

PROSPECTUS IN DENTAL SURGERY

INTRODUCTION:

The Postgraduate Institute of Medicine conducts the following courses in Dental Surgery

- 1) MS Oral Surgery
- 2) MS Orthodontics
- 3) MS Restorative Dentistry
- 4) MD Oral Pathology
- 5) Diploma in Hospital Dental Practice
- 6) Diploma in General Dental Practice (due to commence in the near future)

For MS Oral Surgery, MS Orthodontics and MS Restorative Dentistry there is a Part I examination namely MS Dental Surgery Part I and is common for all three specialities. In order to take the MD Oral Pathology Part I examination a prospective candidate must appear for a screening examination. For Diploma in Hospital Dental Practice and Diploma in General Dental Practice there are screening examinations for selection to the relevant training programme.

The details of these courses and the examinations are given in the following pages.

MS (DENTAL SURGERY) PART I EXAMINATION

As mentioned earlier this examination is a common one for MS Oral Surgery, MS Orthodontics and MS Restorative Dentistry courses. The maximum number of attempts any candidate can appear for this examination is four (4) according to current regulations.

ELIGIBILITY:

- a) Holder of a dental degree which is registerable with the Sri Lanka Medical Council;
- b) A minimum period of twelve months after graduation with the degree mentioned in a) above, either in hospital or private sector.

SCOPE OF THE EXAMINATION:

This examination will consist of two essay-type question papers and one multiple choice question paper together with an oral examination (viva voce) in the following subjects as pertinent to the practice of Oral and maxillofacial surgery, Restorative dentistry and Orthodontics in hospitals. The emphasis will be on those aspects of the subjects that are of clinical and practical application and which demonstrate fundamental principles and process. The subjects are:

- A. Applied Anatomy
- B. Dental Anatomy including Oral Physiology
- C. Applied Physiology including Biochemistry
- D. Principles of Pathology including Microbiology

Clinical examiners are included in the examining team for each component of the examination. A detailed description of the scope of each subject follows:

A. APPLIED ANATOMY

Candidates will be expected to have a general knowledge of the regional, applied and radiological anatomy and histology, knowledge of the human body excluding the limbs and abdomen and also detailed knowledge of the head and neck including the brain and the thorax.

B. DENTAL ANATOMY INCLUDING ORAL PHYSIOLOGY

Candidates should have a good knowledge of the composition, gross and minute structure, development of and function of dental and related tissues and those aspects of embryology that have special dental significance. They should be able to discuss recent investigations in relation to these matters. This would include detailed knowledge of enamel, dentine, pulp, periodontal ligament, cementum, development of teeth and jaws, salivary glands, maxillary antrum and the temporomandibular joint.

C. APPLIED PHYSIOLOGY INCLUDING BIOCHEMISTRY

Candidates will be expected to have a sound knowledge of physiology of the main systems of the body, the general principles of nutrition and metabolism and the mechanism whereby normal growth, the structure of the skeleton and the composition of the body fluids are regulated. A mastery of detailed techniques of experiments and tests will not be required. Similarly in the field of biochemistry a detailed knowledge of chemical reactions, analysis and synthesis is not required. Candidates should, however be familiar with those techniques which are commonly employed in clinical investigations.

D. PRINCIPLES OF PATHOLOGY INCLUDING MICROBIOLOGY

Candidates should have a general knowledge of the causation, character and sequelae of inflammation, degeneration and repair, hypertrophy, atrophy and hyperplasia, thrombosis, embolism, infarction, ischaemia, oedema, neoplasia. They must also have a sound understanding of the principles of blood transfusion and the action of radiation on the body. Candidates should be familiar with the general characteristics of bacteria and viruses and have a more detailed knowledge of those which are important in dental surgery, wound infection and cross infection. They should also have a general understanding of toxins, immunity and actions and uses of antibiotics.

Multiple Choice Question Paper

The three hour multiple choice question paper will have 92 questions distributed as below among the following four subject areas :

Applied Anatomy	23 questions
Dental Anatomy including Oral Physiology	23 questions
Applied Physiology including Biochemistry	23 questions
Principles of Pathology including Microbiology	23 questions

Essay Papers: Paper I and Paper II, each of three hours

Paper I-

This will consist of two parts namely A and B. Part A will be in Applied Anatomy with three questions of which two must be answered. Part B will be in Dental Anatomy including Oral Physiology with three questions of which two must be answered. The candidate must answer four questions in total selecting two questions from each part.

Paper II-

This will consist of two parts namely A and B. Part A will be in Applied Physiology including Biochemistry with three questions of which two must be answered. Part B will be in Principles of Pathology including Microbiology with

three questions of which two must be answered. The candidate must answer four questions in total selecting two questions from each part.

