. *"Gastroschisis Determinants of Neonatal Outcome"* Pacific Association of Paediatric Surgeon's Meeting, Kyoto, Japan. April 2001
10. *"Congenital Cystic Adenoid Malformation of Lung: A 38-year review"* British Association of Paediatric Surgeons XLVIII meeting London. July 2001
11. *"Gastroschisis -Advantages of trophic feeds"* British Association of Paediatric Surgeon's International meeting Cambridge (UK) July 2002
12. *"SCORPIO- The way forward to Paediatric Surgical Teaching in the Undergraduate Curriculum"* British Association of Paediatric Surgeon's International Meeting Cambridge (UK) July 2002
13. *"Gastroschisis- Should They be Operated in the Middle of the Night?"* 15th International Symposium of Paediatric Surgical Research, Graz, Austria. November 2002
14. *"Role of Pelvic Ultrasound in Children"* Pacific Association of Pediatric Surgeons (PAPS) 38th International Meeting, Vancouver, Canada. May 2005
15. *"Anorectal Myectomy-Should it be Performed?"* Pacific Association of Pediatric Surgeons (PAPS) 38th International Meeting, Vancouver, Canada. May 2005
16. *"Colonic Transit Studies- Are they Necessary?"* Pacific Association of Pediatric Surgeons (PAPS) 38th International Meeting, Vancouver, Canada. May 2005
17. *"Establishing Gastric Emptying in Normal Children"* British Association of Paediatric Surgeons International Meeting Dublin, Ireland. July 2005
18. *"Validity of 13 C Octanoic Acid Breath Test for Measurement of Solid Meal Gastric Emptying in Children"* Pacific Association of Pediatric Surgeons (PAPS) 39th International Meeting, Taipei, Taiwan. May 2006
19. *"Anorectal manometry: Comparison of Sevoflurane General Anesthesia with Ketamine Anesthesia"* Pacific Association of Pediatric Surgeons (PAPS) 39th International Meeting, Taipei, Taiwan. May 2006
20. *"Inter-observer Variability with Pelvic Ultrasound for measurement for Rectal Crescent Diameter in Children with Constipation"* British Association of Paediatric Surgeons International Meeting Edinburgh, UK. July 2007
21. *"Intra-observer Variability with Pelvic Ultrasound for Measurement for Rectal Crescent Diameter in Children with Constipation"* British Association of Paediatric Surgeons International Meeting Salamanca, Spain. July 2008
22. *"Single chest drain with Urokinase in Empyema: slow but sure"* L Adamson et al. with Singh SJ British Association of Paediatric Surgeons International Meeting Belfast 2011 Poster

23. *"Management of Paediatric Blunt Abdominal Trauma at a Major Trauma Centre"* Peeraully R, Jackson P and Singh S. *European Paediatric Surgery Association 2013 (Poster)*
24. *"An evaluation of the Internet presence of Paediatric Surgery Centres in the UK"* Lyons IS, Pickwell F, Jackson PB, Singh SJ, Williams A. *British Association of Paediatric Surgeons International Meeting 2013 (Oral)*
25. *"Laparoscopic assisted insertion of primary gastrostomy button at the time of cleft palate repair"* K Elmalik, N Thompson, M Alabdullah, D Colliver, S Singh, B Davies, R Stewart. (BAPS 2014)
26. *"How should we treat persistent umbilical lesions in children?"* K Elmalik, M Sayles, M Alabdullah, S Motiwale, R Stewart, B Davies, S Singh, D Colliver, D O'Neill. Presented at the European Paediatric Surgeons Association, Leipzig, Germany 2013. Submitted for publication *Pediatric Surgery International* (January 2014)
27. *"Management of Paediatric Blunt Abdominal Trauma at a Regional Trauma Centre"* Peeraully R, Jackson P and Singh S. Poster presentation at EUPSA 2013, Leipzig.
28. *"Experience of the Mace Procedure at a regional Paediatric Surgical Unit"* Peeraully R, Lopes J, Davies B, Stewart R, Motiwale S, Wright A, Singh S and More B. Poster presentation at EUPSA 2013, Leipzig.
29. *"Reversibility of the Mace Procedure: How long do you need one for?"* Peeraully R, Lopes J, Davies B, Stewart R, Motiwale S, Wright A, Singh S and More B. Poster presentation at EUPSA 2013, Leipzig.
30. *"The Peristeen Transanal Irrigation System for Paediatric patients with Faecal Incontinence: A Pilot Study"* Hill R, Peeraully R, Nasher O, Wright A, Singh S. Poster presentation by Richard Hill at BAPS 2013, Bournemouth.
31. *"Horner's syndrome following cannulation of the internal Jugular vein – a rare transient Phenomenon"* Lyons IS, Jackson PB, Elmalik K, Williams AR, Singh SJ BAPS 2013
32. *"An evaluation of the Internet presence of Paediatric Surgery Centres in UK"* Lyons IS, Pickwell F, Jackson PB, Singh SJ, Williams A. BAPS 2013
33. *"Surgical Management of Rectal Prolapse in Children: Injection Sclerotherapy and/or Thiersch Procedure."* Nasher O, Chauhan K, Gan RWC, Colliver DW, Singh SJ. 22nd International Meeting of the Pediatric Colorectal Club. Milan, Italy. (June 2015)
34. *"Transition in Paediatric Surgery: How many patients do we need to plan for?"* A Jones, S J Singh, AW Williams British Association of Paediatric Surgeon's Annual International Congress Meeting, Cardiff, UK. July 2015
35. *"Ward Rounds in Paediatric Surgery: An Audit on Nursing Participation on the Daily Ward Round."* Omar Nasher, Sofia Labbouz, Paul J Jackson, Shailinder S Singh. 4th World Congress of Clinical Safety. Vienna, Austria. Sept. 2015)
36. *"The Role of anorectal manometry in children with idiopathic chronic constipation and/or fecal Incontinence: Single institution experience."* Nasher O, Colliver DW, Bush D, Stewart RJ, Singh SJ. 28th International Symposium on Paediatric Surgical Research. Dublin, Ireland. Sept. 2015

