

Health Education England Midlands and East

Paediatric Dentistry Post-CCST Appointment for Specialty Training Job Description

Career development framework for a consultant appointment

September 2023

Aims of the Programme

The aim of the post is to provide candidates with further training in Paediatric Dentistry within the hospital and community setting, in order that they can successfully complete the fixed term training appointment culminating in the Intercollegiate Fellowship Examination in Paediatric Dentistry. The objectives and structure of this post will comply with Health Education West Midlands for the approval of training programmes for Post-CCST Training in Paediatric Dentistry.

The training programme is designed to provide structured teaching and supervised clinical experience. This will enable further development of a sound knowledge base and the clinical skills required for trainees to be able to deliver a high standard of care in Paediatric Dentistry.

The trainee should acquire the appropriate knowledge, skills, attitude and judgmental abilities to meet the oral health needs of infants, children and adolescents, including those with special needs.

During this additional training the specialty registrar will acquire new knowledge and skills and also greater depth of training and experience to build on the initial training that led to the CCST/placement on the specialist list in Paediatric Dentistry held by the General Dental Council. The training will provide and develop the appropriate management and research skills required to prepare the candidate for an NHS Consultant post.

Learning Outcomes

After successful completion of training, the trainee should:

1. Be competent to undertake diagnosis, treatment planning and treatment pertaining to the specialist care of infants, children and adolescents including those with special needs.
2. Be competent in the design, implementation and completion of a preventive dental programme for every type of paediatric dental patient.
3. Have a broad understanding of behavioural sciences relating to young patients and be competent and experienced in behaviour management techniques including sedation, local and general anaesthesia.
4. Be competent and experienced in the provision of restorative, prosthetic and interceptive orthodontic care for infants, children and adolescents including those with special needs.
5. Be competent and experienced in the care of oro-facial trauma in infants, children and adolescents.
6. Have knowledge of craniofacial growth and development and to be skilled in the diagnosis of problems of occlusion (including the temporomandibular joint) facial growth, and functional abnormalities.
7. Be trained in appropriate scientific methodology and research techniques and have carried out a research project of their own, under supervision, and prepared articles suitable for publication in internationally recognised and refereed journals.
8. Develop teaching, communication and management skills. Have an understanding of the NHS and Hospital Trusts.
9. Be conversant with clinical governance, including audit procedures and have kept personal patient records to facilitate this.
10. Have acquired the skills and knowledge to become both a competent clinician and an effective member of the profession, for their own advantage and for that of the specialty of Paediatric Dentistry. Have developed managerial and organisation skills in order to direct the dental team and participate in multidisciplinary teams.
11. Have developed relevant Information Technology skills.
12. Be prepared for the Intercollegiate Fellowship Examination for Paediatric Dentistry.

Programme Structure

The Training programme is based within Birmingham Community Health Care foundation trust with sessions at Birmingham Dental Hospital, Birmingham Children's Hospital and within the Birmingham and the surrounding local and regional Community Dental services.

Each clinical session is under the supervision of a named trainer and emphasis is given throughout the programme to the need to be exposed to a wide range of patients, clinical techniques and philosophies.

Clinic Timetables (appendix 1)

CONSULTANT AND SENIOR LECTURER STAFF

Paediatric Dentistry

Miss C Brown	Consultant BCHC Dental services Birmingham Dental Hospital
Mr S Gandhi	Consultant BCHC Dental services Birmingham Dental Hospital
Mrs A James	Consultant BCHC Dental services, Birmingham Dental Hospital Birmingham Children's Hospital
Mrs L Smart	Consultant BCHC Dental services Birmingham Dental Hospital Leicester Community Dental Services CIC
Dr S McDonald	Consultant BCHC Dental services Community Dental Services / Birmingham Dental Hospital
Mrs V Clark	Consultant Birmingham Children's Hospital
Mrs S McKaig	Consultant BCHC Dental services, Birmingham Dental Hospital Birmingham Children's Hospital
Miss Sophie Hughes	Consultant Worcester Community Dental Service