Viva Voce Examination

There will be oral examination in all four subject groups. The oral examination in Anatomy and Dental Anatomy will include histology slides. In General Anatomy candidates will be asked to identify structures in dissected cadavers and specimens including bones. Time allocated for the oral examinations will be as follows:

Anatomy : The candidate will be given 5 minutes to study the general histology slide before facing a 5 minutes viva on the slide followed by 10 minutes viva in General Anatomy. Identification of structures in dissected cadavers and specimens including bone will be part of the 10 minutes viva in General Anatomy.

Dental Anatomy including Oral Physiology: The candidate will be given 5 minutes to study the dental histology slide before facing a 5 minutes viva on the slide followed by 10 minutes viva in Dental Anatomy including Oral Physiology.

Applied Physiology including Biochemistry: 10 minutes in all

Principles of Pathology including Microbiology: 10 minutes in all

MARKING SCHEME

A close marking scheme will be adopted with a range from 10 to 14 with 12 as the pass mark for each component of the examination. The percentage mark in the MCQ paper will be converted to a close mark by an approved standard method. In order to pass the examination a candidate must score a total of 144 marks in the 12 components of the examination.

MASTER IN SURGERY (ORAL SURGERY)

INTRODUCTION

The following is an outline of the method of selection of trainees, the programme of training and examinations leading to Consultant (Specialist) status in Oral and Maxillofacial Surgery with the degree of MS (Oral Surgery). The programme shall consist of four stages with two examinations namely, MS (Dental Surgery) Part I and MS (Oral Surgery). The Stages II, III and IV consist of supervised training periods in approved centres in Sri Lanka and abroad.

STAGE I

MS (Dental Surgery) Part I examination represents Stage I. Details of the scope of this examination are given elsewhere in the Prospectus.

STAGE II

The Stage II will be a two year training programme followed by MS (Oral Surgery) Part II examination.

Eligibility for admission to the Stage II training programme:

- a) Success at the MS (Dental Surgery) Part I examination ***or***
- b) Pass at the Primary/ Part I FDSRCS of any Royal College of Surgeons in the UK or Ireland obtained prior to 1.1.1980.

Structure of the Stage II Training Programme

The entire Stage II training programme will be of two years duration.

The trainee will be placed on the following appointments:

- 1. Faculty of Dental Sciences- 09 months

This period will be distributed in the following manner:

Oral Surgery-	10 weeks
Oral Medicine-	10 weeks
Oral Pathology-	10 weeks
General Dentistry-	06 weeks

During these appointments the trainees will follow clinical demonstrations, ward classes , operating theatre sessions, laboratory practical classes and also lectures. The trainee will be encouraged to acquire knowledge in the following subjects : Orofacial infections, Trauma, Oncology, Cysts, Developmental anomalies, Facial pain, Mucocutaneous diseases, Temporomandibular

disorders, Disease of bone, Ulcerations, haematology, Radiology, Medical emergencies, Oral manifestations of systemic diseases and Salivary gland disease

- 2 Appointment under a Consultant Physician- 03 months

This attachment will be on an individual basis and the trainee will participate in all clinical activities of the unit in order to get “hands on” experience in the diagnosis and management of (general) medical conditions that are relevant to the practice of oral and maxillofacial surgery and oral medicine.

- 3 Surgical appointments- 03 months

This period will be distributed in the following manner:

Accident Service-	04 weeks
Cancer Institute-	04 weeks
General Surgery-	04 weeks

The trainee will participate in all clinical activities of the unit in order to gain “hands on” experience in the diagnosis and management of surgical conditions relevant to the practice of oral and maxillofacial surgery.

- 4 An appointment of nine months duration under a Dental and Maxillofacial surgeon or an equivalent specialist in an approved unit.

4.1. The trainee will follow clinical demonstrations, attend operating theatre sessions and lectures / discussions in oral surgery, oral medicine and general dentistry.

4.2. The trainee will participate in all clinical activities of the unit in order to gain “ hands on” experience in the diagnosis and management of oral and maxillofacial diseases.

MS ORAL SURGERY EXAMINATION (“ PART II”)

Eligibility for MS Oral Surgery Examination (“ Part II”)

- Pass in MS (Dental Surgery) Part I or
- Pass at the Primary / Part I FDSRCS of any Royal College of Surgeons in the UK and Ireland obtained prior to 1.1.1980

The examination:

The end of course examination will consist of two theory papers, one practical (with two components viz oral surgery and oral pathology), two clinicals and a viva voce examination. The close marking scheme will be adopted with a range from 7 to 10 marks with 9 as the pass mark. In order to pass the examination a candidate must score a total of 54 marks in the following six components:

1. **Paper I-**

Four essay type questions with three hour duration. Two questions will be in oral and maxillofacial surgery, one in medicine and one in surgery.