37. *"The role of anorectal manometry in children with postoperative lower gastrointestinal problems following anorectal surgery: Single institution experience."* Nasher O, Colliver DW, Bush D, Stewart RJ, Singh SJ. 28th International Symposium on Paediatric Surgical Research. Dublin, Ireland. Sept. 2015
38. *"Successful Treatment of Recurrent Rectal Prolapse Using 3 Thiersch Sutures."* K Chauhan, SJ Singh, European Colorectal Congress Switzerland. December 2015
39. *"Management of Recurrent Enterocolitis following Soave's Pull through in a Child with Hirschsprung's Disease: Value of Botox Injections."* K Chauhan, SJ Singh, European Colorectal Congress Switzerland. December 2015
40. *Nothing is Permanent: reversal of the MCAE Procedure* R Peeraully, A Wright, D Colliver, R Stewart, B Davies, Shailinder Singh & Bharat More. British Association of Paediatric Surgeons International Meeting Amsterdam July 2016
41. *Spontaneous Resolution of Primary and Recurrent Cystic Hygroma following acute infection* K Chauhan, B Davies, S J Singh World Federation of Association of Pediatric Surgeons Washington DC. September 2016
42. *Surgical Management of rectal prolapse in children: Injection sclerotherapy, Thiersch Procedure or Both,* K Chauhan, B Davies, S J Singh, World Federation of Association of Pediatric Surgeons Washington DC. September 2016
43. *Successful Primary Repair of Long-Gap Esophageal Atresia in a Neonate Employing Circular Myotomy on upper pouch and Hemi-circular Myotomy of The Distal Esophageal Pouch; A Novel Approach,* Afridi FG, Shorter N, Vaughan R, Neptune S, Singh S. 3rd International Conference on Pediatrics and Pediatric Surgery 2018- Frankfurt, Germany May 2018

PRESENTATIONS IN NATIONAL CONFERENCES

1. *Singh S J: "Experience with Biliary Atresia"* Indian Association of Paediatric Surgeon's Midterm Conference in Bombay, India. November 1992.
2. *Singh S J: Video titled "Mysteries of Cystoscopy"* Trent Nephrourology Group Meeting, City Hospital Nottingham (UK). March 1996.
3. *Singh S J: "Mysteries of Cystoscopy"* Trent Regional Paediatric Society Meeting at Lincoln County Hospital, Lincoln (UK). May 1996.
4. *Singh S J: "Midureteric Strictures"* Trent Nephrourology Meeting, Nottingham (UK). October 1996.
5. *Singh S J: "Case of Urethral Duplication"* Trent Nephrourology Meeting, City Hospital, Hucknall Road, Nottingham (UK) May 1997
6. *Singh S J: "Gastroschisis: NCH Experience from 1990 to 1999"* Australian Association of Paediatric Surgeon's meeting at Broome, Western Australia. September 1999
7. *Singh S J: "Injuries to Vas Deferens Following Inguinal Herniorrhaphy and Orchidopexy"* Australian Association of Paediatric Surgeon's meeting at Broome, Western Australia. September 1999
8. *Singh S J: "Ureteroceles- NCH Experience"* Paediatric Urology meeting in Brisbane. November 1999

9. Singh S J: "*Antenatal Diagnosis of Hypertrophic Pyloric Stenosis*" Royal Australasian College of Surgeon's Annual Scientific Congress in Melbourne. May 2000
10. Singh S J: "*Excision Duodenoplasty for Congenital Duodenal Obstructions*" Royal Australasian College of Surgeon's Annual Scientific Congress in Melbourne. May 2000
11. Singh S J: "*Fate of Antenatal Hydronephrosis*" Paediatric Urology meeting in Adelaide. Nov 2000
12. Singh S J: "*Stents and Washout Curves*" Paediatric Urology meeting in Adelaide. November 2000
13. Singh S J: "*Gastroschisis –Recent Trends*", New South Wales Paediatric Surgeon's Meeting, Newcastle. November 2000
14. Singh S J: "*Mortality due to Constipation*" Royal Australasian College of Surgeon's Annual Scientific Congress in Melbourne. May 2000
15. Singh S J: "*Gastroschisis determinants of neonatal outcome*" Royal Australasian College of Surgeon's Annual Scientific Congress in Brisbane. March 2001
16. Singh S J: "*How to test the safety of homemade antegrade colonic washout fluid*" Royal Australasian College of Surgeon's Annual Scientific Congress in Brisbane. March 2001
17. Singh S J: "*Hirschsprung's Disease –APSU Experience*" Royal Australasian College of Surgeon's Annual Scientific Congress in Brisbane. March 2001
18. Singh S J: "*Duodenal atresia, Vascular Ring and Subglottic Stenosis*" Royal Australasian College of Surgeon's Annual Scientific Congress in Brisbane. March 2001
19. Singh S J: "*Gastroschisis-determinant of Neonatal Outcome*" Trent Regional Paediatric Society Meeting, Doncaster (UK) July 2001
20. Singh S J: "*Simulation and Clinical Skills Training- Luxury or Necessity?*" Debate at Simulation and Clinical Skills Conference, Nottingham (UK), March 2004
21. Singh S J: "*Gastroesophageal Reflux*" Tracheaoesophageal Fistula Society. Nottingham 2004
22. Singh S J: "*Paediatric Retrograde Selective Subserosal laparoscopic Appendectomy- a Novel technique*". *The Oxford Foundation Symposium Oxford 2012*
23. Singh S J: "*Management of Paediatric Blunt Abdominal Trauma at a Regional Trauma Centre*" Nemsal Annual Scientific Meeting Nottingham 2012
24. Jackson PB, Peeraully R, Halliday K and Singh SJ. "RTC: Blunt Abdominal Trauma" BAPS Trauma Symposium, Nottingham. (Presentation by Paul Jackson, 9 March 2012)
25. Nasher O, Patel RV, Singh JS. "*Paediatric retrograde selective subserosal laparoscopic appendectomy - novel technique*." National Foundation Doctors' Conference. John Radcliffe Hospital, Oxford. (November 2012)

CLINICAL GOVERNANCE

EXPERIENCE WITH AUDITS AND DATABASES

AUDIT ON HIRSCHSPRUNG'S DISEASE FOR AUSTRALIAN PAEDIATRIC SURVEILLANCE UNIT

Hirschsprung's (HSCR) Disease was introduced in the Australian Paediatric Surveillance Unit (APSU) in 1996. The objectives were to collect data on demographics, incidence, clinical features, investigation, surgical treatment, family history and associated anomalies in HSCR. All children less than 15 years of age with HSCR (confirmed by biopsy) were entered into an Access database maintained at The Children's Hospital at Westmead in Sydney. Nationwide, 105 children with HSCR are recorded from 1997 to 2000. I took over the database in January 1999. The findings are being published in the journal titled "Paediatric Surgery International", an indexed journal.

