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CURRICULUM VITAE

Stephen Brown

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Born

[REDACTED]

EDUCATION AND QUALIFICATIONS.

Educated [REDACTED] and Queen's University Belfast.

Graduated MB, BCh, BAO July 1967.
(Full Registration July 1968)
FRCS (Ed) November 1971.

Specialist Accreditation in Paediatric Surgery. Joint Royal Colleges of Surgeons 1977

MSc in Health and Social Services Management University of Ulster 1998.

EXPERIENCE AND TRAINING.

House Officer Aug 1967 to July 1968.

Demonstrator in Anatomy, Queen's University Belfast Aug 1968 to Jan 1969.

Senior House Surgeon (Rotating appointments) Feb 1969 to July 1970

Registrar in General and Specialist Surgery Aug 1970 to July 1972.

Senior Surgical Registrar Aug 1972 to Dec 1973.

All the above posts at SHO, registrar and senior registrar grade were within the surgical training programme in the Northern Ireland Hospitals Authority. In this programme there is a balanced training in general surgery and in specialties such as neurosurgery, plastic surgery and trauma/orthopaedics.

Resident Surgical Officer (Registrar) Paediatric Surgery Royal Manchester Children's Hospital Jan 1974 to Dec 1975.

Resident Assistant Surgeon (Senior Registrar) Paediatric Surgery. The Hospital for Sick Children, Great Ormond Street, London. Jan 1976 to March 1978.

This post is technically at senior registrar level, but there are additional administrative duties. As RAS, I was involved in appeals by junior staff concerning payments for additional duties, I maintained all surgical rotas, and arranged the employment of locums where needed, and organised bed availability throughout the various surgical departments.

SENIOR POSTS.

Consultant Paediatric Surgeon. Royal Belfast Hospital for Sick Children (7 sessions) and Ulster Hospital Dundonald (3 sessions). 1st April 1978.

For the first period as a consultant I was involved in a 1:2 rota covering three acute hospitals. During the early years, in conjunction with my colleague, we developed the specialty of paediatric surgery, to provide safe and effective surgical intervention for newborn and premature infants. We rapidly increased the use of day surgery, with improvements in surgical techniques and post operative analgesia.

My own developments have been in the field of urodynamic investigation and in bladder dysfunction in general. I introduced and developed the technique of urodynamics in children. This has been available now in Belfast for about 18 years, and we were the first centre outside London to perform this test.

I run a multidisciplinary bladder function clinic with input from a nurse specialist, bringing in the expertise of continence advisers from throughout the Province.

The management of the neuropathic bladder, a common complication of spina bifida, has been revolutionised by urodynamics. Instead of the standard ileal conduit urinary diversion, which suited many children, but which left some with progressive renal failure, I am able to tailor management to the individual child. No spina bifida child has developed renal failure in the past 15 years.

Urodynamics has proved to be a potent research instrument. Since acquiring the new machine in 1996, I have made 5 presentations to UK and International Bodies. A submission is being prepared for a major research project which will involve collaboration between Belfast and Dublin, and a further project has been funded which will involve significant nurse input.

Clinical Director in Paediatrics. Royal Group of Hospitals Trust. Oct 1989 to April 1995.

I was appointed the first clinical director in Paediatrics in 1989. This was when the Resource Management Initiative began and which developed into the Directorate Management system which is present today. My role involved setting up management systems in the Royal Belfast Hospital for Sick Children, as well as participating in the management of the Royal Group as a whole. The job was nominally 2 sessions per week, but actually took about 4 sessions per week. This was in addition to my clinical work, which was not reduced in any way.

