Directorate of Multi-Disciplinary Dental Education

DENTAL CORE TRAINING

MFDS / MJDF Preparation Course

LECTURE SERIES PROGRAMME 2019 – 2020
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Training

During their DF training potential DCT1 trainees would benefit from attending every Study Event which is normally held at Bourne House, Durham. Every FD in the Health Education England North East region (HEE NE) is able to apply to attend this exam preparation course, subject to the agreement of their TPD and the Regional Advisor.

The DCT1 trainee will participate in appropriate study days accordingly to the needs identified in their Personal Development Plan (PDP) and any mandatory training required by the Trusts. This will comprise induction training and in addition may include Health and Safety, CPR, radiology safety, or use of IT. Study leave may be granted as appropriate for these activities.

Appraisals will be carried out by Educational Supervisors trained in appraisals and mentoring. Educational Supervisors are experienced Community Dental Service (CDS) dentists and the whole training package will be backed up by specialists in paediatric dentistry, oral surgery and hospital dentists and special care dentistry.

The trainee will have a named Educational Supervisor (ES) for the duration of each post within the training programme, and will be responsible to that ES, and accountable to the Postgraduate Dental Dean as set out in the Educational Agreement.

The trainee will maintain and complete an electronic educational portfolio in the format approved by Health Education North East Office (HEE NE) and will submit this portfolio for inspection during the final month of the programme.

MJDF / MFDS

Introduction

The MJDF/MFDS assessments aim to recognise the successful acquisition of knowledge and skills after completion of the foundation training and the DCT1 programme, or its equivalent for all dental graduates to the standard required to proceed into specialist training.

Formed from the previously disparate MFDS and MFGDP examinations, they are being designed to enable reciprocity between the Colleges and will not require specific approved training posts to have been completed.

To that end, part 1 of the examination offered by each faculty may be taken during the first year after graduation, and part 2 during the second year. To be eligible for the award of the Diploma, all candidates must complete 24 months of satisfactory postgraduate experience.

There are some differences in the assessment format between each faculty. The assessments offered by the Faculty of General Dental Practice (UK) and the Faculty of Dental Surgery of The Royal College of Surgeons of England (known as Diploma of Membership of the Joint Dental Faculties [MJDF RCS Eng]) will consist of:

- Part 1 in the form of one written paper containing multiple choice questions (MCQs) in the form of extending matching questions (EMQ) and single best answer (SBA)
- Part 2 in the form of an objective structured clinical examination (OSCE) and structured clinical reasoning (SCR) exercise.
The MJDF website, [http://www.mjdf.org.uk/mjdf-examination](http://www.mjdf.org.uk/mjdf-examination) provides comprehensive information for prospective candidates:

- Details on the MJDF structure
- MJDF exam dates and revision days
- Specimen questions and exam resource list
- Information for candidates, exam Regulations and FAQs.

For the assessments offered by the dental faculties of the Royal College of Surgeons of Edinburgh, The Royal College of Physicians and Surgeons of Glasgow, and the Royal College of Surgeons in Ireland (known as MFDS):

- Part 1 will consist of two written papers with a variety of question styles including MCQs, multiple short answer questions and extended matching questions.
- Part 2 will consist of an OSCE, with an additional viva in Ireland.

The Royal College of Surgeons of Edinburgh and The Royal College of Physicians and Surgeons of Glasgow have decided to work together and have produced a single set of Regulations ([http://www.rcsed.ac.uk/site/698/default.aspx](http://www.rcsed.ac.uk/site/698/default.aspx)).

**The Curriculum**

The curriculum for MFDS / MJDF is defined by the Royal College of Surgeons England (MJDF) and jointly by the Royal College of Surgeons of Edinburgh, The Royal College of Physicians and Surgeons of Glasgow (MFDS).

**Preparation**

It is important to remember that MFDS/MJDF is not a specialist examination and that the level of knowledge expected in any area will not exceed that which would be expected of a dentist who has two years’ experience of clinical dental practice.

