Orthodontic Services

Head and Neck Division
Surgical Directorate

Management Structure

Division Director of Surgery - Richard Jee
Divisional Manager for Surgery - Sophie Jordan
Clinical Director Head & Neck - Hugh Bellis
Service Manager Head & Neck - Ben Leigh
Operational Manager Head & Neck - Caroline Goffe
Lead Clinician for Orthodontic Services - Hugh Bellis

Service Specification

A comprehensive consultation service is provided offering a full diagnostic and case assessment facility for all referrals.

In addition, advice, support and where needed a full treatment planning service is offered for those patients suitable for treatment by the General Dental Practitioners with a special interest in orthodontics (DWSI). A follow-up advisory service is provided for these patients where necessary.

Treatment is undertaken within the Orthodontic Department primarily for those cases which fall into the complex and multidisciplinary spectrum.

All types of appliances are utilised including functional, fixed and removable appliances according to case need.

The index of treatment need is used to prioritise patients for treatment within the department with only those patients falling within the IOTN categories 4 and 5 being accepted for treatment. In addition, only multi-disciplinary adult cases are accepted for treatment.

A comprehensive range of malocclusions are treated, including cleft lip and palate and orthognathic surgical patients.
Joint consultation clinics are held with the Oral & Maxillofacial Team on a monthly basis. Professor Ilankovan and his team offer an excellent service to our patients in West Dorset.

The 'Spires' Cleft Team provide the centralized cleft lip and palate service based in Salisbury with local support from the appropriate local services. Where possible, orthodontic services are provided locally.

**Description of Department**

The Orthodontic Department is located in the East Wing of Dorset County Hospital, Williams Avenue, Dorchester.

The Department offers 5 dental surgeries with all the latest equipment. A central sterilization system is used by the Department.

Other facilities include a fully staffed Orthodontic Laboratory as well as model store and computer tracing room.

Oral & Maxillofacial Surgery services are provided by Professor Ilankovan and his staff on a satellite basis with Poole NHS Trust providing the base. All aspects of Oral & Maxillofacial Surgery services are provided.

**Departmental Opening Times**

Monday to Friday

8.30 am – 5.00 pm
Staffing

Full-time consultants:
Mr Hugh Bellis - BDS, MScD, (Wales); DD Orth: (Glas); FDS RCPS (Glas); D Orth (Edin); M Orth (Eng)
Mrs Pamela Ellis - BDS (Hons)(Edin); FDS; MOrth, FDS (Orth)RCS (Edin); MSc (Manc)
Mrs C Furness - BDS (Brist), MJDF (Eng); MSc (Lond); MOrth, FDS(Orth) (Edin)

Part-time consultants:
Mrs Rebecca Bradley - BSc, BDS (Hons) Belf; MFDSRCPS, MOrth, FDS (Orth) RCS Edin, DDS (Bris)
(Wednesday)

Hospital Specialty Dr: - Mrs Katherine Rowland
Mrs Carmel O’Kane
Mr A Simmons

St4 - Mrs E Graham

Dental Hygienist - Mrs Elaine Allford

Orthodontic Laboratory
Manager - Ms Georgina Carley
Orthodontic Technicians: Miss Kelly Tuplin
Miss Marta Rowbern
Vacancy

Oral Health Educator - Mrs Tracey Drage

Dental Nurses - Mrs Lin Stead
- Mrs Heather Moynehan
- Mrs Tracey Drage
- Mrs Gemma King
- Mrs Kelly Joyce
- Mrs Hanna Hart

Bank Dental Nurses - Mrs Z Terry
Mrs H Nugent
Mrs L Parker
Mrs P Bull

Orthodontic Administrator - Miss Hazel Donoghue
Support Medical Secretary - Miss Victoria Rehbein

Receptionists / Admin Support - Mrs Karen Tompkins
Mrs Laura Elliott
Vacancy
Facilities

The Orthodontic Department is located on the ground floor, East Wing (Entrance 3), Dorset County Hospital Foundation Trust. The facilities incorporate five dental surgeries, an Orthodontic Laboratory, a waiting room for patients, and offices for consultants and secretaries.

Support Services

Radiography Department

A full radiography service is available in the adjacent department for all new consultations and, when necessary, for review appointments.

Maxillofacial Department

Professor Ilankovan, Consultant Maxillofacial Surgeon, is the lead provider of the Maxillofacial services from the neighboring Poole Hospitals Trust undertaking outpatient clinics, day surgery, and in-patient sessions here in West Dorset.

Department of Special Care Dentistry

This service is provided by Somerset Partnership NHS Trust (SOMPAR). Mrs Lorna Hollingsworth is the local lead for this service. This department is based in North Wing, Dorset County Hospital. A close working relationship is provided.

Restorative Services

Patients are referred to the Bristol Dental Hospital, for restorative opinions and some treatments.