PUBLICATIONS

1. Clarke P Baker P Boyd D Brown S and Crowe P. Febrile Convulsions. *Ulster Med J.* 36: 155-61. 1967.
2. Brown S. Orchidopexy Using a Dartos Pouch. *Ulster Med J.* 42: 192-4. 1973.
3. Brown S. The Treatment of Uncomplicated Gunshot Wounds. *Ulster Med J.* 43: 54-6 1974.
4. Mackinnon AE and Brown S. Skin Closure with Polyglycolic Acid (Dexon). *Postgrad Med J.* 54: 384-5 1978.
5. Brown S and Kerr-Wilson R. Intra-oral Duplication Cyst. *J Pediat Surg.* 13: 95-6. 1978.
6. Frank JD and Brown S. Thermometers and Rectal Perforations in the Neonate. *Arch Dis Child* 53: 824-5 1978.
7. Brown S and Mackinnon AE. The Scrotal Pouch Operation for Undescended Testis. *Ann R Coll Surg Engl.* 61: 377-80. 1979.
8. Potts SR Brown S and Smyth BT. Medical Treatment of Intestinal Aganglionosis (Letter) *Pediatrics* 72: 585. 1983.
9. Brown S and Nixon HH. Spontaneous Anastomosis of the Esophagus in Esophageal Atresia. *J Pediat Surg.* 18: 293-5 1983.
10. Brown S. Spontaneous Esophageal Anastomosis (Letter). *J Pediat Surg.* 19: 499. 1984.
11. Potts SR Brown S and O'Hara MD. Pancreoblastoma in a Neonate Associated with Beckwith-Weidermann Syndrome. *Z Kinderchir.* 41: 56-7 1986.
12. Danismend EN Brown S and Frank JD. Morbidity and Mortality in Duodenal Atresia. *Z Kinderchir.* 41: 86-8 1986.
13. Brown S. Beckwith-Weidermann Syndrome. *Arch Dis Child.* 61: 717. 1986.
14. Danismend EN Frank JD and Brown S. Morbidity and Mortality in Jejuno-ileal Atresia. *Z Kinderchir.* 42: 17-18. 1987.
15. Brown S. Treating Renal Calculi (Letter). *BMJ.* 297: 556. 1988.

16. Brown S. Open Versus Endoscopic Surgery in the Treatment of Vesico-ureteric Reflux. J Urol. 142: 499-500. 1989.
17. Weir CD and Brown S. Torsion of the Normal Fallopian Tube in a Premenarcheal Girl; a case report. J Pediat Surg. 25: 685-6. 1990.
18. Stewart RJ and Brown S. Unilateral Cryptorchidism; an animal model. Aust NZ J Surg. 60: 905-6. 1990.
19. Quinn FMJ Crockard AD and Brown S. Secondary Changes in the Scrotal Testis in Experimental Unilateral Cryptorchidism. J Pediat Surg. 25: 402-5 1990
20. Stewart RJ and Brown S. Fertility in Experimental Unilateral Cryptorchidism. J Pediat Surg. 25: 672-4 1990.
21. Stewart RJ Boyd Sheelagh Brown S and Toner PG. The Blood Testis Barrier in Experimental Unilateral Cryptorchidism. J Pathol. 160: 51-5 1990
22. Quinn FMJ Traynor G and Brown S. Haemangiopericytoma of the Stomach in a Neonate. J Pediat Surg. 26: 101-2. 1991.
23. Quinn FMJ Crockard AD and Brown S. Reversal of Degenerative Changes in the Scrotal Testis after Orchidopexy in Experimental Unilateral Cryptorchidism. J Pediat Surg. 26: 451-4 1991.
24. Brown S Stewart RJ O'Hara MD and Hill Claire. Histological Changes Following Teflon Injection in the Bladder. J Pediat Surg. 26: 546-7 1991.
25. Stewart Fiona Nevin NC and Brown S. Axial Mesodermal Dysplasia Spectrum. Am J Med Gen. 45: 426-9. 1993.
26. Misra D Hewitt G Potts SR Brown S and Boston VE. Inguinal Herniotomy in Young Infants, with Emphasis on Premature Neonates. J Pediat Surg. 29: 1496-8. 1994.
27. Misra D Hewitt G Potts SR Brown S and Boston VE. Transperitoneal Closure of the Internal Ring in Incarcerated Infantile Inguinal Hernia. J Pediat Surg. 30: 95-6. 1995.
28. Gallagher TM and Brown S. Spinal Anaesthesia. Paediatric Anaesthesia 6:82 1996
29. Kealey WDC McCallion WA Brown S Potts SR and Boston VE. Midgut Volvulus in Children. Br J Surg. 83: 105-6. 1996.
30. Misra D Potts Brown S and Boston VE. Endoscopic Treatment of Vesico-ureteric Reflux in Neuropathic Bladder -- 8 years experience. J Pediat Surg. 31: 1262-4. 1996.