Mr Nabeel Ilyas BCHC Dental services
 Birmingham Dental Hospital

Academic staff

Mrs A Tanday Module lead, Consultant in Paediatric Dentistry

Miss A Raja Dental Tutor in Paediatric dentistry

Miss L Daly Clinical Lecturer in Paediatric Dentistry

Clinical Staff

Miss L Johnston Post CCST in Paediatric Dentistry

Miss C O'Reilly ACF in Paediatric Dentistry (Pre-CCST trainee)

Miss N Gallacher Specialist Registrar in Paediatric Dentistry (Pre-CCST trainee)

Miss F Loy Specialist Registrar in Paediatric Dentistry (Pre-CCST trainee)

Miss H McQuillan ACF in Paediatric Dentistry (Pre-CCST trainee)

Two DCTs in Paediatric Dentistry / Oral Maxillofacial Surgery Birmingham Children's Hospital

Three DCTs in Paediatric Dentistry Birmingham Dental Hospital

Paediatric Dental Services

1. The Dental Hospital

The Birmingham Dental Hospital is an undergraduate dental teaching hospital which shares a brand new purpose built accommodation with the School of Dentistry of the University of Birmingham which opened April 2016. It is sited in Edgbaston 3 miles from the city centre and Birmingham Children's Hospital. The Dental Hospital provides an out-patient and day case service with approximately 130,000 patient attendances per annum.

The department of Paediatric Dentistry cares for over 7,500 patients per year. These are mainly children who have been referred by General Dental and Medical Practitioners, the Personal Dental Service and by other Hospital Consultants. They have a wide range of problems, from dental trauma, caries and dental anomalies to difficulties with co-operation and other special needs.

All dental specialties are represented within the hospital building by consultant clinics and university teaching departments. Excellent liaison exists with clinical and laboratory departments associated with the main medical teaching hospitals elsewhere in Birmingham. A comprehensive range of investigative and report services is available either within or adjacent to the Dental Hospital. Office space and access to computer facilities is provided.

Birmingham Dental Hospital is part of the Dental Services Directorate within the Specialist Service Division of Birmingham Community Healthcare NHS Trust. Birmingham Community Healthcare NHS Trust is currently one of the largest healthcare providers in the country and incorporates significant provider elements both within Community and Specialist services (including Birmingham Dental Hospital). Following a period of autonomous operation it was awarded Foundation Trust Status as one of the first Community Foundation Trusts.

2. The Children's Hospital

The Birmingham Children's Hospital is situated in the city centre. It is a large multidisciplinary hospital it has approximately 300 beds and 10 operating theatres. It is a major trauma centre for the West Midlands and has a 20 bedded Intensive Care Unit. The paediatric dental and oral and maxillofacial department is situated in main outpatients it has 4 dental surgeries two with fixed inhalation sedation facilities

The paediatric dental specialist services provides dental care for children undergoing Bone Marrow Transplantation, Cardiology and Cardiac Surgery, Cochlear Implantation, Endocrinology, Gastroenterology, Haemophilia, Inherited Metabolic Diseases, Neonatal Surgery, Nephrology and Neurosurgery, Oncology, Ophthalmology, Oral and Maxillofacial Surgery and Plastic Surgery, the Regional Cleft Palate Unit, Respiratory Medicine and Rheumatology. The specialties receive tertiary referral from across the region and beyond. The hospital is also a Supra-Regional Centre for Craniofacial Surgery, Paediatric Liver Disease and Liver Transplantation and Epidermolysis Bullosa.

There is a weekly paediatric dental theatre list providing comprehensive dental care for patients. All anaesthetic services are provided by Consultant Paediatric Anaesthetists.

3. The Community Dental Service (CDS)

The CDS is part of BCHC NHS Foundation Trust and operates in 22 sites. Consultants work along side CDS dentists and dental therapists to provide specialist dentistry and to support the development of the wider workforce. The community clinics are located throughout Birmingham Sandwell, Dudley and Walsall. In addition, general anaesthetic services are provided at Manor Hospital Walsall and Sandwell General Hospital, West Bromwich.

The CDS and Dental Hospital have combined referrals to ensure children are seen in the most appropriate setting for their needs. The CDS also provides an on going care service for children who are medically compromised such that care cannot be accessed in the General Dental Service

4. The University of Birmingham School of Dentistry

The University of Birmingham has approximately 28,000 students from 150 countries the quality of the student experience offered at the University of Birmingham remains paramount importance. The University is one of the leading members of the Russell Group in terms of its graduate school and the quality of the student experience as shown by the National Student Survey. As well as high quality teaching, students also enjoy an enriched experience through other activities.