AUDIT ON GASTROSCHISIS FOR NEW SOUTH WALES AND QUEENSLAND (AUSTRALIA)

A database was established at The Children's Hospital at Westmead in Sydney to collect data on a prospective and retrospective basis for eliciting information regarding the dependence of neonatal outcome in Gastroschisis upon 1) the mode of delivery, 2) place of birth, 3) time from birth to Surgery, 4) method of closure, 5) time from operation to commencement of first enteral feeds. The neonatal intensive care database from five major tertiary centers from New South Wales and Queensland contributed data on 181 neonates of Gastroschisis from 1990 to 2000. The results have been presented at the Pacific Association of Paediatric Surgeons International meeting in Japan, and they have been accepted for publication in the "Paediatric Surgery International" journal.

STANDARDIZING PATHWAYS FOR THE MANAGEMENT OF CONSTIPATION

The Special Clinic for Children with Constipation at the Queen's Medical Centre and Virtual Clinics in Community has been set up, and data collection forms are being finalized. These clinics are part of a new development plan for establishing uniform guidelines and a uniform policy of managing constipation in Nottinghamshire. We have developed clinical pathways involving General Practitioners, Community Paediatricians, and a Paediatric Gastroenterologists to streamline the care of children with constipation. The plan constitutes that General Practitioners will manage simple cases of constipation as per set protocols. Complex cases will be referred to the virtual clinics run by Community Paediatrics; a few will come directly to the special clinics depending upon the set criteria provided to GPs. Hence, most of the children can be managed in community pediatrics, and complex cases will be referred to the special clinics for further investigation (Bastow Laboratory) and Management. Upon completion, they will be referred to the Community Paediatricians and later to their GPs. We will audit the outcomes, and then this model can be applied to other subspecialties such as Enuresis Clinics, etc.

THE WORLD HEALTH ORGANIZATION (WHO) SURGICAL SAFETY CHECKLIST

The World Health Organization (WHO) Surgical Safety Checklist was introduced in 2010 within our Main Operating theatres. This is a one-page, safety checklist published in June 2008 by the WHO. The checklist calls for a 'time out' immediately before incision, confirming the patients' identity and the procedure to be performed. This should be accompanied by pre-anesthesia 'sign in' checks and post-procedure 'sign-out' checks. When this was introduced three years ago, the staff, including some surgeons took it as another form filling exercise. It is essential to ensure active, willful engagement of the whole multidisciplinary team for this introduction to be successful. As a surgical lead, I decided to win people's minds and hearts for this project. I led an objective audit done by staff that least believed in it. It lasted six months and revealed that guidelines reduced complications by 10%.

OTHER AUDITS

1. Blunt Abdominal Trauma: an interactive case presentation and audit of outcome following regional guidelines 2007-2012P Jackson, R Peeraully, C Halliday, S Singh presented at BAPS National Trauma Meeting Nottingham March 2012
2. Are we providing a satisfactory Paediatric Surgical outpatient service? (Audit results of a patient survey) P Sharma, A. Hanley, SO Ogunbiyi, P Jackson, S Singh presented at ASiT 2013

TEACHING EXPERIENCE & AWARDS

UNDERGRADUATE TEACHING

| | |
|--|---------------------|
| Medical students at University Hospital and City Hospital (University of Nottingham), UK | Feb. 1995- Aug 1998 |
| Medical students at The Children's Hospital at Westmead and City Hospital (University of Sydney-SCORPIOS Teachings) Sydney, Australia | Jan 1999 – May 2001 |
| Medical students at University Hospital and City Hospital (University of Nottingham), UK SCORPIOS Teachings and Training sessions for Suturing. | May 2001 - Jul 2009 |
| Medical students at CNMC Washington DC | Jul 2009 - Jul 2010 |
| Medical students at University Hospital Nottingham | Jul 2010 - May 2017 |
| Medical students at WVU Hospitals | May 2017 - Aug 2019 |

POSTGRADUATE TEACHING

| | |
|---|----------------------|
| Postgraduates in General Surgery at Postgraduate Institute of Medical Education and Research (PIMER), Chandigarh, INDIA | Aug 1990 - Jun 1994 |
| Postgraduates in Paediatric Surgery at PIMER, Chandigarh, INDIA | Jul 1993 - Jun 1994 |
| Registrars and SHO in Paediatric Surgery at The Children's Hospital in Sydney | Jan 1999 - Apr 2001 |
| Registrars, SHO and MRCP students University Hospital and City Hospital (University of Nottingham), UK | May 2001 - July 2009 |
| Paediatric Surgical Fellows and Surgery Residents at CNMC Washington DC | Jul 2009 - Jul 2010 |
| Pediatric Surgical Residents at NUH Nottingham | Jul 2010 - May 2017 |
| Surgical Residents at WVU Hospitals | May 2017 - Aug 2019 |

NURSING TEACHING

| | |
|---|---------------------|
| Undergraduates and Postgraduates in Paediatric and General Nursing at Postgraduate Institute of Medical Education and Research, Chandigarh, India | Aug 1990 - Jun 1994 |
|---|---------------------|

REGULAR INSTRUCTOR FOR COURSES

| |
|--|
| Emergency Management of Severe Burns EMSB) run by Australian New Zealand Burns Association on the pattern of ATLS (This course is run in UK and Holland) |
|--|

Basic Skills Course for Junior Surgical Trainees run by Intercollegiate Board of Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland

CCrisp Course - a course on critical care for surgical patients run by the Royal College of Surgeons of England

War Surgeons of UK

NEW COURSES INITIATED AND DEVELOPED

SCORPIO FOR UNDERGRADUATES

SCORPIO stands for Structured Clinical Objective Referenced Problem-oriented Integrated Organized teaching methodology. It was developed at the University of New South Wales in Australia. It provides a medium for clinicians to teach clinical and procedural skills to small rotating groups of students. We used this system to teach Paediatric Surgery to undergraduates in Nottingham. The format of the session involves a brief introduction provided to the full student group outlining the subject area and teaching arrangement. Four to six groups of six to ten students (ideally fewer) rotate through four to six teaching stations. Each group remains at the station for thirty minutes and then moves on to the next teaching station. In each station, clinical and procedural skills such as catheterization or suturing are provided in an interactive method. The purpose is to teach salient fundamental concepts in pediatric Surgery to students so that irrespective of their future career they will never mismanage problems such as malrotation with volvulus and testicular torsion. They will also be well versed in some basic skills such as fluid and electrolyte management, suturing, and urethral catheterization, etc. Feedback has been very encouraging, and the results were presented in the British Association of Paediatric Surgeons International meeting in Cambridge in July 2002. This course has been running successfully.