Practical clinical training during a period of Dental Foundation training and DCT1 or its equivalent is the essential element in preparation for the MFDS/MJDF examination.

In HEE NE clinical training is supplemented by an MFDS/MJDF Study evening programme. This is designed to assist with preparation for the examination and every encouragement and support is offered to trainees who wish to obtain this Diploma.

**Funding for MFDS/MJDF preparation**

Trainees are expected to pay their own examination fees to enter the two parts of the MFDS/MJDF examination. Examination fees cannot be reclaimed from the Study Leave budget. Candidates may apply to the Study Leave budget for funding towards travel and subsistence for the examinations. Arrangements for study leave differ in the OMFS and CDS rotations, as described in this handbook.

**Health Education England North East Office MFDS/MJDF Study Day Programme**
The Study Programme is designed to introduce key concepts. It does not cover the whole syllabus in detail.

The main study evening and Saturday programme set out over the following pages takes place during the DF year prior to starting DCT1 in preparation for Part 1 MFDS/MJDF. During the DCT1 year in October a mock OSCE is currently offered to assist with preparation for Part 2 MFDS/MJDF.
<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Topic</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Thursday 21 November</td>
<td>Medical Emergencies</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>2</td>
<td>Saturday 30 November</td>
<td>Traumatic Injuries to Teeth</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Paediatric Dentistry</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Critical reading In Dentistry</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>5</td>
<td>Thursday 5 December</td>
<td>Conscious Sedation</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>6</td>
<td>Thursday 12 December</td>
<td>Pharmacology</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>7</td>
<td>Thursday 9 January</td>
<td>Local Anaesthesia</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>8</td>
<td>Thursday 16 January</td>
<td>Hard &amp; Soft Tissue Surgery</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>9</td>
<td>Thursday 23 January</td>
<td>MFDS Revision</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>10</td>
<td>Thursday 30 January</td>
<td>Max Fax Trauma</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>11</td>
<td>Thursday 6 February</td>
<td>Complete &amp; Partial Denture Design</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>12</td>
<td>Thursday 27 February</td>
<td>Contemporary Endo &amp; Troubleshooting</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Non-Surgical Management of Periodontal Disease</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>14</td>
<td>Saturday 7 March</td>
<td>Oral Pathology: Diseases of the Oral Mucosa</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Craniofacial and tooth Development</td>
<td>Bourne House, Belmont</td>
</tr>
<tr>
<td>16</td>
<td>Thursday 12 March</td>
<td>Radiology &amp; Hard Tissue Pathology</td>
<td>Bourne House, Belmont</td>
</tr>
</tbody>
</table>
Aims:
• To provide knowledge on the diagnosis, clinical features and management of emergencies that can occur in dental patients.

CPD Development outcomes: C

Essential content:
• A systematic approach to the management and diagnosis of medical emergencies e.g. loss of consciousness, anaphylaxis, shock, epilepsy and asthma including a review of the emergency drugs that should be available within a dental practice.

Teaching/learning methods:
• Lectures and strong emphasis on problem-based learning. The main concept will be that of self-study followed by discussion of questions at the study circle.

Expected learning outcomes:
At the end of the session all participants should be able to:
• describe the management of the more common medical emergencies; and
• discuss the principles and management of shock.

Programme
6.30pm registration
6.45pm – 8.45pm
Aims:
- The main aim for this session is to review the types and treatments available for traumatic injuries to the dentition.

**CPD Development outcomes:** C

**Essential content:**
- classification of traumatic injuries to the teeth and supporting structures; and
- treatment for traumatic injuries to the teeth and supporting structures.

**Teaching/learning methods:**
- Lectures and strong emphasis on problem-based learning. The main concept will be that of self-study followed by discussion of questions at the study circle.

**Expected learning outcomes:**
At the end of the session all participants should be able to:
- classify the different types of traumatic dental injuries;
- outline short term treatment plans for people with dental trauma; and
- outline the longer term implications for people with dental trauma.