2. **Paper II-**

Four essay type questions with three hour duration. One question will be in oral medicine, one in oral pathology, one in general dentistry and the fourth question will be either in oral medicine or oral pathology. The question in general dentistry shall not be on a fixed subject but shall be allowed to vary.

3. **Practical-** This will consist of the following:

3.1. Oral Surgery-

This involves surgical removal of an impacted mandibular third molar tooth with administration of local anaesthesia, raising of a mucoperiosteal flap, removal of bone and suturing. Duration- 2 hours.

3.2. Oral Pathology-

This involves identification of histological features in slides under microscope and relating them to the clinical situation. Duration- 30 minutes per each case.

4. **Clinical I-** This will consist of the following:

4.1. Oral Surgery-

One long case. Duration – 1 hour (30 minutes for Examination of patient and 30 minutes for discussion with examiners)

4.2. Oral Medicine-

Two short cases. Duration- 1 hour (15 minutes to examine each case and 30 minutes for discussion with examiners)

5. **Clinical II-** This will consist of the following:

5.1. Medicine-

One long case. Duration – 1 hour (30 minutes for examination of patient and 30 minutes for discussion with examiners)

5.2. Surgery-

One or more short cases in Surgery. Duration 20 minutes per candidate per case. (10 minutes for examination of patient and 10 minutes for discussion with examiners)

5.3. General Dentistry-

One or more short cases in General Dentistry.(Shall not be in a fixed subject). Duration 20 minutes per candidate per case. (10 minutes for examination of patient and 10 minutes for discussion with examiners)

6. **Viva I-** This will be in Oral Surgery, Medicine and Surgery. Duration 10 minutes with each examiner (One internal examiner and one external examiner for each subject).

Viva II- This will be in Oral Medicine, Oral Pathology and General Dentistry (Should not be in a fixed subject). Duration 10 minutes with each examiner. (One internal examiner and one external examiner for each subject).

STAGE III

Stage III will commence after successful completion of MS (Oral Surgery) Part II examination and will consist of a one year period of supervised training in an approved centre abroad. The candidate completing Stage III will be required to present a certificate from his/her supervisor to testify to his/her satisfactory performance during this period abroad.

STAGE IV

After returning from abroad, the completion of a year of service as a Senior Registrar in the Dental Institute, Colombo or Faculty of Dental Science, Peradeniya or other approved institutions. During this stage, the candidate should have access to facilities in general anaesthesia.

Case book presentation

The candidate should provide a case record book of twenty major cases pertaining to all aspects of dental practice managed by him/her alone or in collaboration. These must be certified by the Consultant responsible for training. This book should be submitted within six months of returning from training abroad, or within 2 years of passing Part II examination.

Part of Stage IV may be done before Stage III.

The examiners will be nominated by the Board of Study in Dental Surgery. Approved institutions for training are hospitals where consultant are available.

Section I - Applies to posting of candidates preparing for MS (Oral Surgery)
Part II

Section II - Applies to posting MS (Dental Surgery) awaiting Board Certification.

The rules and regulations may be amended by the Board of Study as and when necessary.

The programme will be reviewed from time to time together with the nature of the examination.

EXEMPTION

Candidates who have passed the FDSRCS examination of any of the Royal Colleges in the UK and Ireland shall be exempted from MS (Dental Surgery) Part I examination

MASTER OF SURGERY IN RESTORATIVE DENTISTRY

INTRODUCTION

The following is an outline of the method of selection of trainees, programme of training and examination leading to Consultant (Specialist) status in Restorative Dentistry with the degree of Master of Surgery in Restorative Dentistry. The programme shall consist of three stages with two examinations namely, the MS (Dental Surgery) Part I and MS (Restorative Dentistry) and a supervised training period at approved centres in Sri Lanka and abroad and final Board Certification.

STAGE I

MS (Dental Surgery) Part I examination represents Stage I.
Details of the scope of this examination are given elsewhere in the Prospectus.

STAGE II

Eligibility for admission to the Stage II training programme:

- a) Success at the MS (Dental Surgery) Part I examination ***or***
- b) Pass at the Primary/ Part I FDSRCS of any Royal College of Surgeons in the UK or Ireland obtained prior to 1.1.1980.