TEACHING SUTURING SKILLS FOR UNDERGRADUATES

I started a new course in 2002 to introduce the basic skills of suturing to undergraduates. Johnson and Johnson sponsored the course, and they provided the teaching materials in the form of instruments and sutures. The duration of the course was 2.5 hours. There were five instructors (Specialist Registrars from Paediatric Surgery and General Surgery); each instructor supervising a group of four students. The students were taught how to handle instruments, place simple and mattress sutures, tie reef knots (instruments and hand-held) and remove sutures. The purpose was two-fold: 1) to introduce undergraduates to the art of suturing so that they know the basic suturing skills when they become junior house officers and 2) to attract talent to surgical specialties. We ran three courses in the Medical School at the University Hospital; Queen's Medical Centre (QMC) and received very encouraging feedback. The Department of Paediatric Surgery and Department of Surgery at the University Hospital QMC, Nottingham, prepared a simple handout. When the European Working Time Directive came into force, I could not get Specialist Registrars for faculty and had to abandon the course in 2003.

TEACHING AWARD FOR UNDERGRADUATE TEACHING

I am passionate about undergraduate teaching. I always give an introductory lecture on Paediatric Surgery and regularly give a regular tutorial on 'Fluid and Electrolyte imbalance and Acid-base disturbance' to undergraduates. I got regular good feedback and was awarded for my outstanding teaching by the University of Nottingham in 2012.

TEACHING AWARD FOR POSTGRADUATE TEACHING (GENERAL SURGERY RESIDENTS AT WEST VIRGINIA UNIVERSITY HOSPITALS, MORGANTOWN, WEST VIRGINIA)

I received the "Outstanding Attending Surgeon" Award, established in honour of Bernard Zimmermann, MD. It was presented to me in June 2018 in West Virginia University Hospitals in recognition of outstanding contribution to resident education in 2017-2018.

VISITING PROFESSORSHIP

1. I was a visiting professor at the **Cincinnati Children's Hospital in Ohio, USA**. I visited the hospital in May 2004 for four days and gave a talk to the Department of Paediatric Surgery titled "How we manage Constipation in Children in Nottingham". The visit was beneficial, and I have established links with this center for British Paediatric Surgical Trainees to undergo paid fellowships in research or clinical areas.
2. I was a Visiting Professor at the prestigious **Post Graduate Institute of Medical Education and Research, Chandigarh, India**. The Director of the Institute invited me in November 2023 to share my experience of working in Five Continents and its relevance to the current Context. I visited and stayed there for 2 days, conducted teaching ward rounds, gave a keynote lecture on Necrotizing Enterocolitis, and addressed the faculty with a lecture on my experience in the Five Continents.
3. **Medical College Amritsar, Punjab, India**. I was invited as a visiting Professor for the 100th Anniversary. I graduated from the same medical School in 1985. I delivered a lecture and interacted with faculty, residents, and undergraduates.
4. **King Edward's Medical School, Lahore, Pakistan**. The Vice Chancellor invited me. I delivered a lecture and interacted with faculty, residents, and undergraduates.

LECTURER IN OVERSEAS WORKSHOPS

- 1) I delivered two lectures at the First Adriatic Seminar in Pediatric Surgery on Hirschsprung's Disease in Trieste (Italy) on 1-2 October 2004. The topics were "Manometry" and "Post-Operative Manometry". I was a member of the panel discussing "Diagnostics in Hirschsprung's Disease" and "Long Term Observation in Hirschsprung's Disease".
- 2) I delivered a lecture in the INTERNATIONAL CONFERENCE „PEDIATRIC SURGERY: TOP OF THE TOP, GDANSK, POLAND 24-25TH NOVEMBER 2025– « Comparison of American, Australian and UK system of training «

EXAMINER

- Member of the Court of Examiners of the Royal College of Surgeons of London (MRCS)
- Examiner for the Intercollegiate Board of Paediatric Surgery (FRCS Paed Surg.). (Royal College of Surgeons of England, Glasgow, Edinburgh, and Ireland)
- Examiner for 'Doctorate of Medicine' for the University of Leeds, UK

LECTURER IN NATIONAL MEETINGS

Delivered lectures on Paediatric Trauma at a course titled "Trauma for War Surgery."

ESTABLISHING CLINICAL FACILITIES OVERSEAS

I was instrumental in establishing the Gastrointestinal Physiology Unit with expertise for Anorectal Manometry and Biofeedback in Kuwait in February 2005, on an official invitation by the Ministry of Health in Kuwait.

TRAINING OF OVERSEAS TRAINEES

I trained a Higher Paediatric Surgical Trainee from Trieste (Italy) in Anorectal manometry in March 2005. This trainee visited and stayed in Nottingham for one week and is establishing a facility in Italy.

PATIENT INFORMATION LEAFLETS

I have produced eighteen color illustrated patient information leaflets for EIDO Health Care UK. These leaflets are currently being used by the NHS and various Children's Hospitals Internationally. They are accessible on their website www.eidohealthcare.com.

MANAGEMENT EXPERIENCE & QUALIFICATION

NOTTINGHAM (UK)

As head of the Bastow Clinical Investigative Unit, I was involved in setting up the unit in 2001, and since then I have been responsible for making sure that it runs smoothly on a day-to-day basis. I coordinated liaisons with the adult Gastrointestinal Physiology department. I was a Program Director for Paediatric Surgery, a position held from September 2004 until April 2008. I was responsible for the selection and training of higher surgical trainees in Paediatric Surgery. As part of the job, I coordinated rotations for Higher Paediatric Surgical Trainees and looked after their overseas placements, annual assessments, and appraisals. We had seven higher surgical trainees in Nottingham.

