IMPORTANT ANNOUNCEMENT ON
THE DISCONTINUATION OF THE PART I EXAMINATION

Part I has been removed from this examination. Candidates sitting the Part II examination will not require to pass, or have exemption from, Part I. Eligible candidates will sit the Part II examination under these regulations.

The topics normally covered in the Part I examination will be incorporated into the new single examination. New regulations detailing this change will be available in Spring 2010. In the meantime the examination will continue to be held under these regulations.

If you wish to register your interest in the revised format examination and to be informed when the new Regulations are released, please email the Examination Section at: dental.exams@rcsed.ac.uk

Faculty of Dental Surgery
July 2009
INTRODUCTION

1. The Diploma of Membership in Restorative Dentistry of the Royal College of Surgeons of Edinburgh may be granted to those who possess a dental qualification which is acceptable to the Council of the Royal College of Surgeons of Edinburgh and who comply with the Regulations.

2. For the purpose of these Regulations, Restorative Dentistry embraces the disciplines of Endodontics, Periodontics and Prosthodontics. Candidates are asked to state which of these three aspects of Restorative Dentistry is to be their nominated subject when applying for Part II of the Examination.

THE EXAMINATION

3. The Examination for the Diploma of Membership in Restorative Dentistry will comprise two Parts, namely; Part I (a) applied basic dental sciences, (b) applied sciences relevant to Restorative Dentistry and the candidate’s nominated subject; Part II Principles and Practice of Restorative Dentistry with in-depth examination in the nominated subject.

(i) Part I of the Examination will consist of:

(a) applied basic dental sciences. One combined Multiple Choice Question (MCQ) paper and Multiple Short Answer (MSA) question paper of three hours duration, and a simulated clinical examination on typical basic dental problems, not exceeding 60 minutes duration. Human disease in relation to dentistry may be included;

(b) applied sciences. One MSA question paper of three hours duration on general Restorative Dentistry and an oral examination of 30 minutes duration on the applied sciences relevant to the clinical practice of Restorative Dentistry.

(ii) Part II of the Examination will consist of:

(a) a three hour written paper in general Restorative Dentistry;

(b) a three hour written paper in the candidate's nominated subject;

(c) a 15 minute oral examination following a clinical examination in aspects of general Restorative Dentistry;

(d) a 15 minute oral examination following a clinical examination in the candidate's nominated subject;

(e) a 30 minute oral examination in Restorative Dentistry but with an emphasis on the candidate's nominated subject;
(f) an oral examination of 30 minutes duration based on four fully documented case histories each describing a patient personally treated by the candidate.

GENERAL REGULATIONS

4. Eligibility

Part I Candidates for Part I of the Examination will be expected to provide certified evidence of having gained broad experience of clinical dentistry for a minimum of two years after obtaining a primary dental qualification. One of the two years should normally have been spent in posts approved by the College for this purpose. Within the two years, experience must be obtained in more than one clinical dental discipline, with a minimum experience of at least three months duration in each selected discipline. Normally equivalent part-time experience will be acceptable if gained within a period of four years.

Part II Candidates for Part II of the Examination must have passed, or have exemption from Part I of the Examination. Award of the Membership in Restorative Dentistry RCSEd is dependant on evidence that the candidate will have completed a period of three years full-time (or part-time equivalent) in appropriate approved posts, courses and programmes of training. Candidates may, however, enter themselves for examination after two and a half years (or part-time equivalent). The training should preferably be continuous but in some cases breaks in training may be permitted. The total training period should not normally exceed six years. Part-time posts, courses and programmes will not normally be approved if they are less than half-time. Taught MSc degree programmes may be considered as contributory to the specialist training programme provided the programme content is apportioned approximately as follows:

Clinical 60%   Academic 25%   Research 15%

The Joint Committee for Specialist Training in Dentistry (JCSTD), on the advice of the Specialist Advisory Committee (SAC) in Restorative Dentistry, will be responsible for the recognition and approval of training programmes in the United Kingdom, and bodies seeking approval should apply to the SAC.

The Royal College of Surgeons of Edinburgh will, in recognising posts and training overseas, apply similar criteria to that approved by the SAC in Restorative Dentistry.

Candidates who do not exactly fulfil the above requirements may apply for special consideration of their experience provided they submit the full details to the Examinations Department of the College.