Structure of the Stage II Training Programme

The entire Stage II training programme shall consist of 36 months spent in training at the following centres as follows:

- a) Faculty of Dental Sciences, Peradeniya- 30 months
- b) Dental Institute, Colombo / General Hospital, Kandy 06 months

The trainee will be placed on the following appointments:

- 1. Group I subjects: Phase I

At the commencement the trainee will be placed on rotating appointments for 52 weeks at the Faculty of Dental Sciences, University of Peradeniya in the following subjects (Group I subjects) as shown below:

- I) Restorative Dentistry- 16 weeks
- II) Prosthetic Dentistry- 16 weeks
- III) Paedodontics- 10 weeks
- IV) Periodontology- 10 weeks

(1 ½ days per week in Restorative Dentistry and Prosthetic Dentistry and one day per week in Paedodontics and Periodontology)

2. Group II subjects:

A six (06) months rotation in the under-mentioned subjects (Group II subjects) will follow the Group I subjects appointments as shown below:

- | | | |
|------|----------------------|-------------------------------|
| I. | Oral Surgery- | 01 day per week for 06 months |
| II. | Oral Medicine- | 01 day per week for 06 months |
| III. | Oral Pathology- | 01 day per week for 06 months |
| IV. | Orthodontics- | 01 day per week for 06 months |
| V. | Community Dentistry- | 01 day per week for 06 months |

The afternoons of this period will be utilized to continue on-going patient care and research work.

3. Dental Institute, Colombo / General Hospital, Kandy

The trainee will start the training programme at the Dental Institute, Colombo/ General Hospital, Kandy after completing the first 18 months at the Faculty of Dental Sciences. This will consist of a 06 month hospital appointment as a registrar under the supervision of a consultant. During the first 04 months the trainee will undergo training in Oral Surgery (5 weeks), General Dentistry (6 weeks) and Orthodontics (5 weeks).

The trainee will then take short rotating appointments in Plastic Surgery, Radiology, Paediatrics and Cancer Surgery including reconstruction and rehabilitation (2 weeks each).

4. Group I subjects: Phase II

The balance of the Group I subject appointments will be completed at the Faculty of Dental Sciences prior to the MS Restorative Dentistry examination during the next 1 year. The length of training in each speciality will be as in 1 (Phase I) above.

Case book:

This will consist of a case book of 10 case records managed by the trainee under supervision. A multi-disciplinary approach is preferred and 2 copies of the case book must be submitted 2 months prior to the examination.

Log books:

Separate log books of all treatment procedures carried out by the trainee in the Group I subjects have to be maintained.

Research Project:

The trainee must apply basic research methodology and carry out research project involving two or more specialities under supervision and it has to be presented at a recognized forum such as Sri Lanka Dental Association, University Research Sessions etc., prior to the examination. The abstract should be submitted with the case book. Funding for research will not be the responsibility of the trainee.

MS Restorative Dentistry Examination

The scope of the Examination

The examination is designed to

- a) test the candidate's knowledge of dentistry and medicine as they pertain to the practice of Restorative Dentistry.
- b) test that the candidate is able to elicit a clear history, symptoms of disease, physical signs and perform basic special investigations.
- c) test that the candidate has a clear, accurate and current knowledge of Restorative Dentistry.
establish that the candidate has sound practical skills for management of patients with complex treatment needs.

The examination will consist of two theory papers, two practicals, two clinicals, two viva voce examinations and the case book presentation. A close marking scheme will be adopted with a range from 7 to 10 marks with 9 as the pass mark. In order to pass the examination a candidate must score a total of 81 marks in the following nine components of the examination. The details of the examination are as follows:

01 Paper I-

This will consist of four essay type questions of which two questions will be in Restorative Dentistry and two will be on Prosthetic Dentistry. Duration : 3 hours

02 Paper II-

This will consist of four essay type questions of which one each will be in Paedodontics and Periodontology. Two questions will be on any two of the Group II subjects (see above). Duration : 3 hours

03 Practical I - Restorative dentistry- Duration : 03 hours

The candidate will have to carry out one of the following practicals:

- a) Preparation of root canals of a molar tooth of a patient above the age of 20 years
- b) Tooth preparation and provision of a temporary jacket crown.

The candidates are expected to select a minimum of two patients for each of these practicals. Following random selection of the practical by the candidate, the examiners will allocate the relevant patient.

04 **Practical II - Prosthetic dentistry** - Duration : 02 hours

The candidate will have to carry out one of the following practicals:

- a) Recording the jaw relationship of a given edentulous patient and transfer the face bow record to an adjustable articulator.
- b) Cast surveying and designing of a partial denture for a given patient.