SYDNEY (AUSTRALIA)

I have been Senior Registrar at the Children's Hospital at Westmead in Sydney. I was involved in the organization of rosters, postgraduate teaching (done daily), audit (done every month) and combined meetings with Radiology, Pathology, Oncology and Gastroenterology. There were regular management courses run by an experienced team, and I attended three courses on Appraisal and Assessment: Managing Conflict in the Workplace and Managing External Disaster. Each course was for one day. I was a member of the committee that set up the criteria of admission for the High Dependency Unit (HDU). I was also a representative for the Department of Surgery for the External Disaster Team of The Children's Hospital at Westmead in Sydney.

CHANDIGARH (INDIA)

As Chief of Resident General Surgery and Paediatric Surgery at the Postgraduate Institute of Medical Education and Research, Chandigarh, India, I was responsible for the organization and Management of teaching sessions, rosters, assessments for junior doctors, audit, mortality, and morbidity meetings.

MASTER'S IN BUSINESS ADMINISTRATION (MBA)

I joined an MBA course at the University of Warwick in July 2004. This program consisted of eight compulsory modules and five elective modules and a dissertation. The compulsory modules were Financial Accounting, Organizational Behavior, Market Analysis, Operations Management, Modelling and Analysis for Management, Information Management, Strategic Advantage, Strategy and Practice. I have passed the eight compulsory modules. The five elective modules which I chose and have completed are: Curing Illness and Creating Health, Management of Change, International Marketing, Corporate Governance and Service Management. I have completed my dissertation on "Clinical Excellence Awards" for NHS consultants and obtained the degree of MBA in February 2009.

ADMINISTRATIVE EXPERIENCE

INTERNATIONAL CONFERENCE

1. In charge of organizing - "Challenges in Paediatric Surgery" in Nottingham on 22 July 2002 (International meeting a day before the British Association's Annual International meeting in Cambridge (UK).
2. Member of Organizing Committee - "First International Seminar on Development of Paediatric Surgical Centers in Developing Countries". Organized at Post Graduate Institute of Medical Education and Research, Chandigarh, India (September 1993)

NATIONAL CONFERENCE

Member of organizing Committee - " National Workshop on Surgical Management of Anorectal Malformation led by Professor Alberto Penna (USA) organized at Post Graduate Institute of Medical Education and Research, Chandigarh, India (November 1991.)

EDITORSHIP OF CONFERENCE PROCEEDINGS

INTERNATIONAL

I was the Editor of proceedings of "First International Seminar on Development of Paediatric Surgical Centers in Developing Countries" organized at Post Graduate Institute of Medical Education and Research, Chandigarh, India in September 1993.

NATIONAL

Editor of proceedings of "National Workshop on Surgical Management of Anorectal Malformation" led by Professor Alberto Pena (USA) organized at Post Graduate Institute of Medical Education and Research, Chandigarh, India in November 1991

IT SKILLS

1. PowerPoint, Word
3. Excel – Spreadsheets
4. Access database
5. SPSS - Statistical program
6. Reference Manager and Endnote-Citation programs
7. Online Medical Database search

REFEREES

- 4. Mr. Bharat More**
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APPENDICES

APPENDIX 1: PARTICIPATION IN CONFERENCES/WORKSHOPS (NATIONAL AND INTERNATIONAL)

| Conference/Workshop | Venue | Year |
|--|--|-----------|
| National Workshop on Surgical Management of Anorectal Malformation led by Prof. Alberto Pena (USA) | PGIMER Chandigarh, India | Nov 1991 |
| 1st National Workshop in Problems of Paediatric Urology-Surgery of Ureters led by Prof. Cohen (UK) and Prof. Prem Puri (Ireland) | AIIMS, New Delhi, India | Jan 1992 |
| Indian Association of Paediatric Surgeons (Midterm Conference) | Bombay, India | Nov 1992 |
| First International Seminar on Development of Paediatric Surgical Centers in Developing Countries | PGIMER, Chandigarh, India | Sep 1993 |
| Simpson Smith Symposium | Institute of Child Health Great Ormond Street, London, UK | June 1995 |
| Oncology for the Paediatric Surgeon | St. James University Hospital, Leeds, UK | July 1995 |
| British Association of Paediatric Surgeons XLII Annual International Conference | Octagon Centre, University of Sheffield, UK | July 1995 |
| Paediatric Trauma Symposium (In association with Children's National Trauma Centre, Washington and Conquest Hospital, Hastings) | Children's Hospital Lewisham, London, UK | July 1995 |
| BAPS Autumn Senior Registrar Training Meeting | Royal Hospital for Sick Children, Glasgow, UK | Sep 1995 |
| Advanced Trauma Life Support Course (ATLS) | Queen's Medical Centre Nottingham (UK) | Jan 1996 |
| Trent Nephrourology Meeting | City Hospital Nottingham, UK | Mar 1996 |
| 4th Leicester Paediatric Nephrourology Symposium | Leicester Royal Infirmary Leicester, UK | Mar 1996 |
| BAPS Training Day for Registrars and Senior Registrars | Manchester Children's Hospital, Manchester, UK | Apr 1996 |
| Recent Advances in Bladder Reconstruction | St. James University Hospital Leeds, UK | June 1996 |
| British Association of Paediatric Surgeons Annual Conference | Jersey, UK | July 1996 |
| BAPS Training Day for Registrars and Senior Registrars | Children's Hospital, Birmingham, UK | Oct 1996 |
| Trent Nephrourology Meeting | City Hospital, Nottingham, UK | Oct 1996 |
| II Annual Paediatric Laparoscopy Meeting | Postgraduate Education Centre Queen's Medical Centre Nottingham, UK | Nov 1996 |
| BAPS Training Day for Registrars and Senior Registrars | Southampton General Hospital, Southampton UK | Mar 1997 |
| Oncology for Paediatric Surgeons (UKCCSG) | Burwalls University of Bristol (UK) | Apr 1997 |