5. Exemptions

Exemption from Part I of the MRD RCSEd Examination will normally be limited to candidates:

(i) who present evidence of having been successful in the Part I/Primary Examination for Fellowship in Dental Surgery/Dentistry of one of the Royal Colleges of the United Kingdom and Ireland until such time as the existing Part II Fellowship in Dental Surgery/Dentistry Examinations are discontinued; or

(ii) who present evidence of having been successful in the Diploma of Member of the Faculty of Dental Surgery/Dentistry of one of the Royal Colleges of the United Kingdom and Ireland; or

(iii) who hold a degree or diploma of equivalent standard which is acceptable to the Royal College of Surgeons of Edinburgh.

Exemption from that Part of the Examination which relates to the four fully documented case histories may be granted to candidates who have previously failed the Membership in
Restorative Dentistry Examination of the Royal College of Surgeons of Edinburgh, if their presented material and performance in the related oral examination has satisfied the examiners. This exemption will be restricted to two further attempts at the examination only.

6. **Examination dates and fees payable**

**Part I and II**

The date of the examination and fees payable for admission are set out in the Examinations Calendar which is obtainable from the Examinations Department, The Royal College of Surgeons of Edinburgh, The Adamson Centre, 3 Hill Place, Edinburgh EH8 9DS.

Every candidate shall give notice of his/her intention to present himself/herself for examination no later than the closing date as indicated on the Examinations Calendar. Candidates applying for the Part II Examination must indicate his/her nominated subject at the time of application.

Applications for admission to the Part I Examination must be accompanied by certified evidence of experience gained in broad based dentistry for a minimum of two years and the fee payable for admission to the examination. Applications for admission to the Part II Examination must be accompanied by the certified evidence of training, the four fully documented case histories and the fee payable for admission to the examination.

7. **Withdrawal from the Examination**

Candidates withdrawing from either part of the examination must do so in writing. The entrance fee may be returned, less 20% administrative charges, or transferred to the next diet of the examination where written notice is received by the College prior to the closing date for receipt of applications. Half of the entrance fee may be returned or transferred to the next diet of the examination where written notice is received not less than 21 days prior to the commencement of the examination. After that date no refund of entrance fees will normally be made to candidates who withdraw from the examination or fail to attend for any reason whatsoever. No allowance will be made for postal or other delays. Candidates who submit an application form but are subsequently found to be ineligible to enter for the examination will have their fee returned less 20% administrative charges. Candidates, who are entitled to a refund will have their monies returned on the completion of the examination for which they have entered.

8. **Conduct of the Examination**

The Council of the College may refuse to admit to an examination or to proceed with the examination of any candidate who infringes any of the Regulations or who is considered by the examiners to be guilty of behaviour prejudicial to the proper management and conduct of the examination.

**CANDIDATES MUST HOLD A CERTIFICATE OF SUCCESSFUL HEPATITIS B IMMUNISATION ACCEPTABLE TO THE COLLEGE.**

Candidates who desire to make representation with regard to the conduct of their examination must address them to the Examinations Department of the College and not in any circumstances to an examiner.

9. **Designation and registration**

A candidate who passes the Part II Examination shall be entitled to the designation of Member in Restorative Dentistry of the Royal College of Surgeons of Edinburgh MRD RCSEd (Endo. Perio. Pros.) and shall receive a diploma bearing the seal of the College signed by the President, the Dean of the Faculty of Dental Surgery and the Secretary to the College. The form of the diploma shall be as follows:
"The President and Fellows of the Royal College of Surgeons of Edinburgh hereby grant the Diploma of Membership in Restorative Dentistry to ................................., who has completed the required form of study and passed the necessary examination majoring in the subject of....................... ."

Successful candidates will be granted Membership in the Faculty of Dental Surgery of the College on payment of such election fee and annual subscription as may be determined from time to time by the Council of the College. Members in the Faculty of Dental Surgery may participate in Faculty and College educational and social activities.

The Diploma is registrable in the British Dentists Register provided that the name of the holder already appears in that Register. Particulars of registration may be obtained from the Registrar, General Dental Council, 37 Wimpole Street, London W1M 8DQ.

SCOPE OF THE EXAMINATION

The general Restorative Dentistry element of the examination will test the candidate’s broad based understanding of the theory and practice of Restorative Dentistry set in the context of total patient care. The relevant basic and clinical science will be included. The specialist element of the examination will follow from this broad base.