05 **Clinical I**

- Session I -
- a) Restorative Dentistry.
Duration - 02 hours.
 - b) Oral Medicine & Oral Pathology.
Duration - 01 hour.

Session II - Periodontology
Duration - 02 hours

06 **Clinical II**

- Session I -
- a) Prosthetic Dentistry.
Duration – 02 hours.
 - b) Orthodontics & Oral Surgery.
Duration - 01 hour.

Session II - Paedodontics.
Duration - 02 hours.

The clinicals will consist of history taking, examination and treatment planning of one or more patients or case records from different disciplines. Timing will depend on the circumstances like number of cases and their magnitude, number of candidates etc. The clinicals will be conducted by an internal examiner in the respective specialty and the external examiner.

07 **Viva I**

Restorative Dentistry and Prosthetic Dentistry

This component will be with 4 internal examiners and the external examiner. The candidate will spend 10 minutes with the external examiner and 5 minutes each with internal examiner.

08 **Viva II**

Periodontology, Paedodontics, Oral Surgery and Oral Pathology.

This component will be with 4 internal examiners and the external examiner. The candidate will spend 10 minutes with the external examiner and 5 minutes each with internal examiner.

09 Case book and research presentation.

A half an hour discussion on the case book and the abstract of the outcome of the research project submitted by the candidate- conducted by one internal examiner and the external examiner.

STAGE III - POST QUALIFICATION TRAINING

For the purpose of Board Certification as a specialist in Restorative Dentistry, the candidate is required to undergo further training for a year after successfully completing the MS (Restorative Dentistry) examination.

This will consist of a minimum of one years training under supervision at a centre abroad approved by the Board of Study in Dental Surgery.

The trainee will be board certified once stage III is completed.

EXEMPTIONS

Candidates who have passed Primary FDSRCS examination of any of the Royal Colleges of the UK prior to 01.01.1980 shall be exempted from MS (Dental Surgery) Part I examination.

Candidates who have obtained the MS (Dental Surgery) or MS (Oral Surgery) Part II of the PGIM, University of Colombo will be exempted from the MS (Dental Surgery) Part I examination and the training programme in group II subjects and the Dental Institute / General Hospital Kandy training only.

MASTER OF SURGERY IN ORTHODONTICS

INTRODUCTION:

The following is an outline of the method of selection of trainees, programme of training and examination leading to Consultant (Specialist) status in Orthodontics with the degree of Master of Surgery in Orthodontics. The programme shall consist of three stages with two examinations, namely, the MS (Dental Surgery) Part I and MS (Orthodontics) followed by a supervised training period at approved centres in Sri Lanka and abroad for the purpose of Board Certification.

STAGE I

Stage I is represented by the MS (Dental Surgery) Part I examination. Details of the scope of the MS (Dental Surgery) Part I examination are given in the Prospectus in Dental Surgery

STAGE II - TRAINING PROGRAMME

This is a three year approved training programme.

Eligibility for admission to the training programme:

- (a) MS (Dental Surgery) Part I examination or ;
- (b) Part A of the Diploma in Orthodontics of any of the Royal Colleges of the UK prior to 1.1.1980 or;
- (c) FDSRCS of any of the Royal Colleges in the UK or;
- (d) Diploma in Orthodontics of any of the Royal colleges in the UK

The entire training programme shall consist of 36 months as follows:

- I. A minimum of 30 months continuous full time hospital appointment as Registrar under the Supervision of a Consultant Orthodontist. During the first 12 months the candidates will undergo training in Plastic Surgery, Radiology and Paediatric Units of Teaching Hospitals in rotation one morning per week.
- II. At the end of the second year, the candidates will take rotating appointments for 19 weeks in the Faculty of Dental Sciences, University of Peradeniya as follows:-
 - i. Oral Surgery 2 weeks
 - ii. Oral Pathology 2 weeks
 - iii. Oral Medicine 2 weeks
 - iv. Conservative Dentistry 2 weeks
 - v. Prosthetic Dentistry 2 weeks
 - vi. Periodontology 2 weeks
 - vii. Periodontology 2 weeks
 - viii. Community Dentistry 1 weeks
 - ix. Orthodontics 4 weeks

After successful completion of the training programme the candidates will sit the MS (Orthodontics) Examination, provided that a case book is submitted three months before the examination, vide infra: -

MS (ORTHODONTICS) EXAMINATION

The examination is designed to test skills and competence necessary for a hospital dental consultant in orthodontics, practising in the context of health care delivery in Sri Lanka.

The examination is broad-based and the subjects of the examination are divided into two groups: -

GROUP I: Orthodontics

GROUP II: Areas relevant to orthodontics in Oral Surgery including Maxillo-Facial Surgery, Oral Pathology, Paedodontics, Oral medicine, Radiology, Restorative (Prosthetic and Conservative) Dentistry, Periodontology and Dental material science.