31. Misra D Akhter A Potts SR Brown S Boston VE. Pyloric Stenosis: is over-reliance on ultrasound scans leading to negative explorations. Eur J Ped Surg. 7: 328-30 1997
32. Brown S Marshall D Patterson D Cunningham A-M. Chronic Pyelonephritis in Association with Neuropathic Bladder. Eur J Pediatr Surg. 9, Supp 1:29-30. 1999
33. Brown S Bailie A. Early Management of Meningomyelocele. Eur J Ped Surg 10 Supp 1. 40-41. 2000
34. Brown S Patterson D Marshall D. Acute Retention of Urine in Babies with meningomyelocele. Eur J ped Surg. 11. Supp 1. 40-41. 2001.

PRESENTATIONS.

(Only presentations to UK and International meetings are listed. There are, in addition, regular presentations to local societies such Society of Irish Paediatric Surgeons, Ulster Paediatric Society and Irish Paediatric Association, numbering a further 52 presentations)

1. Jejunum-ileal atresia. 26th International Congress British Association of Paediatric Surgeons Edinburgh 1979.
2. Duodenal Atresia. Annual Meeting Irish Perinatal Association. Dublin 1980.
3. Spontaneous Anastomosis of the Oesophagus in Oesophageal Atresias. 29th International Congress British Association of Paediatric Surgeons. Oxford 1982.
4. Cryptorchidism: An Animal Model. 33rd International Congress. British Association of Paediatric Surgeons (Poster Presentation) Birmingham 1986.
5. Sympathetic Orchioepithelia in Unilateral Cryptorchidism. 34th International Congress. British Association of Paediatric Surgeons Dublin 1987.
6. Open Versus Endoscopic Surgery in Vesico-ureteric Reflux. 57th Annual Congress. American Academy of Paediatrics, Section on Urology. San Francisco Ca. 1988
7. Reversal of Degenerative Changes in the Scrotal Testis after Orchidopexy in Experimental Unilateral Cryptorchidism. Annual Congress American Pediatric Surgical Association. Vancouver, Canada. 1990.
(Papers at APSA from overseas are by invitation only)
8. Histological Changes Following Teflon Injection in the Bladder. 37th International Congress British Association of Paediatric Surgeons. Glasgow 1990.
9. The Timing of Orchidopexy. 59th Annual Congress American Academy of Pediatrics, Section on Urology. Boston Mass. 1990.
10. Reversal of Changes on Both Testes after Orchidopexy in Experimental Unilateral Cryptorchidism. 59th Annual Congress. American Academy of Pediatrics, Section on Urology. Boston Mass. 1990.
11. Endoscopic Treatment of Vesico-ureteric Reflux: clinical and pathological outcomes. 1st Annual Conference, British Association of Urological Surgeons. Cambridge, England. 1993

