

CURRICULUM VITAE

Dr Caroline Stewart

May 2013

QUALIFICATIONS:

Under Graduate: **MB, BCh, BAO** Queens University of Belfast, June 1990

Post Graduate: **MRCPI (Paediatrics)** Dublin, June 1995

DCH Glasgow, December 1992

Completion of Certified Specialist Training (CCST) in Paediatrics July 2001

MEMBERSHIPS:

Royal College of Paediatrics and Child Health

British Association of Community and Child Health (BACCH)

Ulster Paediatric Society

PROFESSIONAL EXPERIENCE:

Consultant in Paediatrics – appointment February 2002 to present Antrim Hospital, NHSC

I have been in post as a Consultant Paediatrician for 11 years, based in Antrim Hospital. I currently work part-time (7.5 PA's per week) and cover the consultant on call rota full time. There are currently 12 consultant paediatricians based in Antrim Hospital, providing care for acute inpatients, out patients and community based services. I cover the acute paediatric ward in rotation with my colleagues, taking responsibility for the acute admissions, attending emergency cases in A&E, covering acute child protection issues when required and neonatal emergencies out of hours.

I have completed my annual appraisal each year since taking this consultant post and have kept my CPD points up to date with over 50 credits each year. The RCPCH audited my CPD points during the year 2011. These are all tabulated on the RCPCH website. I regularly contribute to the teaching schedule for the paediatric team, undertake regular audits and present them at various meetings. I attend Radiology and Perinatal meetings in the Trust.

For over 2 years (2002- 2004) I was lead paediatrician in Antrim, taking responsibility for the consultant rota and general administration work among the consultants. During this period, I oversaw the changes in junior doctors working time and introduced the full shift system for both registrars and SHO's working in our department. Antrim Hospital was among the first paediatric units to move to full shift system, which is now standard in all other units regionally. I was also actively involved with the recruitment, training and introduction of a new tier of specialist nursing staff in the neonatal unit, replacing the junior medical staff. I audited the service before and after the changes with staff questionnaires and parent feedback, and presented this at Regional level.

I have been the Lead Consultant for Paediatric Diabetes in Antrim and over the last 11 years I have developed the paediatric diabetic service with a full compliment of multidisciplinary staff including specialist diabetic nurses, dietitians and clinical psychology, and chair regular team meetings. We have been trained in insulin pump management and achieved a Northern Ireland Healthcare Award in 2011 for excellence in this service. I have been involved in many diabetes audits locally, regionally and nationally. I have assisted with the introduction of the Regional Twinkle Diabetes web-based database to the Trust. I have developed Trust guidelines in the management of DKA for children and young people under 18 years, with particular emphasis to intravenous fluid management. I give regular training sessions to medical and nursing staff on the management of DKA and recognition of cerebral oedema in the Trust, and have been a guest speaker at national and international meetings on DKA management in children.

During my time as consultant, I have been regularly involved in educational supervision of junior medical staff, teaching medical students and training of Allied Health Professionals, including clinical supervisor for Pharmacist prescribing course. I am lead instructor for the *STABLE programme* in Antrim hospital and facilitate a course every year for doctors, midwives and neonatal nurses in the stabilisation and on-going care of sick or pre-term newborns. I regularly review ward based clinical paediatric guidelines and I chair bi-annual multi-disciplinary meetings in the paediatric ward.

Specialist Registrar Training

Specialist Registrar Hospital Paediatrics (Post CCST)

Cupar Street Clinic, RBHSC diabetic clinics and RMH Nursery on call

6 months, August 2001- February 2002

I had a 6 month attachment after my specialist training was completed working in a variety of settings to further enhance my sub-speciality interests in diabetes and neonatology. It gave me good experience of managing complex disability and child protection procedures, working with various multi-disciplinary teams and administration experience in organisation of clinics. I had teaching and training responsibilities for junior medical staff and medical students in developmental paediatrics.

On call commitment was a 1:8 rota, living on site, covering as neonatal registrar.