**Programme**
- 8.45am registration
- 9.00am – 11.00am
Aims:
- To provide an overview of the current issues in paediatric dentistry including the aetiology of dental disease in children, preventative and treatment strategies.

CPD Development outcomes: A and C

Essential content:
- There will be a strong emphasis on the diagnosis and formulation of treatment plans for the paediatric patient.

Teaching/learning methods:
- A mixture of literature review, case-based discussion and didactic teaching lectures and strong emphasis on problem-based learning.

Expected learning outcomes:
At the end of the session all participants should be able to:
- devise appropriate preventive regimes for children;
- create appropriate treatment plans for children with caries;
- suggest appropriate treatment plans for children with discoloured teeth; and
- describe possible management options for children with hypodontia.

Programme
11.15am – 1.15pm
Lunch
Aims:
- To provide an overview of the basics and relevance of critical reading to dentistry.

CPD Development outcomes: D

Essential content:
- P values;
- Bias; and
- Basis of evidence.

Teaching/learning methods:
- A mixture of literature review, case-based discussion and didactic teaching lectures and strong emphasis on problem-based learning.

Expected learning outcomes:
At the end of the session all participants should be able to:
- explain the relevance of the publication of scientific articles;
- outline the different levels and types of evidence; and
- describe how to appraise a published article in a standardised way.

Programme
2.00pm – 4.00pm
SESSION: 5  DATE: Thursday 5 December 2019

VENUE: Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE: Conscious Sedation

SPEAKER: Miss Ashleigh Stamp, GDP

CPD HOURS: 2

Aims:
- To provide an overview of conscious sedation within dentistry.

CPD Development outcomes: A, C and D

Essential content:
- methods of sedation available to dentists;
- drugs used;
- current regulations; and
- pre-assessment of the anxious/uncoperative patient.

Teaching/learning methods:
- Didactic teaching lectures and general discussion.

Expected learning outcomes:
At the end of the session all participants should be able to:
- describe the ASA classification;
- manage medical emergencies specific to dental sedation;
- list complications associated with sedation; and
- rationalise the training pathway for those interested in sedation.

Programme
6.30pm registration
6.45pm – 8.45pm
SESSION: 6  DATE:  Thursday 12 December 2019

VENUE:  Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE:  Pharmacology

SPEAKER:  Dr James Allison, Clinical Fellow in Oral Surgery

CPD HOURS:  2

Aims:
  • To provide an overview of pharmacology relevant to dentistry.

CPD Development outcomes:  C and D

Essential content:
  • Classifications and classes of drugs; and
  • Review of drugs/medications that have a direct relevance to the practice of dentistry.

Teaching/learning methods:
  • Didactic teaching lectures and strong emphasis on problem-based learning.

Expected learning outcomes:  
At the end of the session all participants should be able to:
  • discuss the relevant legislation on prescribing and classes of drug;
  • review systems of commonly encountered drugs and relate these to potential side effects; and
  • outline the relevant use of antibiotics in line with RCS guidelines.

Programme
6.30pm  registration
6.45pm – 8.45pm
Aims:
- To provide an overview of the pharmacology and role of the different local anaesthetic agents available for use within dentistry.

CPD Development outcomes: C

Essential content:
- Review of different local anaesthetic agent pharmacology, uses, techniques and indications as well as contra-indications.

Teaching/learning methods:
- A mixture of literature review, case-based discussion and didactic teaching lectures and strong emphasis on problem based learning and practical tuition.

Expected learning outcomes:
At the end of the session all participants should be able to:
- review the pharmacology and types of local anaesthetic that are available;
- describe the use of the various local anaesthetic techniques that are available; and
- outline how to manage cases where it is difficult to obtain effective local anaesthesia.

Programme
6.30pm registration
6.45pm – 8.45pm
Aims:
- To provide an overview of healing processes, case selection and techniques involved in hard and soft tissue surgery in the oral cavity.