The examinations as follows: -

Group I subjects: -

1. Theory paper of three hours consisting of four theory questions all of which will be on different aspects of Orthodontics.
2. Clinicals -
 - (a) Long case – One hour's duration of examination and discussion
 - (b) Short cases including 'spots'
3. Practical examination will be in two sessions of examinations of three hours duration each.

(NB: The practical examination in Orthodontics will include both removable and fixed appliances.)
4. Oral examination (will include Group II subjects as well)

Group II subjects:-

1. Theory paper of three hours duration consisting of four questions from Paediatric Dentistry, Oral Surgery including Maxillo-Facial Surgery in relation to Orthodontics, Oral medicine, Radiology, Restorative (Prosthetic and conservative) Dentistry, Periodontology and dental materials science.
2. Clinical examination including 'spots'

The scope of the MS (Orthodontics) examination: -

The examination is designed to test the candidate's knowledge of Orthodontics and also Oral surgery, Oral medicine, General surgery, Paediatric Dentistry, Restorative (Prosthetic and Conservative) Dentistry and Radiology as they pertain to the practice of Orthodontics. The candidate should be able to elicit a clear history, symptoms of disease and basic physical signs.

SUBMISSION OF THE CASE BOOK

A casebook encompassing the management of five selected cases under the supervision of the Consultant Orthodontist should be submitted three months before the examination.

The five case reports must include cases in which treatments of different types of malocclusions have been carried out using different types of techniques. The treatment of these cases should be either finished or active appliance treatment should have been completed.

The requirements for a case record book are:

- (1) Recommended use of A4 size paper
The book should be with a hard cover;
- (2) Records should include a full diagnosis and treatment plan of the cases;
- (3) The aims and objectives of treatment should be clearly stated together with the reasons for adopting the methods used.
- (4) Candidate must fully describe the features of the appliance components and give details relating to arch wires used;
- (5) The progress of the cases during treatment should be evident from the records presented and the text should adequately explain the reasons for appliance adjustments together with the method of adjustments and the sequence of treatment changes;
- (6) Problems encountered during treatment must be discussed and an objective commentary given of the results, including if necessary how these results might have differed by adopting alternative treatment plans;
- (7) Cases should be adequately illustrated by either black and white or colour prints showing intra oral (preferably anterior lateral and occlusal) full face and profile views of the patients, before and after treatment and also by additional intra oral illustrations during interim stages of treatment;
- (8) Pre and post treatment study models must also be submitted;
- (9) Radiographs:

- (a) Lateral skull tracings before and after treatment and any relevant stages during the course of treatment;
 - (b) Radiographs thought necessary to diagnose and to record any significant changes;
- (10) Record book should be accompanied by a signed statement from the supervising consultant confirming the trainee's involvement in the treatment of the selected cases.

STAGE III – POST – QUALIFICATION TRAINING

For the purpose of Board certification as specialist Orthodontists the candidates are required to undergo further supervised training of one year, after successfully completing the MS (Orthodontics) examination, at a center abroad approved by the Board of Study in Dental Surgery.

The trainees should submit a certificate from the supervisor concerned to the effect that the required period of training has been satisfactorily completed. The examiners for the MS (Orthodontics) will be nominated by the Board of Study in Dental Surgery. Rules and regulations may be amended as and when necessary and the programme will be reviewed from time to time together with the nature of the examination.

Approved institutions of training are hospitals where Consultant Orthodontists are available, viz.

Dental Institute, Colombo
Faculty of Dental Sciences, University of Peradeniya
Teaching Hospitals of Kandy and Kurunegela.

Other hospitals may be added to this list in future by the Board of Study in Dental Surgery depending on the availability of suitably qualified trainers.

EXEMPTIONS:

1. Candidates who have passed Primary FDSRCS examination of any of the Royal Colleges of the UK prior to 01. 01. 1980 shall be exempted from MS (Dental surgery) Part I examination.
2. Candidates who have obtained the MS (Dental Surgery) Part II of the PGIM, University of Colombo or the final FDSRCS of any of the Royal Colleges in the UK will be exempted from the MS (Dental Surgery) Part I examination and, the training programme in Group II subjects only.
Candidates with the Diploma in Orthodontics RCS (UK) will be exempted from the training programme in Group I subjects only.

Candidates with both FDSRCS and D.Orth RCS qualifications will be exempted from MS (Orthodontics) Part II training programme.

No exemption will be given from the MS (Orthodontics) examination.