| Conference/Workshop | Venue | Year |
|--|---|-----------|
| Trent Nephrourology Meeting | City Hospital, Nottingham, UK | May 1997 |
| Paediatric Endoscopic Surgery Workshop | Leeds, UK | July 1997 |
| British Association of Paediatric Surgeons Meeting, XLIV International Congress | Hilton Convention Centre Istanbul, Turkey | July 1997 |
| Trent Nephrourology Meeting | City Hospital Nottingham | Oct 1997 |
| Advanced Paediatric Life Support Course (APLS) | Queens Medical Centre, Nottingham (UK) | Nov 1997 |
| BAPS Training Day for Registrars and Senior Registrars | Alder Hey Hospital for Children Liverpool, UK | Nov 1997 |
| International Congress of Paediatric Surgery and Paediatrics | Cape Town, South Africa University of Cape Town | Feb 1998 |
| Advanced Specialist Registrar Training Day | Sheffield, UK | Feb 1998 |
| Using Evidence to Improve Clinical Practice and Patient Outcome | University of Nottingham Faculty of Medicine and Health Sciences Nottingham, UK | Mar 1998 |
| Simpson Smith Symposium | Institute of Child Health Great Ormond Street, London UK | June 1998 |
| 6th Leicester Paediatric Urology Symposium | Grand Hotel Leicester, UK | June 1998 |
| British Association of Paediatric Surgeons Annual International Conference | Bristol, UK | July 1998 |
| How to search Medline | Sydney, Australia | May 1999 |
| Ultrasound: The Surgeons Stethoscope-a Workshop on Paediatric Surgeon performed ultrasound | Sydney, Australia | May 1999 |
| Pacific Association of Paediatric Surgeons Meeting | Beijing, China | May 1999 |
| Training for External Disaster Teams | Sydney, Australia | May 1999 |
| Improving your statistical know-how | Sydney, Australia | May 1999 |
| Emergency Management of Severe Burns (Selected for the instructor course) | Sydney, Australia | June 1999 |
| How to use PowerPoint | Sydney, Australia | Jul 1999 |
| NSW Paediatric Surgery Group Meeting | Canberra, Australia | Jul 1999 |
| Australian Association of Paediatric Surgeons Meeting | Broome, Western Australia | Sep 1999 |
| Paediatric Urology Meeting | Brisbane, Australia | Nov 1999 |
| Emergency Management of Severe Burns-Instructor course | Auckland, New Zealand | Dec 1999 |

| Conference/Workshop | Venue | Year |
|---|--|-------------|
| Paediatric Trauma Conference | Sydney, Australia | Jan 2000 |
| Emergency Management of Severe Burns- Instructor | Sydney, Australia | Mar 2000 |
| Royal Australasian College of Surgeon's Annual Scientific Congress | Melbourne, Australia | May 2000 |
| Emergency Management of Severe Burns (EMSB)- Instructor | Townsville, Australia | June 2000 |
| Paediatric Trauma Conference for Nurses- Instructor | The Children's Hospital at Westmead Sydney, Australia | June 2000 |
| XIIIth International Cystic Fibrosis Congress | Stockholm, Sweden | June 2000 |
| Emergency Management of Severe Trauma (EMST)-Instructor's Course | Melbourne, Australia | Nov 2000 |
| Paediatric Urology Club | Adelaide, Australia | Nov 2000 |
| New South Wales Paediatric Surgeon's Meeting | Newcastle, Australia | Nov 2000 |
| Advanced Reference Manager | The Children's Hospital at Westmead, Sydney | Feb 2001 |
| Appraisal and Assessment, Managing External Disaster | The Children's Hospital at Westmead, Sydney | Mar 2001 |
| Managing Conflict in the workplace | The Children's Hospital at Westmead, Sydney | Apr 2001 |
| Basic Skills Course- Instructor | Sydney University | Feb 2001 |
| Emergency Management of Severe Trauma (EMST)-Instructor | Westmead Hospital, Sydney | Mar 2001 |
| Australian Association of Paediatric Surgeon's Annual Meeting | Brisbane (Australia) | Mar 2001 |
| IPEG- Laparoscopic Course and Meeting | Brisbane (Australia) | Mar 2001 |
| Pacific Association of Paediatric Surgeon's Meeting | Kyoto, Japan | Apr 2001 |
| Trent Regional Paediatric Society Meeting | Doncaster (UK) | July 2001 |
| British Association of Paediatric Surgeons Annual International Conference | London (UK) | July 2001 |
| Advanced Trauma Life Support Course (ATLS)- Instructor | Nottingham (UK) | July 2001 |
| Basic Surgical Skills Course -Instructor | Derby (UK) | Oct 2001 |
| Advanced Paediatric Life Support Course | Nottingham (UK) | Nov 2001 |
| Basic Surgical Skills Course -Instructor | Derby (UK) | Mar 2002 |
| Simpson Smith Symposium and Memorial Lecture | London (UK) | May 2002 |

| Conference/Workshop | Venue | Year |
|---|--|-----------|
| Program for Non-Clinical Professional Development of Specialist Registrars (Appraisal, Mentoring, Coaching, dealing with conflict/confrontation, Acting as referee) | University Hospital Nottingham (UK) | Mar 2002 |
| CCrisp Instructor Course | Royal College of Surgeons in England, London | Dec 2001 |
| Making Change Happen | University Hospital Nottingham (UK) | June 2002 |
| Challenging the Boundaries Interpersonal Learning for Health and Social Care Professionals | Sheffield Hallam University Sheffield | July 2002 |
| Challenges in Paediatric Surgery | City Hospital, Nottingham | July 2002 |
| British Association of Paediatric Surgeon's International Meeting | Cambridge, UK | July 2002 |
| 15 th International Symposium of Paediatric Surgical Research | Graz, Austria. | Nov 2002 |
| Anal Ultrasound-workshop | St. Marks Hospital, London | Nov 2002 |
| Clinical Teachers meeting | Nottingham, UK | May 2003 |
| British Association of Paediatric Surgeons Annual International Meeting | Estriol, Portugal | July 2003 |
| Trent Paediatric Society Meeting | Nottingham UK | Oct 2003 |
| Paediatric Advanced Laparoscopic Course | Strasbourg (France) | Nov 2003 |
| American Association of Paediatric Surgeons Meeting | Beach Ponte Vedra Florida USA | May 2004 |
| Equal Opportunity Course | Leicester (UK) | June 2004 |
| First Adriatic Seminar in Pediatric Surgery | Trieste, Italy | Sep 2004 |
| NECON-2004 (Neonatal Meeting) | PGIMER, Chandigarh, India | Oct 2004 |
| New Surgical Curriculum Conference | Royal College of Surgeons of England LONDON | Oct 2004 |
| Educational Supervision | University of Nottingham, UK | Nov 2004 |
| Training Day EIDO Health Care | Nottingham | Nov 2004 |
| Standing Together to Face the Future - (For Surgical Training) | Nottingham | Nov 2004 |
| Educational Supervision | University of Nottingham | Nov 2004 |
| Training the Trainer | Royal College of Surgeons of England | Apr 2004 |