CPD Development outcomes: C

Essential content:
- injury and healing;
- review of techniques; and
- tips for case selection.

Teaching/learning methods:
- A mixture of literature review, case-based discussion and didactic teaching lectures and strong emphasis on problem-based learning.

Expected learning outcomes:
At the end of the session all participants should be able to:
- describe the processes involved in tissue injury and healing;
- review common surgical procedures; and
- explain the principles of case selection.

Programme
6.30pm registration
6.45pm – 8.45pm
Aims:
- To provide guidance for MFDS examination preparation, including likely topics and techniques.

CPD Development outcomes: C and D

Essential content:
- Tips to improve examination performance and optimise preparation.

Teaching/learning methods:
- Lecture; and
- Sample questions.

Expected learning outcomes:
At the end of the session all participants should be able to:
- Describe the most likely topics to be included in the MFDS examination; and
- Identify areas in which further revision may be required.

Programme
6.30pm registration
6.45pm – 8.45pm
Aims:
- To provide an overview of the management of head and neck trauma.

CPD Development outcomes: B and C

Essential content:
- presentation of hard and soft tissue trauma;
- relevant trauma anatomy; and
- examples of management hard and soft tissue trauma.

Teaching/learning methods:
- Lecture

Expected learning outcomes:
At the end of the session all participants should be able to:
- outline the role of maxillofacial surgeons in trauma;
- describe the principles of diagnosis of trauma;
- discuss relevant hard tissue anatomy of the head and neck; and
- describe the procedures of maxillofacial trauma management.

Programme
6.30pm   registration
6.45pm – 8.45pm
SESSION: 11  DATE: Thursday 6 February 2020

VENUE: Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE: Complete and Partial Denture Design

SPEAKER: Dr Alex Daly, StR Restorative Dentistry

CPD HOURS: 2

Aims:
- To provide an overview of how to undertake the design of complete and partial dentures and a review of the common pitfalls.

CPD Development outcomes: C

Essential content:
- There will be a strong emphasis on the diagnosis and formulation of treatment plans for the partial dentate and edentulous patient.

Teaching/learning methods:
- A mixture of literature review, case-based discussion, lectures and strong emphasis on problem-based learning. There will also be a hands-on practical session allowing the trainee an opportunity to design some partial dentures.

Expected learning outcomes:
At the end of the session all participants should be able to:
- outline the anatomical landmarks relevant to the design of complete dentures;
- describe the different impression techniques available for the management of flabby and atrophic ridges;
- outline the main problem areas within complete denture design and construction;
- describe the classification of partial dentures;
- outline the relevance and use of surveyors in partial denture design; and
- design a partial denture.

Programme
6.30pm registration
6.45pm – 8.45pm
SESSION: 12  
DATE: Thursday 27 February 2020

VENUE: Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE: Contemporary Endo and Troubleshooting

SPEAKER: Dr Andrew Gemmell, GDP

CPD HOURS: 2

Aims:
- To provide an overview of contemporary non-surgical endodontics and troubleshooting difficult cases.

CPD Development outcomes: C

Essential content:
- Predictable non-surgical endodontics is an essential requirement of general dental practice, this session will outline techniques to improve predictability of endodontic outcomes.

Teaching/learning methods:
- peer review;
- lecture; and
- discussion.

Expected learning outcomes:
At the end of the session all participants should be able to:
- provide practical tips for improving non-surgical endodontic outcomes; and
- discuss how difficulties can be first avoided and if encountered, outline methods for problem solving difficult cases.

Programme
6.30pm registration
6.45pm – 8.45pm
SESSION: 14  DATE: Saturday 7 March 2020

VENUE: Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE: Oral Pathology: Diseases of the Oral Mucosa

SPEAKER: Dr Anne Chambers, STR in Oral and Maxillofacial Pathology

CPD HOURS: 2

Aims:
- The aim of this session is to provide DCT1 trainees with an overview of the key topics in Oral Pathology which are relevant to both clinical practice and the requirements of MFDS/MJDF examinations. The session will encourage DCT1 learners to draw on and discuss their own experiences of oral mucosal diseases, thus placing its knowledge content into a clinical context.

