

## Orthodontic Training Programme Job Description

### Post Details

<b>HEE Office:</b>	Health Education South West Postgraduate Dental Deanery
<b>Job Title:</b>	ST1 in Orthodontics
<b>Person Specification:</b>	NRO to complete
<b>Hours of work &amp; nature of Contract:</b>	Full time Speciality Training
<b>Main training site:</b>	Bristol Dental Hospital
<b>Other training site(s):</b>	Royal United Hospitals, Bath

### Organisational Arrangements

<b>Training Programme Director (TPD):</b>	Dr Julie C Williams
<b>TPD contact details:</b>	Bristol Dental Hospital Lower Maudlin Street Bristol Julie.Williams3@UHBristol.nhs.uk

<b>University:</b>	University of Bristol						
<b>Degree awarded:</b>	DDS						
<b>Time commitment:</b>	Full time						
<b>University base fee 2020/21:</b>		<b>What will I pay in 1<sup>st</sup> year?</b>	£9500	<b>What will I pay in 2<sup>nd</sup> year?</b>	£9500	<b>What will I pay in 3<sup>rd</sup> year?</b>	£9500
<b>Bench fees</b>			£2500		£2500		£2500

## Training Details

### Clinical

The training will include orthodontic diagnosis and treatment, involving the full range of fixed, functional and removable appliances. It will also include joint planning of osteotomy patients with the Oral and Maxillofacial Surgeons and Restorative patients with Restorative Consultants. The Speciality Registrars will attend the Orthodontic Department at the Royal United Hospitals NHS Foundation Trust, Bath in order to gain Regional experience.

## Duties and Responsibilities of post-holder

### Location of Duties

The University of Bristol Dental Hospital and School will be the base hospital for this post with attendance at Royal United Hospitals NHS Foundation Trust, Bath for 2 sessions per week. Occasional visits to other units in the specialty will be encouraged to improve and broaden experience.

### Duties and responsibilities:

#### a) Clinical

The StR will have a personal caseload of IOTN 3, 4 and 5 malocclusions. They will have the opportunity to correct malocclusions using a range of fixed and functional appliances. In addition they will have exposure to new patient clinics and will be exposed to the management of more complex orthodontic cases.

#### b) Teaching

There is an expectation that the trainee will enroll on the DDS Orthodontic programme at the University of Bristol. There will also be an opportunity to teach undergraduate dental students, and to support the training of other members of the dental team including student dental nurses and orthodontic therapists

#### c) Study/Research

Study and examination leave allowance are as stated in the Terms and Conditions of Service. Facilities for research are available for approved projects and research is actively supported.

#### d) Administrative

The routine administrative content of this post is allowed for in the timetable.

#### Audit

The StR will be expected to actively participate in local audit within the Trust. The trainee will participate in relevant national clinical audits and attend regional and local audit meetings as appropriate.

**Description of main training site****Bristol**

Situated in the heart of Bristol, UH Bristol is a large city centre Teaching Trust employing over 7000 staff, with annual revenue of nearly £400 million and with a total of 1156 beds throughout the Trust. We are one of the largest employers in Bristol and provide a wide range of in-patient, out-patient and day-care services to the local population within Bristol, as well as being the biggest specialist referral centre for the South West England.

The University of Bristol Dental Hospital (BDH) and the Bristol Royal Infirmary are the major centres for specialty training in the South Western Deanery, providing a specialist and emergency service. BDH has approximately 95,000 patient attendances per annum and has an excellent national and international reputation for patient care, scholarship and research.

Academics work in close association with NHS colleagues and share joint management procedures. BDH is adjacent to the Bristol Royal Infirmary (BRI), a major tertiary referral centre, where all investigative, medical and surgical facilities are present within the complex. There is a designated Children's Hospital within the Bristol Royal Infirmary complex. 2013 saw the centralisation of the Head and Neck services to UH Bristol.

Within BDH, this included oral and maxillofacial surgery and orthodontics. The South West cleft services transferred to the dental hospital in the summer 2014. Research in basic sciences and clinical research are now well established as part of the Research base in Bristol Dental School. At the last Research Assessment Exercise, the School was rated 5\* a score which was achieved by only one other Dental School in the UK.

The Department of Child Dental Health was refurbished in 2006-7. There are 34 chairs with 10 orthodontic postgraduate and staff chairs in an open plan clinic. The Orthodontic Department is part of the Department of Child Dental Health and has two main functions: first, the teaching of postgraduate students on a three-year longitudinal course and second, the treatment of child and adult orthodontic patients.

There are chairside computers and with model storage within the unit. Radiographic facilities are provided by an on-site X-ray department which includes CBCT facilities. Digital radiographs are stored and accessed through Trust computers with additional ability to analyse lateral cephalograms (OPAL system). In Bristol the department is equipped for digital photography with two complete Nikon D50 cameras. However, many registrars prefer to use their own cameras with image archiving through the department and images stored on the Trust server.

There is a modern and well-equipped Maxillofacial and Orthodontic Laboratory with 5 orthodontic technicians providing the full range of fixed, functional and removable appliances.

There is a well-equipped StR teaching and office space within the department. Staff in the unit play an active role in training and teaching locally, regionally and nationally. In addition to other StRs and DCTs we have several orthodontic therapists, undergraduate dental students and student dental nurses.