No syllabus can be comprehensive and the lists which follow are not intended to be prescriptive or exhaustive. Candidates are expected to be aware of recent developments in their specialist field.

The level of understanding of the following subjects should be appropriate to a three-year specialist training programme.

Familiarity with the published literature pertinent to all aspects of Restorative Dentistry is essential and particularly in the candidate's nominated subject.

Candidates should also have a working knowledge of the following:

PART Ia

(i) applied anatomy of the head and neck including dental anatomy, and radiographic anatomy;
(ii) principles of applied physiology and biochemistry with specific reference to bone growth and development, respiration, circulation, mastication, deglutition and speech;
(iii) human disease in relation to dentistry including relevant microbiology, pathology and immunology;
(iv) a working knowledge of the properties of dental materials.

PART Ib

(i) the inter-relationships of Endodontics, Periodontics and Prosthodontics and other clinical dental disciplines;
(ii) principles of prevention of oral diseases;
(iii) medical and surgical problems relevant to Restorative Dentistry;
(iv) orofacial, craniomandibular and occlusal function and dysfunction;
(v) relevant diagnostic procedures and techniques including applied dental radiography and radiology;
(vi) the control and management of orofacial and craniomandibular pain, discomfort and dental anxiety, including the selection, prescription and administration of drugs relevant to the practice of Restorative Dentistry;
(vii) the influence of the processes of dental development and ageing, relevant to dental practice;
(viii) behavioural sciences, epidemiology, statistics and clinical information technology;
(ix) all relevant aspects of dental technology;
(x) principles and procedures for clinical audit;
(xi) provision of restorative dental care for special category (special needs) patients.

PART II

In Part II of the Examination candidates should have knowledge of the following in relation to their nominated subject:

ENDODONTICS

(i) anatomy, physiology and pathology of the masticatory system and related structures, including teeth and periodontium;
(ii) microbiology of dental plaque, caries and periodontal disease;
(iii) cell biology;
(iv) comprehensive diagnosis and treatment planning;
(v) prevention of dental disease;
(vi) sedation, local and general anaesthesia;
(vii) radiology and imaging;
(viii) pharmacology and therapeutics;
(ix) epidemiology;
(x) management of medically/clinically compromised patients;
(xi) communication, interpersonal skills and team leadership;
(xii) aspects of behavioural science;
(xiii) properties of biomaterials and dental materials;
(xiv) diagnosis and management of pulpal and periapical disease;
(xv) diagnosis and management of orofacial pain, psychogenic pain and TMD;
(xvi) diagnosis and management of dento-alveolar infections and sequelae;
(xvii) tooth preparation, isolation, access and instrumentation;
(xviii) preparation, disinfection and obturation of root canal system;
(xix) surgical endodontics;
(xx) management of traumatic injuries to the teeth;
(xxi) practice management;
(xxii) endodontics in children (primary teeth and immature permanent teeth);
(xxiii) assessment and management of teeth which have previously undergone endodontic treatment;
(xxiv) evaluation of the success of treatment;
(xxv) review and maintenance procedures;
(xxvi) periodontics and prosthodontics in relation to endodontics;
(xxvii) the periodontal/endodontic interface;
(xxviii) the orthodontic/endodontic interface;
(xxix) theory and clinical practice of implants;
(XXX) research methodology and statistics;
(XXXI) treatment of discoloured teeth;
(XXXII) restorative considerations and endodontics;
(XXXIII) cross infection and sterilisation.

PERIODONTICS

(i) anatomy, physiology and pathology of the masticatory system, pulp and periodontium;
(iii) endodontics and prosthodontics in relation to periodontics;
(iii) microbiology of dental plaque;
(iv) comprehensive diagnosis and treatment planning;
(v) prevention of dental diseases;
(vi) clinical features and diagnosis of periodontal diseases;
(vii) pathogenesis of periodontal diseases;
(viii) manifestations of systemic disorders;
(ix) periodontal therapy (initial occlusal, orthodontic and surgical to include gingivectomy, modified Widman, apically repositioned flap, root resection and hemisection, mucogingival surgery and regenerative surgery);
(x) adjunctive therapies;
(xi) properties of biomaterials and dental materials;
(xii) radiology;
(xiii) pharmacology;
(xiv) epidemiology and dental public health: to include biostatistics;
(xv) management of medically/clinically compromised patients;
(xvi) antimicrobial therapy of periodontal diseases;
(xvii) management of furcation problems;
(xviii) theory and clinical practice of implants;
(xix) research methodology and statistics;
(xx) communication, interpersonal skills and team leadership;
(xxi) cell biology in relation to periodontal diseases;
(xxii) techniques of case documentation.