REFERRAL GUIDLINES

A complete range of malocclusions are accepted in the department for advice and/or treatment. Patients are generally in the 10 – 14 age range, but patients of all ages will be seen on request. The referral form/letter should give relevant clinical details including the IOTN score, the dentists and patients concerns, any previous orthodontic treatment, full patient demographic details including the patients date of birth, the name of the family doctor, and the patient NHS number if known.
Some conditions necessitating an earlier referral are indicated below:

1. Unerupted incisors, abnormalities of incisor morphology (size, shape and number).
2. Anterior crossbites.
3. Significant buccal cross bites (with a mandibular displacement).
4. Absent permanent teeth.
5. Severe Class II malocclusions.
6. Craniofacial abnormalities such as a cleft lip and palate deformities.
7. Severe incisor crowding.
8. Submerging deciduous teeth.
9. Lack of palpation of the unerupted upper canines, particularly in association with lack of mobility of the deciduous canines at the age of 9 – 10, warrants further investigation.
10. Impacted first molars.

The Hospital Orthodontic Services provides:

i. A diagnosis service for all referrals from General Dental practitioners, Special Care Dentistry, General Medical Practitioners and Hospital Services.

ii. Second opinions

iii. Treatment of severe malocclusion:
   a) Gross skeletal problems requiring orthognathic surgery.
   b) Cleft lip and palate, and other congenital anomalies.
   c) Hypodontia with MULTIPLE missing teeth. All cases will require restorative support as an adjunct to orthodontic treatment. Advice will be sought from a Consultant in Restorative Dentistry (this may be at the Bristol Dental School) BUT the restorative aspect of the treatment plan may not be provided within the Hospital service.
   d) The management of impacted teeth.

vi. Treatment of medically compromised patients, and those with special needs.

Adult Treatment

Acceptance of adult patients is limited to those possessing severe skeletal problems requiring multi-disciplinary treatment. Routine adult treatment is not undertaken in either the Hospital or Specialist Practice.
Index Of Orthodontic Treatment Need

The index of Orthodontic treatment need (IOTN) is used within the hospital department as a sieve for conditions requiring treatment. Patients in categories 1 and 2, as well as 3 aesthetic index 1 to 5 will derive no clinical benefit from orthodontic treatment, whilst those in groups 4 and 5 will. The Orthodontic Department is limited by NHS England to accept only cases falling into the categories 4 and 5.

Those patients who fall into the IOTN category 3 aesthetic score 6 to 10 are able to have NHS orthodontics but treatment will be provided by a Specialist Practitioner or a Dentist with a Special Interest in Orthodontics.

It is important to discuss the perceived problem with the patient and or/parent to ascertain their views and likely compliance with orthodontic treatment and to ensure that the desire for treatment and their oral hygiene is of a satisfactory standard. If the latter is not satisfactory (and is not likely to be) this should be mentioned in the referral letter, as it will have a bearing on which treatment option will best suit the patient.

**FOLLOW-UP AND DISCHARGE ARRANGEMENTS**

A letter is sent to the referring Practitioner after the first consultation visit and, if appropriate, when patients are seen for review and also when discharged from the department.

**QUALITY ASSURANCE**

Clinical Audit is undertaken within the Department in accordance with the recommendations of the Regional Orthodontic Audit Committee and Royal College of Surgeons.
Patient Assessment using IOTN (Index of Treatment Need)

Basic Pathway of Care

1. Appointment for a New Consultation.
3. Appointment for planning of treatment and consent to treatment.
4. Appointment for treatment start.
   - May be on long single appointment.
   - May be a combination of 1, 2, or 3 appointments over a number of weeks.
5. Patient seen for follow up appointments at 4-8 week intervals for approximately 18 months to 2 years.
6. On completion of treatment patient seen for two appointments on the same day.
   1. To take the brace off.
   2. To fit retainers.
3. Appointment for a review 3 months post treatment.
4. Appointment for a review 9 months post treatment and discharged if appropriate.

More complex cases are:

- Orthognathic patients
- Patients with Hypodontia
- Cleft Lip & Palate patients
- Patients with impacted teeth
- Patients with complex medical conditions
- Patients with complex learning and physical disabilities
Orthodontic Consultation
Assessed by IOTN 1 – 5
(Accept only 4 & 5)

Back to GDP
to be referred
at appropriate time

Discharge back to GDP

Too early to treat

Not appropriate for
Orthodontic treatment

Placed on review
in Orthodontic Department

Referral to Mrs K Rowland
Specialist Practitioner

If IOTN 3

Back to Dentist with a
Special Interest (DWSI)

Accept for treatment

Records & Oral Health Instruction

Plan & Consent

Orthognathic Clinic

GDP Extraction

Referral to Max Fac for
- Surgical Exposure
- Surgical Extraction
- Pathology

Referral to Bristol
For Restorative opinion

Start Treatment