Specialist Registrar Hospital Paediatrics (SpR year 5)

Antrim Hospital

12 months, August 2000 - August 2001

This was my final full year of training and consolidated a lot of experience in general paediatrics and neonatology. I increased my interest in diabetes and undertook an audit project of DKA admissions over a 6 year period which I presented regionally and nationally. I had responsibility for a monthly registrar clinic and assisted at various sub-speciality clinics. I worked in community paediatrics and had a broad experience of many disciplines including medical assessments in special schools, child psychiatry, child behaviour clinics, complex paediatric orthopaedics and Autistic spectrum assessments.

On call commitment was a 1:5 rota, living on site, covering as paediatric registrar.

Specialist Registrar Hospital Paediatrics (SpR Year 4)

Royal Hospital for Sick Children: Paediatric Neurology

6 months, February 2000-August 2000

These six months of paediatric neurology gave me insight into a wide spectrum of childhood neurological disorders. I gained experience in the management of acute and chronic problems, complex disabilities and specialist investigations. In particular, I learned a lot about management of complex epilepsy and rehabilitation of children after severe head and spinal injuries. I participated in weekly multidisciplinary team meetings and neuro-radiology meetings. In day-case procedures, I learned the technique of needle muscle biopsy. During my attachment I commenced an audit project of current practice in EEGs, with the aim of improving the standard of EEG request forms and appropriateness of performing EEGs. I had one session each week in Child Psychiatry, attending the Child and Family clinic, and gained experience in the management of behavioural problems, psychosomatic symptoms and Autism/Asperger's spectrum.

On call commitment was a 1:8 Rota, living on site, as medical registrar covering whole Children's Hospital, including PICU and Emergency Department.

Regional Neonatal Unit, Royal Maternity Hospital: Neonatology

6 months, August 1999-February 2000

The wide experience gained in neonatology has enabled me to manage extreme prematurity, multiple births, congenital abnormalities and counselling parents of critically ill babies. I organised perinatal meetings, radiology meetings, chart audits, and assisted at the neuro-developmental follow-up clinic. I revised the locally used neonatal drug formulary and neonatal TPN guidelines that are now incorporated as standard practice in the unit. I also revised IV insulin infusion guidelines for use in neonates, which are still widely used across Trusts. In the BBC production on the Maternity Hospital in 2000, I gained media experience promoting the work of the neonatal unit during a number of TV interviews.

On call commitment was a 1:5 rota, living on site, covering as neonatal registrar.

Specialist Registrar Community Paediatrics (SpR year 3)

Cupar Street Clinic, N&W Belfast: Community Paediatrics

12 months, August 1998-August 1999

Community paediatrics in a socio-economically-deprived area gave me experience in a large multidisciplinary child development clinic; behaviour, asthma and enuresis community-based clinics. I attended many case conferences with social services, joined the school health team doing school medicals, statementing children with special needs and doing annual assessments of children with disability in mainstream schools. I was involved in instructing schoolteachers in basic life support and had regular sessions of teaching child development to medical students. I set up guidelines for dealing with childhood enuresis in clinics, along with the incontinence advisor and enuresis nurses. I assisted with Membership teaching (Slides & Grey Cases) for NICPDME in October 1998 (& also January 1999). I worked in the Child Care Centre, dealing with child sexual abuse in disclosure and investigative work. I learned how to deal with children and their families in therapy and rehabilitation, and had the experience of attending joint protocol interviews with the police.

On call commitment was a 1:5 Rota, living on site, covering Regional Neonatal unit in RMH and also covering Jubilee neonatal unit and Mater delivery suite for 12 months as Neonatal Registrar.

Specialist Registrar Hospital Paediatrics (SpR year 2)

Royal Hospital for Sick Children (Allen Ward): General Paediatrics and Cystic Fibrosis

6 months, February 1998-August 1998

This post gave me experience in general paediatric problems, as the responsible registrar in an acute admission unit. I ran a weekly paediatric registrar clinic, gained experience in the acute and chronic management of children with cystic fibrosis, and participated in multidisciplinary CF meetings and bacteriology meetings. I organised a weekly teaching meeting on the ward for medical and nursing staff. During this attachment, I organised the MRCP (Part Two) clinical exams in the hospital, revised guidelines for medical staff working at the children's diabetic camp, and was the senior doctor responsible for the summer camp (60 children with Type 1 Diabetes).

On call commitment was a 1:8 Rota, living on site, as medical registrar.