MD - Oral Pathology

MD Oral Pathology leading to board certification in Oral Pathology is a five-year course. The candidates are selected to the programme after a screening test. The course consists of two examinations and the training programme has been divided into three stages. Part I examination is held after two years of training in General and Oral Pathology (stage I). The candidates who are successful at Part I examination can proceed to Part II examination after completing two years of training in Oral Pathology (stage II). Stage III programme includes one year overseas training and submission of the casebook. The candidates are entitled for board certification in Oral Pathology after successful completion of stage III.

1. Eligibility

To register for the course leading to MD (Oral Pathology) a candidate should have

A bachelor's degree in Dental surgery, Sri Lanka or an equivalent dental degree registerable with the Sri Lanka Medical Council

and

1.2 minimum of 1 year post-qualification professional experience.

and

1.3 passed the screening test conducted by the PGIM

2. Screening test

The screening test would consist of a multiple choice question paper of two hours duration and a viva voce. Candidate will be examined in the areas of Head & Neck Anatomy, Histology, Dental Anatomy and Histology, principles of General Pathology and Oral Pathology, Physiology, Microbiology and Biochemistry.

3. Course Structure

3.1.Stage I training programme leading to MD Oral Pathology Part I.

This is a two year training programme, one year in General Pathology and the other in Oral Pathology.

3.1.1 General Pathology

At the end of one year training in General Pathology the trainee should be able to:-

- plan infrastructure for routine diagnostic laboratory.
- understand the management structure of a Pathology Laboratory.
- understand the procedure of a post-mortem (should have attended minimum of 10 post-mortem examinations).

- describe macroscopic appearances of specimens and to sample tissue for histopathology.
- correlate microscopic findings with clinical features and to
- understand aetio-pathogenesis.
- interpret the microscopic appearances and order other special
- investigations where appropriate in order to arrive at a definitive
- diagnosis.
- collect samples for cytopathology.
- interpret cytological smears.
- understand basic principles of haematology, chemical pathology
- and microbiology.
- understand basic principles of immunology.

3.1.2 Oral Pathology

At the end of one year training in Oral Pathology the trainee should be able to:-

- understand and carry out all the steps involved in preparation of histological sections from unfixed specimens upto staining procedures.
- understand and carry out all the steps involved in preparation of frozen sections.
- understand and carry out all the steps involved in preparation of sections from hard tissue specimens.
- understand basic principles of immunohistochemistry, immunofluorescence and molecular biological techniques.
- understand the basics of ultrastructural microscopy.
- understand aetio-pathogenesis of diseases in oral and maxillofacial region.
- understand aetio-pathogenesis of systemic diseases which frequently manifest in oro-facial region.
- interpret clinical and radiological findings with microscopic findings.
- describe macroscopic features of Head and Neck specimens in detail and sample tissue from such specimens for histopathological diagnosis.
- draft histopathological reports.
- maintain biopsy register including SNOMED numbering.
- understand the principles of storage of specimens, slides, reports.

3.1.3. Evaluation

Evaluation will be done using close marking system.

3.1.3.1. To be eligible to sit for the Part I examination candidate should have

(a) one year full time training in General Pathology in a centre approved by the PGIM

followed by

(b) one year full time training in Oral Pathology in a centre approved by the PGIM

3.1.3.2 MD (Oral Pathology) Part I Examination

Theory

Essay and MCQ paper (3 hours each) covering the following areas.

- Principles of General Pathology.
- Laboratory management/quality control/hazards.
- Histological techniques including advanced
- diagnostic techniques.
- Aetio-pathogenesis and histopathology of Oral &
- Maxillofacial diseases.
- Basic Microbiology, Haematology, Chemical
- Pathology & Cytopathology.
- Principles of Immunology.

Practical

3 hour Practical Examination in order to evaluate technical, diagnostic and reporting skills.

Viva Voce

20 minutes viva-voce

3.2. Stage II training programme leading to MD Pathology

3.2.1 Oral and Maxillofacial Pathology

This is a two year extensive training programme in Oral and Maxillofacial Pathology including short appointments of 2 weeks duration in Oral Surgery, Oral Medicine and Oral & Maxillofacial Radiology.

In addition to the requirements described in 3.1.2, the trainee should be able to:-

- * describe accurately the biopsy materials at cut-ups, request appropriate processing and staining techniques, identify points at

which specimens get contaminated or mislabeled and be able to rectify them, write accurate and helpful reports to the clinicians with advice on further relevant laboratory investigations, use a recognized diagnostic coding system such as SNOMED and identify cases for referral for special investigations.