CPD Development outcomes: B and C

Essential content:
- ‘Lumps and bumps’, white and red patches, ulcers, and pigmented lesions presenting on the oral mucosa.

Teaching/learning methods:
- the session will encourage DCT1 learners to draw on and discuss their own experiences of oral mucosal diseases, thus placing its knowledge content into a clinical context. A power-point presentation will include a mixture of clinical cases and didactic slides;
- clinical cases will be used to stimulate discussion and interaction; and
- didactic slides will:
  - Summarise key learning points
  - Signpost relevant resources to help consolidate learning through independent study.

Expected learning outcomes:
At the end of the session all participants should be able to:
- describe the key features of any mucosal lesion;
- apply these features to identify ‘high risk’ lesions that require urgent referral and management;
- list the common causes of mucosal ‘lumps and bumps’ and describe their clinical management; and
- outline the spectrum of diseases which may present as:
  - white and/or red patches
  - ulcers
  - pigmented lesions
  and stratify these according to their biological behaviour.

Programme
8.45am registration
9.00am – 11.00am
Aims:
- To provide an overview of contemporary periodontics.

CPD Development outcomes: C

Essential content:
- classify the different types of periodontal diseases;
- review of the aetiology and risk factors for periodontal diseases;
- rationale and current concepts behind non-surgical management of periodontal disease; and
- review of different types of chemical/antimicrobial adjunctive agents that are available.

Teaching/learning methods:
- A mixture of literature review, case-based discussion and didactic teaching lectures.

Expected learning outcomes:
At the end of the session all participants should be able to:
- describe appropriate investigations and classify periodontal diseases;
- explain the aetiology and risk factors associated with periodontal disease;
- explain the rationale and current techniques used in the non-surgical management of periodontal disease; and
- discuss antimicrobial adjuncts available for the management of periodontal disease.

Programme
11.15am – 1.15pm
Lunch
Aims:
- To provide an overview of craniofacial and dental embryology and its relevance to clinical practice

CPD Development outcomes: C

Essential content:
- general embryology: Pharyngeal arches and neural crest cells;
- development of the face, palate and tongue;
- development of the jaws and skull;
- common craniofacial malformations;
- all aspects of tooth development, including periodontal tissues and tooth eruption; and
- developmental tooth disorders.

Teaching/learning methods:
- Interactive lecture and discussion of key concepts

Expected learning outcomes:
At the end of the session all participants should be able to:
- describe the development of the face, palate and tongue;
- describe the development of the jaw and skull bones;
- recognise and interpret common craniofacial malformations;
- describe all aspects of tooth development, including tooth attachment and tooth eruption;
- explain the features and causes of developmental tooth disorders; and
- discuss how knowledge of developmental processes relates to clinical practice.

Programme
2.00pm – 4.00pm
SESSION: 15  DATE: Thursday 12 March 2020

VENUE: Bourne House, Mandale Business Park, Belmont, Durham DH1 1TH

TITLE: Radiology and Hard Tissue Pathology

SPEAKER: Andrew Carr, Clinical Teaching Fellow, Newcastle University

CPD HOURS: 2

Aims:
• To review the principles of radiological interpretation and bony pathologies relevant to dentistry.

CPD Development outcomes: C

Essential content:
• the principles of radiological interpretation; and
• diseases of the bone and the maxillary sinus.

Teaching/learning methods:
• A focus on case-based discussions with additional didactic teaching.

Expected learning outcomes:
At the end of the session all participants should be able to:
• outline the principles of radiological interpretation; and
• outline the diseases of bone and the maxillary sinus.

Programme
6.30pm registration
6.45pm – 8.45pm