PROSTHODONTICS

(i) anatomy, physiology and pathology of the masticatory system, pulp and periodontium;
(ii) endodontics and periodontics in relation to prosthodontics;
(iii) comprehensive diagnosis and treatment planning;
(iv) management of pain/emergency dental treatment;
(v) prevention of dental diseases;
(vi) complete dentures (including copy dentures, overdentures and immediate dentures);
(vii) removable partial dentures;
(viii) maxillofacial prosthodontics;
(ix) combination of fixed and removable prostheses;
(x) fixed prostheses conforming to, existing and reorganisation occlusion;
(xi) implant supported prostheses (both fixed and removable);
(xii) identification and management of denture and crown and bridge problems;
(xiii) the conservation of teeth, including indications, principles and techniques for intracoronal and extracoronal restorations and including adhesive techniques and materials;
(xiv) theory and practice of occlusion including the uses and a working knowledge of articulators;
(xv) diagnosis and management of TMD;
(xvi) management of medically/clinically compromised patients and the elderly;
(xvii) a good working knowledge of the interface between prosthodontics/surgical dentistry/orthodontics;
(xviii) surgical aspects of prosthodontic treatment, for example, pre-prosthetic surgery, ridge augmentation, apicectomy;
(xix) experience of relevant laboratory techniques, including diagnostic laboratory work and technical aspects of fixed and removable prostheses;
(xx) biomaterials and dental materials;
(xxi) imaging;
(xxii) pharmacology;
(xxiii) epidemiology;
(xxiv) communication, psychology, interpersonal skills and team leadership;
(xxv) research methodology and statistics;
(xxvi) evaluation of treatment outcomes.

CANDIDATES SHOULD NOTE THAT THESE SYLLABII ARE INDICATIVE OF THE AREAS OF KNOWLEDGE EXPECTED OF CANDIDATES. THEY ARE NOT INTENDED TO BE EXHAUSTIVE OR TO EXCLUDE OTHER ITEMS OF KNOWLEDGE WHICH ARE OF SIMILAR RELEVANCE.
APPENDIX

Guide to Candidates
The structure of the Examination

THE EXAMINATION

The Examination of the Diploma of Membership in Restorative Dentistry is comprised of two Parts, namely; Part I (a) applied basic dental sciences, (b) applied sciences to Restorative Dentistry and the candidate’s nominated subject; Part II Principles and Practice of Restorative Dentistry with in-depth examination of the nominated subject.

(i) Part I of the Examination will consist of:

(a) applied basic dental sciences. One combined Multiple Choice Question (MCQ) paper and Multiple Short Answer (MSA) question paper of three hours duration and a simulated clinical examination on typical basic dental problems, not exceeding 60 minutes duration. Human disease in relation to dentistry may be included;

(b) applied sciences. One MSA question paper of three hours duration on general Restorative Dentistry and an oral examination of 30 minutes duration on the applied sciences relevant to the clinical practice of Restorative Dentistry.

Simulated Clinical Examination - 60 minutes duration

For this examination candidates will be presented with case histories and all relevant material including study casts, radiographs and photographs as appropriate.

Candidates will not be presented with patients for examination or treatment and practical tests will not be undertaken.

The candidates will examine the material provided and answer a series of relevant questions in relation to typical basic dental problems and human disease in relation to dentistry.

Oral Examination - 30 minutes duration

Candidates will be asked questions on the applied sciences relevant to the clinical practice of Restorative Dentistry.