Royal Hospital for Sick Children : Paediatric Cardiology: Clarke Clinic

6 months, August 1997-February 1998

The regional paediatric cardiology unit gave me experience in the management of acute and chronic problems, post-operative care and specialist cardiac investigations. I attended several cardiac clinics each week, dealt with inpatient referrals for cardiology opinions, and tertiary referrals of new-borns with suspected congenital heart disease. I assisted at weekly paediatric cardiac catheterisations, giving the majority sedation and monitoring them throughout the procedure. I performed outpatient treadmill exercise testing, and gained some experience in echocardiography. During my attachment I conducted a study on complications associated with cardiac catheterisations. The findings of this study are now quoted by the consultant cardiologists in obtaining consent.

On call commitment was a 1:8 Rota, living on site, as medical registrar.

Specialist Registrar Hospital Paediatrics (SpR year 1)

Craigavon Hospital

12 months, August 1996-August 1997

The year in Craigavon enhanced my ability to deal with acute paediatric services and neonatal intensive care in a district general hospital. I was the responsible paediatric registrar and participated in general paediatric clinics and the outreach cardiology clinic. I organised weekly teaching sessions for the paediatric staff, and case note audits. I gained wide experience in the transfer of severely ill children and new-borns to specialist units. I revised the guidelines for diagnosis and management of urinary tract infections in the unit, and set up guidelines for managing Meningococcal infections with the bacteriology department. I covered the paediatric unit in Daisy Hill Hospital in Newry once a week.

On call commitment was a 1:4 Rota, living on site, as paediatric registrar.

Senior House Officer Training

Regional SHO Paediatrics,

Antrim Hospital

12 months, August 1995-August 1996

- Acute paediatrics and neonatology in a district general hospital.
- General paediatric, asthma and diabetic clinics, specialist neurology and genetic clinics.
- Community Paediatrics - school medicals, vaccinations and child development clinics.
- Audit of urinary tract infections, recommendations implemented into ward practices.

On call commitment - 1:5 Rota, covering Registrar on call for paediatrics and neonatology.

Temporary Lecturer /Registrar,

Royal Belfast Hospital for Sick Children

6 months, February 1995-August 1995:

- Paediatric Gastroenterology, Nephrology and Endocrinology in Musgrave Ward.
- General paediatric, renal and gastroenterology clinics.
- Inpatient management of acute diabetic problems.
- Responsibility for ward meetings and case note audits.

On call commitment - 1:6 Rota, as paediatric registrar.

2nd term Paediatric SHO

Royal Belfast Hospital for Sick Children (August 1993-February 1995)

3months in Paediatric Intensive Care

- Experience in dealing with severely ill and severely injured children.
- Practical skills in advanced resuscitation and intensive care management.
- Counselling parents and involvement with end of life care.

On call commitment - 1:5 rota covering PICU and speciality wards as 1st on call.

3months in Community Paediatrics

- Cupar Street Clinic: child development clinics and baby clinics (post-natal screening).
- School medicals and vaccinations.

On call commitment - 1:4 rota in Jubilee neonatal unit as 1st on call.

3months in Allen Ward (Cystic Fibrosis Unit)

- General paediatric and cystic fibrosis ward, working with multidisciplinary CF team.

On call commitment - 1:4 rota as 1st on call for medical and surgical wards.

3months in Paediatric Accident & Emergency

- Management of common surgical, medical and orthopaedic problems.

On call commitment - 1:4 partial shift rota in the A&E department as 1st on call.

3months in Child Psychiatry (Foster Green Hospital)

- Inpatient child psychiatry unit for behavioural, eating and psychosomatic problems.
- Experience of "Time out" teaching and working with clinical psychology.

On call commitment - 1:5 rota covering PICU and speciality wards as 1st on call.

3months in Neonatology (RMH)

- Management of common neonatal problems, and extreme prematurity.
- Use of ventilators and advanced practical skills.

On call commitment - 1:4 rota in the neonatal unit as 1st on call.

2nd term Paediatric SHO Ulster Hospital Dundonald: 12 months, August 1992-July 1993

- Acute paediatrics and neonatology in a district general hospital.
- First experience of working on a registrar rota.
- General paediatric clinics and specialist cardiology clinic.
- Pilot study of treatment of physiological jaundice in neonates, which was subsequently implemented in practice.