**Library Facilities**

Specialty library is housed within the University of Bristol Medical Library (10 minutes' walk from Bristol Dental School) with a wide range of relevant journals. The UBHT Learning Resource Centre is in the neighbouring Medical Education Centre and there is a medical library in the Bristol Royal Infirmary.

**Transport in Bristol**

The inter city and county bus terminus is very near and other city bus routes pass within a couple of minutes' walking distance. There are two railway stations (Temple Meads and Parkway). Trains to London take approximately 1½ hours. The airport is about 9 miles away.

**Description of second training site****Bath**

The Royal United Hospitals Bath is a District General Hospital serving the old Bath Health District (including parts of Wiltshire, Avon and Somerset), which has a population of just under 500,000 and therefore provides all the acute services of a District General Hospital.

Bath is a university town, and the hospital maintains close links with the University of Bath and the Bath Institute of Medical Engineering (BIME). The new Oral- Maxillo-facial and Orthodontic department was opened in April 2019 with a six-chair open plan clinic.

The new department has its own CBCT machine as well as new Ceph and DPT units. All patient records are stored digitally. All study models are stored digitally using the 3 Shape and Ortho Analyzer Programmes. The department is also equipped with intra- oral scanners and a 3D printer. The on-site postgraduate centre has excellent library and IT facilities.

The departmental team comprises of two orthodontic consultants, two oral and maxillofacial consultants, 2 ST4-ST5 training grades and an orthodontic therapist.

The department has a good working relationship with Oral and Maxillofacial Surgery and the Community Dental Services. There are also three DWSIs working in the orthodontic department throughout the week.

**Staff involved in training:**

Name	Job Title	Site	Role
Miss N Atack	Orthodontic Consultant	BDH	Clinical supervisor
Mr C Day	Orthodontic Consultant	BDH	Clinical supervisor
Mrs K House	Orthodontic Consultant	BDH	Clinical supervisor
Mr S Deacon	Orthodontic Consultant and Lead Cleft Orthodontist	BDH	Clinical supervisor
Dr C McNamara	Orthodontic Consultant	BDH	Clinical supervisor
Prof A Ireland	Orthodontic Consultant	BDH/Bath	Clinical supervisor
Dr T Jones	Orthodontic Consultant	BDH and Weston-super-Mare	Clinical supervisor
Dr F Parvizi	Orthodontic Consultant	Bath/BDH	Clinical supervisor
Dr J Williams	Orthodontic Consultant	BDH and South Bristol	Clinical supervisor and Training Programme Director
Dr R John	Paediatric Consultant	BDH	Clinical supervisor
Dr S Dewhurst	Paediatric Consultant	BDH	Clinical supervisor
Dr A Hollis	Paediatric Consultant	BDH	Clinical supervisor
Dr R Power	Paediatric Consultant	BDH	Clinical supervisor

Indicative timetable (details are subject to change)

Week 1

	Mon	Tue	Wed	Thu	Fri
AM	Research New Patient Clinic 1/5 (Dr Atack) Restorative Clinic 1/12 (Year 3)	Patient Treatment (Dr Atack)	Patient Treatment (Dr Jones) New Patient Clinic 1/4 (Dr House)	Patient Treatment (Dr Parvizi) <b>Bath</b>	Bristol Academic Day New Patient Clinic 1/5 BDH (Mr Day) Year 2 New Patient Clinic 1/5 (Prof Ireland <b>Bath</b> ) Year 3
PM	Research	Patient Treatment (Dr Williams)	Patient Treatment (Dr House)	Patient Treatment (Prof Ireland) <b>Bath</b>	Academic Day Orthognathic Clinic 1/6 (Year 3)

**Terms and Conditions****General**

The post is covered by the Terms and Conditions of Service of Hospital Medical and Dental Staff.

**Study Leave**

As per HEE study leave policy - <http://www.dental.southwest.hee.nhs.uk/about-us/study-leave/>

**Annual Leave**

The post is covered by the Terms and Conditions of Service of Hospital Medical and Dental Staff.

**Other information****Syllabus Outline:**

In addition to chairside supervision and teaching, the academic programme is delivered via lecture presentations, online modules (VLE), practical sessions, group work, case presentations, regular journal clubs and assignments. The programme will cover the key areas as highlighted in the GDC approved curriculum published in September 2010:

1. Cell & Molecular Biology
2. Embryology/Growth of face and jaws
3. Psychology
4. Research and IT
5. Imaging
6. Oral Health
7. Dental Health Education
8. Health and Safety
9. Clinical Governance
10. Development of the dentition
11. TMD
12. Tooth Movement/ Facial orthopaedics
13. Orthodontic materials and biomechanics
14. Aetiology of malocclusion
15. Airway, craniofacial development
16. Diagnostic procedures
17. Treatment planning
18. Growth and treatment analysis / cephalometrics
19. Long term effects
20. Iatrogenic effects
21. Epidemiology
22. Ortho literature and Research
23. Removable appliances
24. Functional appliances
25. Extra oral appliances
26. Fixed appliances
27. Retention

28. Guiding the developing occlusion
29. Adult orthodontics
30. Orthodontics and MOS
31. Orthodontics and Restorative
32. Overview of management of facial deformity
33. Management
34. Teaching and communication

As part of the curriculum, assessments will be used to assess key competencies with work based assessments (WBA) throughout the three year period. This will include Direct Observation Procedures (DOPS), Case Based Discussions (CBD) and Multi Source Feedback (MSF) during the training period.