(ii) Part II of the Examination will consist of:

(a) a three hour written paper in general Restorative Dentistry;

(b) a three hour written paper in the candidate’s nominated subject;

(c) a 15 minute oral examination to include the diagnosis, assessment and the formulation of a treatment plan for a patient, with a range of general Restorative Dentistry problems following a 20 minute examination of the patient;

(d) a similar 15 minute oral examination based on a 20 minute examination of the clinical records of a patient or patients in the candidate’s chosen specialty, provided by the examiners. In each clinical examination (c and d above) the candidate will be presented with case histories and all relevant material including study casts, radiographs and photographs as appropriate. The candidate may also be presented with patients for examination but treatment and practical tests will not be undertaken. From the examination of the material provided the candidate will be expected to provide a diagnosis and formulate a treatment plan. The candidate will have 30 minutes to
examine the material followed by an oral examination of 15 minutes, in each clinical examination;

(e) a 30 minute oral examination in Restorative Dentistry but with an emphasis on the candidate's nominated subject. Reference may be made to colour illustrations, radiographs, study casts, restorations appliances and instruments relating to various aspects of Restorative Dentistry but with an emphasis on the candidate's nominated subject;

(f) an oral examination of 30 minutes duration based on four fully documented case histories each describing a patient personally treated by the candidate. Candidates will be examined on the previously submitted fully documented case histories and the related oral examination will be an assessment of their understanding of all aspects of the cases to which the submitted histories refer.

NB. In each part of the examination candidates will normally be examined by two examiners.

FULLY DOCUMENTED CASE HISTORIES

Each candidate is required to prepare four fully documented case histories in duplicate. Two of the case histories should each describe the examination, diagnosis, treatment planning and management of a patient who has received general restorative care of an advanced nature possibly including medical problems and/or a multidisciplinary dental approach. The other two cases should each describe the examination, diagnosis, treatment planning and management of a complex problem within the field of the candidate's nominated subject. Each of the four fully documented case histories should be typed and separately bound. A robust, flat type A4 format with clear PVC pockets is recommended. Duplicate copies of each case history are required; one copy being submitted to the College at the time of making application for entry to Part II, the other being retained by the candidate for reference. Radiographs, photographs, transparencies and any other presentation aids should be provided where appropriate and these should be clearly described in the text. The originals should form part of the case history retained by the candidate.

Study casts should be brought by the candidate on the day of the examination articulated as is considered appropriate. Each of the fully documented case histories and associated illustrative material (e.g. radiographs, study casts etc.) should be identifiable using coloured adhesive labels as follows:

- Case History 1 Red
- Case History 2 Blue
- Case History 3 Green
- Case History 4 Black

The candidate's name or initials must not be shown on the material. Only the patient's initial, sex and date of birth should be shown. The addresses of the candidate and the patients should not be indicated. Each fully documented case history should give a brief description of the relevant history and the results following clinical examination and investigations adopted. The candidate should also give his/her assessment of the diagnostic features and discuss the treatment plan advised. Emphasis should be placed on the careful and complete assessment of the patient's needs in the light of all relevant circumstances. The candidate should refer to any further investigations and/or treatment which may be required and comment on any special difficulties which necessitated a modification of the initial treatment plan. Each case history should end with an appraisal of the outcome of the treatment together with a discussion of whether the objectives were fully achieved. Candidates should also indicate if the results provided useful lessons which might influence the management of similar problems in the future. The case histories should be accompanied by a signed statement from the clinician responsible for the direct clinical supervision of the candidate, confirming the candidate's management of the submitted cases. This statement should be separately addressed to the Examinations Department in a sealed envelope: it must not be enclosed with the clinical case histories. The clinical case histories will be available for collection following the adjudication and candidates should note that this is their personal responsibility.
For a transitional period of three diets of the Part II of the Examination, dental surgeons who have been practicing Restorative Dentistry and wish to be considered for the Membership Diploma in Restorative Dentistry may apply to the Advisory Board in Restorative Dentistry enclosing a curriculum vitae. This should demonstrate:

(i) a training of not less than two years in which a broad experience in General Professional Training or its equivalent has been gained. All appointments held during this period of training would have to have been recognised by the Royal College of Surgeons of Edinburgh;

(ii) evidence of not less than three years full-time in the practice of Restorative Dentistry, or pro-rata equivalent;

(iii) attendance at relevant postgraduate courses. Details of these courses should illustrate the candidate’s commitment to continuing postgraduate education. This should include a minimum of 50 hours of continuing professional education per year.

If the Advisory Board is satisfied with the practitioner’s curriculum vitae, he/she will be called for the clinical and oral section of the Part II of the Diploma Examination.