The College of Medical and Dental Sciences

The university's structure is one of the college and schools and the College of Medical and Dental Sciences contains five schools that cover a whole range of preclinical and clinical disciplines.

5. Shropshire Community Health NHS Trust

Shropshire Community Health NHS Trust provide paediatric dentistry services across three primary care sites in Oswestry, Shrewsbury and Telford, and within domiciliary settings.

General anaesthetic activity is provided within Shrewsbury and Telford Hospital NHS Trust (SATH) and Robert Jones and Agnes Hunt Orthopaedic hospital (RJAH). Care is provided via a chair dental unit for deciduous extractions, care for restoration and extraction of permanent teeth within RJAH, and comprehensive paediatric dental care for children with complex needs within SATH. Digital intraoral radiography is available intraoperatively within both SATH and RJAH.

All community dental service sites have access to Inhalational sedation, digital local anaesthetic delivery systems (the Wand) and Intravenous Sedation can be provided to patients aged 12 and above. All sites have access to either Adec or Belmont dental chairs, intraoral still and video cameras, digital radiography (including orthopantomograms) and cloud based record electronic patient records.

The community dental service has an Oral Health improvement service which provides programmes across Shropshire, Telford and Wrekin and Stoke and Staffordshire including "Brilliant Brushers", an evidence based toothbrushing programme for early years nursery and school settings. There is an established, well attended, Paediatric Dentistry Managed Clinical Network for Shropshire, Telford and Wrekin and Stoke and Staffordshire which has helped facilitated joint workstreams across the regions.

Explanation of Clinics on example Timetable below:-

1. Birmingham Dental Hospital

1.1 Consultant Clinics

A wide range of patients from all over the West Midlands and beyond are referred to this clinic. (The population of the catchment area is approximately 6 million). These patients include those with complex behavioural problems, dental anomalies, dento-alveolar trauma, advanced restorative problems and minor oral surgical procedures.

Examination treatment planning and appropriate treatment is undertaken on these clinics for a variety of patients with special needs. These include those with severe learning disabilities, Downs Syndrome, Cerebral Palsy.

1.2 Multi-Disciplinary Clinics

These are multi-disciplinary clinics involving Consultants in Paediatric Dentistry, Orthodontics and Restorative Dentistry. Only patients with severe hypodontia (or occasionally patients with Amelogenesis and Dentinogenesis Imperfecta who require both Orthodontic and Advanced Restorative treatment) are seen for diagnosis and treatment planning.

1.3 Trauma Clinics

These clinics are for the assessment and treatment of patients with complex dento-alveolar trauma. New patients are referred for the management of very complex problems and for patients who are undergoing treatment who are proving to have specific difficulties.

1.4 Day Stay Theatre List: Paediatric Special Needs

Treatment under general anaesthetic of patients with a range of behavioural and medical co morbidities. A full range of restorative and oral surgical procedures are undertaken.

1.5 Personal treatment sessions.

A full range of treatment is provided for children with specific problems. The use of sedative techniques such as inhalation sedation and oral sedation is employed.

2. Dental services in community setting (BCHC/Shropshire)

1.6 New Patient consultant clinics

Consultant led new patient clinics, referral directly made to local community service providing care within community setting

1.7 Personal Treatment sessions

A full range of treatment is provided for children with specific problems. The use of sedative techniques such as inhalation sedation is available.

3. Birmingham Children's Hospital

2.1 Consultant Out Patient Clinic

Severely medically compromised patients, with many tertiary referrals are seen on this clinic. These include oncology, hepatology, cardiology and transplant patients as well as some very rare genetic conditions. Both new and review patients are seen on these clinics.

A range of multidisciplinary clinics are established such as oral medicine clinic, Fanconi's anaemia, Papillion Lefevre and mandibular deformity clinics.

2.2 In Patient Theatre List

Any severely medically compromised child who needs a general anaesthetic is treated on this list. A full range of restorative and oral surgical procedures is undertaken.