12. Do Children with Neuropathic Bladder without Vesico-ureteric Reflux need Regular DMSA Scans? 45th Annual International Congress, British Association of Paediatric Surgeons, Bristol, England. 1998
13. Do Urodynamic Bladder Pressures Predict the Risk of Renal Scarring in Children with Neuropathic Bladder? 67th Annual International Congress American Academy of Pediatrics, Section on Urology. San Francisco, Ca. 1998.
14. Chronic Pyelonephritis in Children with Myelomeningocele. 23rd Annual Meeting, Society for Research into Hydrocephalus and Spina Bifida. Sheffield, England 1999
15. Caudal Epidural to Reduce Incarcerated Inguinal Hernia in Infants. 46th Annual International Congress, British Association of Paediatric Surgeons. Liverpool, England 1999.
16. Results of ACE Procedure (Poster Presentation) 46th Annual International Congress, British Association of Paediatric Surgeons. Liverpool, England. 1999.
17. Early management of Meningomyelocele. 24th Annual Meeting. Society for Research into Hydrocephalus and Spina Bifida. Atlanta, Ga. USA 2000
18. Optic Nerve Sheath Diameter in Acute Hydrocephalus. 25th Annual Meeting. Society for Research into Hydrocephalus and Spina Bifida. Uppsala, Sweden. 2001.
19. Acute Retention of Urine in Infants with Meningomyelocele. 25th Annual Meeting. Society for Research into Hydrocephalus and Spina Bifida. Uppsala, Sweden, 2001.
20. Clean Intermittent Catheterisation of the Neuropathic Bladder. How are they doing? 27th Annual Meeting, Society for Research into Hydrocephalus and Spina Bifida. Baltimore, Maryland, USA 2003
21. Upper Limb Function in Children with Spina Bifida. 28th Annual Meeting, Society for Research into Hydrocephalus and Spina Bifida. Dublin, Ireland 2004.

INVITED LECTURES

British Council Course in Paediatric Surgery. Institute of Child Health, Great Ormond Street, London 1978

Imaging in Paediatric Surgery. British Association of Paediatric Radiologists, Annual Conference, Belfast 1984

Stoma Management in Children. Conference on Incontinence, Dublin 1989

Neuropathic Bladder. Symposium on Enuresis and incontinence, Ulster Paediatric Society, 1990

Gareth Thomas Memorial Lecture. Paediatric Surgery National Training Week-end, 1992

Symposium on Intra-uterine Surgery in Spina Bifida. 24th Annual Meeting Society for Research into Hydrocephalus and Spina Bifida. Atlanta, Ga. USA 2000

RESEARCH

DHSS Grant of £5000 to investigate the Timing of Orchidopexy in an animal model

RBHSC Fellowship of £30,000 (R J Stewart) to develop a rat model for unilateral undescended testis

RBHSC Fellowship of £30,000 (FMJ Quinn) to investigate outcomes following experimental unilateral cryptorchidism in the animal model

Belfast Lord Mayor Charity Fund. £35,000 to develop the urodynamic service in RBHSC

RBHSC £4000 to employ a part time nurse to investigate the long term morbidity in open meningocele.

RBHSC £24,000 to employ a full time staff nurse to investigate the Relationship between Bladder Function and Vesico-ureteric Reflux in Infancy

OTHER ACTIVITIES.

Chairman of District Medical Advisory Committee and member of District Executive Team. East Belfast and Castlereagh District 1980-82.

Chairman of Control of Infection Sub-committee Royal Hospitals Medical Executive Committee.

Chairman of Medical Executive Committee Ulster Hospital Dundonald. 1984-86.

Member of Paediatric Advisory Sub-committee EHSSB 1983-94.

Member of Area Medical Advisory Committee EHSSB 1987-8

Clinical Director in Paediatrics, Royal Belfast Hospital for Sick Children, and member of Hospital Council Royal Group of Hospitals HSS Trust. 1989-95.

Hon Sec. Medical Staff Committee, Royal Belfast Hospital for Sick Children 1995-97

Chairman, Medical Staff Committee, Royal Belfast Hospital for Sick Children 1999-

Member, Royal Hospitals, Research Fellowship sub-committee 1997-1998

Convenor. Royal Belfast Hospital for Sick Children. Research Sub-committee 1999-

Executive Committee Member, Society for Research into Hydrocephalus and Spina Bifida

Publication Secretary, Society for Research into Hydrocephalus and Spina Bifida