| Conference/Workshop | Venue | Year |
|--|--------------------------------------|-------------|
| New Examiner's Training Course | Royal College of Surgeons of England | Jan 2005 |
| Pacific Association of Pediatric Surgeon's (PAPS) 38 th International Meeting | Vancouver, Canada | May 2005 |
| British Association of Pediatric Surgeon's International Meeting | Dublin, Ireland | July 2005 |
| Pacific Association of Pediatric Surgeon's (PAPS) 39 th International Meeting | Taipei, Taiwan | May 2006 |
| British Association of Pediatric Surgeon's International Meeting | Edinburgh, UK | July 2007 |
| British Association of Pediatric Surgeon's International Meeting | Salamanca, Spain | July 2008 |
| American Academy of Pediatrics | Washington DC | Sept 2009 |
| American Association of Pediatric Surgeons | Orlando (USA) | May 2010 |
| British Association of Pediatric Surgeon's International Meeting | Belfast (N. Ireland) | July 2011 |
| Advanced Paediatric Life Support Course | Nottingham | Nov. 2011 |
| Advanced Trauma Life Support Course | Nottingham | Mar. 2012 |
| EUPSA-BAPS Joint Congress | Rome (Italy) | June 2012 |
| Challenges in Abdominal Wall Defects | Vienna (Austria) | April 2012 |
| Paediatric Dietetics Course | London | Nov 2012 |
| EUPSA | Leipzig | May 2013 |
| BAPS | Edinburgh | July 2014 |
| International Colorectal Meeting | Milan | June 2015 |
| BAPS | Cardiff | July 2015 |
| European Colorectal Congress | Switzerland. | Dec. 2015 |
| BAPS | Amsterdam | July 2016 |
| Indian Association of Paediatric Surgeons Meeting | Agra (India) | Sept. 2016 |
| American Academy of Pediatrics (AAP) | San Francisco | Oct 2016 |
| American Association of Pediatric Surgeons (APSA) | Florida | May 2017 |

| Conference/Workshop | Venue | Year |
|---|--------------------------------|---------------|
| 3 rd International Conference on Pediatrics and Pediatric Surgery-2018 | Frankfurt | May 2018 |
| American Academy of Pediatrics | Florida | Nov 2018 |
| WVU Statewide Trauma Audit | Morgantown WV USA | Feb 2019 |
| 4 th Annual Faculty Engagement Event | Morgantown WV USA | March 2019 |
| British Association of Paediatric Surgeons Winter Meeting | Glasgow | Feb 2000 |
| British Association of Paediatric Surgeons Winter Meeting | Teams/Zoom | July 2021 |
| British Association of Paediatric Surgeon's Annual Meeting | Birmingham | July2022 |
| Indian Association of Paediatric Surgeons | Goa, India | Oct. 2022 |
| British Association of Paediatric Surgeon's Winter Meeting | Bristol | Dec 2022 |
| British Association of Paediatric Surgeon's Annual Meeting | Belgium | June 2023 |
| Pacific Association of Paediatric Surgeons Meeting | Bali, Indonesia | Sept.2023 |
| Indian Association of paediatric Surgeons | Aurangabad, Maharashtra, India | Nov 2023 |
| British Association of Paediatric Surgeon's Annual Meeting | Newcastle upon Tyne, UK | Dec 2023 |

| Conference/Workshop | Venue | Year |
|---|-------------------------------|-------------|
| American Association of Physician Leadership | Nashville, Tennessee, USA | April 2024 |
| British Association of Paediatric Surgeons | Sheffield | July 2024 |
| Indian Association of Paediatric Surgeons Meeting | Rishikesh, Uttarakhand, India | Nov 2024 |
| British Association of Paediatric Surgeon's Winter Meeting | London | Nov 2024 |
| Innovation and Excellence in Paediatrics 1 st Annual NMC Medical Conference | Dubai | April 2025 |
| British Association of Paediatric Surgeons Meeting | Bruges Belgium | June 2025 |
| INTERNATIONAL CONFERENCE „PEDIATRIC SURGERY : TOP OF THE TOP » | GDANSK, POLAND | Nov., 2025 |

APPENDIX 2: DETAILS ABOUT INSTITUTIONS TRAINED AT

India

The Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh is one of the most prestigious and busy teaching hospitals in India. It is a premier tertiary-care referral center with over 1000 beds, which caters to the whole of Northern India covering a population base of over 25 million people. It is an academic center, which is reputed for its emphasis on research and comprehensive patient care. It trains physicians to perform leadership roles all over the country. The selection is based on a national examination, and only six candidates are selected for Surgery out of over 2000 that sit for the entrance exam. While here, I learned my basic surgical skills and rotated through various surgical specialties.

As Chief Resident in General Surgery, it was my responsibility to teach junior doctors. My job description included conducting daily teaching rounds with them, organizing, and chairing academic deliberations such as Journal Club and weekly statistical sessions. All cases admitted within the last week were critically evaluated during these statistical sessions. This position is recognized by the Government of India to be a teaching position and is considered equal to that of a Lecturer.

As a Chief Resident in Paediatric Surgery, my responsibilities were like those of the Chief Resident in General Surgery. As Assistant Professor of Paediatric Surgery, my duties involved teaching advanced surgical skills to chief residents, pediatric surgery residents and to the general surgical residents rotating through the super-specialty of pediatric Surgery. I used to assess and judge the performance of the above higher surgical trainees and was involved in their selection and exit examination. Coordinating the teaching programs and duty rosters were also part of my work commitments.

United Kingdom

, is an internationally recognized 1500 bed, tertiary-care referral center that is one of the largest hospitals in Western Europe. It has also recently been appointed a Level One trauma center.

It is famous for its gastrointestinal Surgery, especially its colorectal Surgery and cancer unit which combines state of the art surgical treatments supported by a robust concurrent research program. The Colon Cancer screening program at Nottingham is internationally acclaimed as a standard all over the world. It is a well-known center for Paediatric Surgery and Paediatric Urology training.