2.3 Craniofacial Clinics

This is a supra-regional specialty clinic with input from Oral Maxillofacial, Plastic Surgery and Paediatric Neurology Consultants. Patients with craniofacial abnormalities are seen for diagnosis and treatment planning.

2.4 Cleft lip and Palate Clinics

The Children's Hospital is the Regional Cleft Lip and Palate Centre, with a Paediatric Dentist, Mrs Victoria Clark specifically assigned to the team. This was the first regional centre established and already has developed expertise in treatment and audit procedures.

2.5 Paediatric Out Patient Clinics

Experience in general paediatrics as well as access to other Paediatric Specialties as appropriate will also be undertaken on a rotating basis.

REQUIREMENTS FOR APPLICANTS

Candidates should have FDS, MFDS MJDF or equivalent. In addition, candidates should have completed a recognised training programme in Paediatric Dentistry to CSST level or equivalent have been awarded the MPaedDent or equivalent and be registered on the GDC specialist list in Paediatric Dentistry.

DUTIES

The post holder will have sessions within the Department of Paediatric Dentistry at Birmingham Dental Hospital, local and regional Community services. The candidate will also have access to other Dental Hospital departments and Dental Specialties and Oral and Maxillo-facial surgery Department at Birmingham Children's Hospital and the regional community trusts.

During the training programme the Post-CCST trainee will:

- (a) Work under the direction of Mrs Laura Smart who is the Training Programme Director.
- (b) Work under the direct and indirect supervision of those Consultants in Paediatric Dentistry who are involved in the training programme.
- (c) Undergo a coordinated training programme involving the diagnosis and treatment of patients, including those with learning, medical and physical disabilities.
- (d) Participate in diagnosis, treatment planning and review clinics run by Consultants in Paediatric Dentistry involved in the training programme, including joint clinics with other specialties.
- (e) Be encouraged to participate in research, publish and present papers or case reports, and will have the opportunity to obtain a higher degree.
- (f) Participate in journal club/study group meetings.
- (g) Be involved in the supervision of junior members of staff and contribute to the training of undergraduates, dental therapists and hygienists, dental surgery assistants and dental technicians.
- (h) Gain experience in administration and management aspects of running a department and participate in the formal audit activities of the departments at both Birmingham Dental Hospital and Birmingham Children's Hospital.
- (i) Become familiar with dental technology, with particular emphasis on laboratory techniques and the liaison between the clinician and the technician.

Timetables will be modified according to candidates previous experience and development needs, it is likely to include experience across all BDH, BCHC community sites, Community sites across the Midlands region and BCH.

Appendix 1

Example of draft timetable

Period 1(DatesYEAR 1)

		Monday	Tuesday	Wednesday	Thursday	Friday
Am	Activity*	New patient clinic	Treatment Session D	New patient clinic	New patient clinic/oral medicine clinic	Trauma Clinic Support for GA services within CDS
	Trainer	SMcD	CB/SG	NIL	VC	LS
	Location	Attwood Green	BDH	Shropshire CDS	BCH	BDH
Pm	Activity*	Study session	Teaching Undergraduate session	Treatment session	Theatre GA list	Supporting activity/ Admin/ Clinic support
	Trainer	SMcD	KC	NIL	SMcK/VC	
	Location	Attwood Green	BDH	Shropshire	BCH	

Period 2 (DatesYEAR 2.....)

		Monday	Tuesday	Wednesday	Thursday	Friday
Am	Activity*	New patient clinic	New patient clinic	Theatre session/ Treatment session	Multidisciplinary clinics Hypodontia/mixed dentition/ Triple clinics	Supporting activity
	Trainer	SMcK	NIL	SMcK	CB/SMcK/SG	CB
	Location	BCH	Shropshire CDS	BDH	BDH	BDH
Pm	Activity*	Supporting activity	Treatment session	Study session	Undergraduate Teaching	Treatment session

						D
	Trainer	SMcK	NIL	SMcK	Mr Gandhi	Mr Gandhi
	Location	BCH	Shropshire CDS	BDH	BDH	BDH

NB

Timetable proposal is only draft

It is recognised that changes may occur during training dependent on a trainee's individual needs and for other operational reasons