On call commitment - 1:4 rota covering paediatrics and neonatology as 2nd on call.

1st term Paediatric SHO Altnagelvin Hospital: 6 months, August 1991-February 1992

- Paediatric and Neonatal Unit in a district general hospital.
- General paediatric clinics, and outreach paediatric clinics in Omagh and Enniskillen.

On call commitment - 1:4 rota covering paediatrics and neonatology as 1st on call.

Medical SHO Erne Hospital, Enniskillen: 6 months, August 1991- February 1992

- General medicine, coronary care, geriatric and stroke unit, and small paediatric ward.
- Medical clinics, diabetic clinics, paediatric clinics and geriatric day hospital.
- Management of mobile coronary care unit.

On call commitment - 1:5 Rota, covering medical problems as 2nd on call.

Junior House Officer (Pre-Reg.) Erne Hospital, Enniskillen: 12 months, August 1990-August 1991

- General medicine, general surgery with intensive care, geriatrics and paediatrics.
- Assistance in theatre, and experience in appendectomies.
- Coagulation clinic.

On call - 1:3 Rota, 1st on call for medicine, paediatrics, geriatrics, surgery and ICU.

PUBLISHED PAPERS:

- ***“Complications of Paediatric Cardiac Catheterisations: A four-year survey from Belfast”***
C Stewart, C Mulholland, Clarke Clinic, Royal Belfast Hospital for Sick Children
(Published subsequently as a 10 year review of complications)
- ***“Neonatal Diabetes Mellitus – a case report”***
C Stewart, A Redmond, Royal Belfast Hospital for Sick Children
Ulster Medical Journal 2000; **69**:1-4.
- ***“A hungry baby fails to thrive”***
C Stewart, Royal Belfast Hospital for Sick Children
Self-assessment Question, accepted by *Postgraduate Medicine*, March 2000.
- ***“Sampling, Screening and Sorting Paediatric Urines:
A prospective study on diagnosis of Urinary Tract Infection”***
C Stewart, J Jenkins, P Boreland, Paediatric Department, Antrim Area Hospital.
Paediatrics Today 1999; **7** (3): 40-4.
- ***Letter to the Editor: “Screening for congenital heart disease”***
C.Stewart *Ambulatory Child Health* 1998; **3**: 423-424.
- ***“Does the current approach to screening for Congenital Heart Disease detect it?”***
C.Stewart, M.Stewart, B.Craig, C.Mulholland, Royal Belfast Hospital for Sick Children.
Ambulatory Child Health 1997; **3**: 115-120.

PRESENTATIONS: (up to final year of Registrar Training)

- ***"The significance of a sign, or a sign of significance?" Case presentation on Menke's Disease***
Presentation at RBHSC Clinical meeting, 1 May 2000
- ***"Paediatric Encoporesis"***
Presentation at Ulster BAACH meeting, Craigavon, June 1999
- ***"Complications of Paediatric Cardiac Catheterisations"***
Presentation at Ulster Paediatric Society, Cavan, 8 May 1999
- ***"Childhood Encoporesis – Cinderella of childhood disorders"***
Guest speaker at Association for Continence Advice, Regional Study Day NI, Antrim, 13 April 1999
- ***"Neonatal Diabetes Mellitus – a case report"***
Presentation at RBHSC Clinical meeting, 1 December 1998
- ***"Meningococcal Infections - Intensive Care Management"***
Speaker at Paediatric/A&E Symposium, Southern Health Board, 26 February 1997.
- ***"A wee solution to a wee wee problem". ** Awarded best presentation prize.***
Presentation at Junior Members Forum, Ulster Paediatric Society Belfast, 6 December 1996.
- ***"Paediatric Urine Audit"***
Presentation at Multidisciplinary Audit Health Board, Kells, 11 June 1996.
- ***"A Triad of Teratomas - Three neonatal case reports"***
Presentation at Ulster Paediatric Society and Royal Society of Medicine, Enniskillen, 6 May 1995.
- ***"Does the late presentation of Congenital Heart Disease affect outcome?"***
Poster presentation at Irish Paediatric Association, Dublin, 12 November 1994.
- ***"Does the late presentation of Congenital Heart Disease affect outcome?"***
Presentation at Ulster Paediatric Society, Portballintrae, 7 May 1994.
- ***"Audit of physiological jaundice in well term babies"***
Presentation at Paediatric meeting, Ulster Hospital Dundonald, March 1993.