I started as Registrar in Paediatric Surgery at University Hospital, Queen's Medical Centre, Nottingham in February 1995 and continues till August 1995. My job as registrar of Surgery entailed independent and full responsibility for all aspects of ward management. There was a weekly commitment of 2 outpatient clinics, four operating room sessions and being on call with junior medical staff in a 1:4 Rota. While on call, I oversaw assessing the patients and making management decisions. I gathered extensive experience in all aspects of emergency and elective pediatric surgical procedures.

Academically, there were regular weekly postgraduate learning sessions, including audit meetings and journal clubs. I was responsible for teaching medical students from the University of Nottingham and conducted a weekly formal lecture for them on surgical topics. I taught Senior House Officers various surgical procedures in the day stay surgery unit and main operating theatres. I was involved in the teaching of SHOs who are preparing for the FRCS examinations.

Kuwait

Ibn Sina Hospital is a tertiary referral center for Paediatric Surgery for all of Kuwait. The Department of Paediatric Surgery has a Paediatric Intensive Care Unit with six beds, a Neonatal Intensive Care Unit with 15 beds and a General Paediatric Surgery Unit with 35 beds. The paediatric surgery unit is well supported by dedicated Paediatric Radiologists including Intervention Radiologists, Paediatric Anesthesiologists, and Neonatologists, Nuclear Medicine specialists, a GI physiology laboratory and Urodynamic laboratory. The hospital is visited every year by eminent visiting professors in Paediatric Surgery and Urology from all over the world, some notable ones being Dr James O'Neil, Dr. Howard Sneider, Mr. Amir Azmy, Dr Paolo Kaiony, Mr. Cohen, Dr PP Selly, Dr Raffael Gosalbez, Mr Azad Mathur, Mr. Shailinder Singh and Dr Waleed Farhat.

Ibn Sina Hospital provides Paediatric Surgical services to 5 major Paediatric Hospitals in Kuwait, all of which have ample Neonatal Intensive care facilities. The neonatal Surgery for all these units is provided at Ibn Sina Hospital. There is a rapid turnover rate in neonatal Surgery. Neonates, once stable following their operations, are shifted early on to their referring neonatal center for their full surgical recovery. There is a specialized Paediatric Oncology unit in close vicinity of the hospital. Ibn Sina Hospital provides surgical oncology.

Currently, the hospital is performing on an average of 300 pediatric and neonatal surgeries per month, which includes neonatal surgeries, open and laparoscopic pediatric surgeries. The Department of Paediatric Surgery provides four outpatient clinics per week. On average, 100 children are seen each day in these clinics. The operative theatres are run over five days a week. The average number of children operated each year is 3000.

Australia

The Children's Hospital at Westmead (Royal Alexandra Hospital for Children), Sydney is one of the world's newest centers for Paediatric care and the oldest children's hospital in New South Wales - established in 1880. It has 350 beds with 50 intensive care beds. It has the state's only burns unit for children. As a higher surgical trainee, I trained in all the aspects of burns management. As a teaching hospital of the University of Sydney, I was involved in the instruction of fifth-year medical students and graduate medical students. This is the first pediatric hospital in the world to have no X-ray films. X-ray information is stored on computer and viewed at terminals throughout the hospital. Pioneering work into gene therapy, Hirschsprung's disease and trauma are being carried out in this institution's research laboratories. I was exposed to and trained in the fields of laparoscopy, liver and renal transplants and intensive care.

The new graduate medical program (The University of Sydney Medical Program) has involved the pediatric surgical team at The Children's Hospital at Westmead in planning and teaching a comprehensive basic pediatric surgery curriculum, incorporating several educational innovations. Curriculum design has revolved around the principles of small group interactive teaching and is effectively continuing case-based teaching into the clinical years. I have gained experience in teaching small rotational group SCORPIO workshops. (* SCORPIO - Structured Clinical Objective Referenced Problem-oriented Integrated Organized rotational workshops) in General Paediatric surgery. These intensive sessions involve coverage of important surgical topics in a "hands-on" interactive way with students. They are an exciting and highly successful innovation in pediatric Surgery and are very popular with students.

The Children's Hospital at Westmead has a separate Department of Surgical Research, headed by Professor Daniel T. Cass. This department is known for its work in the field of Lower Gastrointestinal problems, especially Constipation and Hirschsprung's Disease. It has been responsible for collecting data on all the Hirschsprung's patients in Australia since 1997. There is a good database involving more than 110 patients.

Being a part of this department, I spent a good deal of time looking into bowel motility related problems. The hospital has a very well-developed Paediatric Gastroenterology Unit with five Consultant Paediatric Gastroenterologists and a Professor of Paediatric Gastroenterology. I had my training in clinical investigations in gastroenterology in Sydney, which helped me in establishing the facilities at the University Hospital in Nottingham.

USA

Children's National Medical Center (CNMC) in Washington, DC is the only exclusive provider of pediatric care in the Washington metropolitan area and is the only freestanding children's hospital between Philadelphia, Pittsburgh, Norfolk, and Atlanta. Serving the nation's children for more than 130 years, Children's National is a proven leader in the development and application of innovative new treatments for childhood illness and injury.

At CNMC, an internationally recognized team of pediatric healthcare professionals care for more than 360,000 patients each year, who come from throughout the region, nation, and world. Serving as an advocate for all children, Children's is the largest non-governmental provider of pediatric care in the District of Columbia, providing more than \$50 million in uncompensated care. Besides, Children's serves as the regional referral center for pediatric emergency, trauma, cancer, cardiac and critical care as well as neonatology, orthopedic Surgery, neurology, and neurosurgery. Children's National is proudly ranked consistently among the best pediatric hospitals in America by US News & World Report and the Leapfrog Group.

I worked as an Attending in the Department of Urology and Department of Surgery. In that role, I did two clinics in Urology per week and one operating list per week. I participated in the on-call roster for both Pediatric Urology and Pediatric Surgery. I was also surgeon of the day every Thursday, which means I provide emergency cover from 6 AM to 3:30 PM as Attending Pediatric Surgeon.

I started working as Attending Pediatric Surgeon at West Virginia University Hospitals since May 2017. This job involved clinical commitments, teaching (undergraduates and postgraduates) and research. The research involves collaboration with the engineering department at WVU to develop intestinal feeding tubes to feed into intestine without peristalsis. I became Chief of Pediatric Surgery in September 2018 and stayed at that position till August 2019 when I returned to the UK.