AUDIT PROJECTS: (up to final year of Registrar Training)

Paediatric Diabetic Ketoacidosis 6 year review: Antrim Hospital, 2000-2001

Review of 6 years of admissions of children with diabetes to paediatric ward with emphasis on DKA admissions, presentation, severity, management and associated complications. Outcomes were followed and showed an increasing trend year on year with over 20% of patients with diabetes requiring admission for various reasons. This audit was subsequently used by the Trust to enhance the local services for children with diabetes.

Paediatric Electro-Encephalograms: Royal Belfast Hospital for Sick Children, May 2000

Audit of current practice in paediatric EEGs to determine the accuracy of how well EEG forms are completed, the appropriateness of the request, and the usefulness of the investigation in clinical practice. The aim is to implement changes recommended, with a view to improving the standard of the EEG request form and the understanding of clinical indications for requesting EEGs.

Paediatric Cardiac Catheterisations:

Clarke Clinic & Regional Cardiac Catheterisation Laboratory, RBHSC & RVH, 1998-1999

A review of the last 4 years of consecutive cardiac catheterisations (431) in RBHSC and audit of the associated complications, to determine the risk associated with various procedures and according to age. The results presented to the Paediatric Cardiology Unit are used to inform parents of the potential risks determined locally by the department, when giving consent for catheterisations.

Paediatric Urine Study: Antrim Hospital, 1996.

An audit of 300 paediatric urine samples, compared dipstick testing with laboratory results, and determined the best screening tool for UTI's. This was presented at a multidisciplinary hospital audit where new guidelines were recommended, and subsequently implemented in paediatric practice for in-patients and outpatients in Antrim Hospital. Published in 1997.

Neonatal physiological jaundice: Ulster Hospital, 1992-1993.

An audit of the duration and type (conventional lights versus 'bili-blanket') of phototherapy, measuring the rate of fall of bilirubin in healthy term babies, with physiological jaundice. The conclusion was to adapt clinical practice to the new regime of "The lighter touch". (Dodd et al, 1993).

COURSES: (up to final year of Registrar Training)

Faltering Growth Seminar, Dublin	28 March 2000
Child Sexual Abuse, Study day, Belfast	10 February 2000
Children's Liver Disease (Birmingham Liver Unit) Study day, Belfast	25 November 1999
Postgraduate Management Training Course, (NICPMDE)	April & May 1999
Symposium on Paediatric Gastroenterology and Feeding, Belfast	24 March 1999
Assessment of Children in Need, N&W Belfast	28 January 1999
Court Process, N&W Belfast	9-10 February 1999
Griffiths Child Development Course (5 days)	November 1998
Oral Presentation Skills, NIPIT meeting, Templepatrick	12 October 1998
Symposium on Infectious Disease and Immunisation, Belfast	18 March 1998
Advanced Paediatric Life Support Course, (APLS) Belfast	7-9 March 1997
Symposium on Meningococcal Disease, Belfast	25 October 1996

Courtroom Skills in Child Protection, Ballymena	<i>22-24 May 1996</i>
Symposium on Adolescent Health, Belfast	<i>6 March 1996</i>
MRCP Part II Paediatrics revision course, Dublin (1 week)	<i>May 1995</i>
Update on Paediatric Epilepsy, Belfast	<i>20 April 1995</i>
MRCP Part I Paediatrics Intensive revision course, London (1 week)	<i>January 1995</i>
Current trends in Neonatology, Royal Maternity Hospital, Belfast	<i>5&12 May 1994</i>
Child Abuse and Neglect: Multidisciplinary Social Services training	<i>8-9 December 1993</i>
Emergency Paediatric Life Support Course, (EPLS) Belfast	<i>November 1993</i>
Spina Bifida: A multidisciplinary approach (ASBAH) Belfast	<i>September 1993</i>
Intensive course in child health for DCH, Yorkhill, Glasgow (2 weeks)	<i>October 1992</i>
Information Technology Training, Enniskillen	<i>September 1991</i>