- * maintain an all round diagnostic ability for light microscopy for Oral and Maxillofacial diseases and to identify technical faults of sections.
- * interpret histopathological features of Oral manifestations of systemic diseases and suggest relevant investigations.
- * advice clinicians where appropriate on management, recurrence and prognosis of Head and Neck diseases.
- * use light microscope for all purposes including polarized microscope and fluorescence microscope.
- * prepare and interpret frozen sections and advice the clinician appropriately on excision margins for further treatment.
- * to perform immunohistochemical staining procedures and to interpret results of immunohistochemistry, recognize artifacts, identify false positive and negative results and their potential sources.
- * interpret and report on cytological smears.
- * prepare and present materials for clinico-pathological meetings.
- * plan and carryout research projects using pathological materials.
- * establish quality control of histological and cytological preparations.

3.2.2 Evaluation

3.2.1.1 To be eligible to sit for Part II examination the candidate should have

(a). passed the Part I examination or hold a Ph.D in Oral Pathology acceptable to

the Board of Study (dental Surgery) as per criteria given in detailed Prospectus.

and

(b) completed 2 years of full time training in Oral Pathology including prescribed short clinical appointments in centres approved by the PGIM.

and

(c) submit to the Board of Study a report of satisfactory completion of the training programme certified by the candidate's assigned supervisor.

or

(d) Those who were practising in the capacity of Consultants in the field of Oral

Pathology before the commencement of MD Oral Pathology PGIM are

eligible to sit for MD Part II examination.

3.2.3 MD (Oral Pathology) Part II

(a) Theory

A 3 hour essay paper to evaluate knowledge in Oral & Maxillofacial Pathology.

(b) Practical examination

A practical examination to evaluate technical and diagnostic skills.

(c) Short cases - 2 hours duration.

(d) Long cases - 2 hours duration.

(e) Viva-Voce - Half an hour.

3.3 Stage III training leading to Board Certification in Oral Pathology

3.3.1 One year training outside Sri Lanka at a centre of excellence approved by PGIM. The trainee is expected to be exposed to all aspects of diagnostic histopathology including advanced diagnostic techniques.

3.3.2 The candidate should submit a case book comprising of 10 cases for the satisfaction to the Board of study

3.3.3 The candidate should submit reports from supervisors on satisfactory completion of Stage II and III training programmes.

4. To be eligible for Board Certification in Oral Pathology the candidate should

4.1 have passed the Part II examination and have undergone one year training in a centre of excellence outside Sri Lanka, approved by the PGIM. (candidates who come under 2.3.4 will be exempted from post MD training).

and

4.2 have completed a case book to the satisfaction to the Board of study.

Or

4.3 have practiced in Sri Lanka as a reporting consultant Oral Pathologist or at an equal level for more than 8 years before the commencement of MD Oral Pathology (PGIM) and have contributed immensely for the development of the field of Oral Pathology in Sri Lanka. Applicant will be requested to submit a full report supported by documentary evidence to the

satisfaction of the Board of Study (Dental Surgery) on his/her contribution to the field of Oral Pathology.

Exemption from Board Certification

Those who have been working in the capacity of Consultant Oral Pathologists before the commencement of MD (Oral Pathology).

DIPLOMA IN HOSPITAL DENTAL PRACTICE

1. INTRODUCTION:

The Board of Study in Dental Surgery conducts a training programme leading to the Diploma in Hospital Dental Practice (DHDP). The following is an outline of the training programme and examination.

2. ELIGIBILITY:

To register for the course leading to the DHDP the candidate should have:

- a) a dental degree registrable with the Sri Lanka Medical Council.
- b) completed six years of service in the Department of Health Services or the Defence Services (for purposes of promotion from Grade II to Grade I in the Department of Health Services or the Defence Services).
- c) pass a screening examination in hospital dental practice conducted by the PGIM.

3. COURSE:

An eligible candidate should register oneself with the PGIM for the course leading to the DHDP.

The training programme will be conducted at the National Hospital Colombo, the Faculty of Dental Sciences, Peradeniya and other Teaching Hospitals in the country identified for the purpose by the Board of Study in Dental Surgery according to the needs. Lectures will be held in Colombo and at the Faculty of Dental Sciences, Peradeniya. The duration of the course will be one year.

4. EXAMINATION:

The Examination consists of theory papers, a practical , Objective Structured Clinical Examination(OSCE) , Viva voce and a case book.

4.1 THEORY

This part of the examination consists of two (2) written papers, each of two (2) hours duration.

Paper I (Group 1 Subjects) (Duration-2 hours)

Twenty (20) Short Answer Questions distributed as indicated among the following Group I subject areas:

Oral Surgery –	5 questions
Oral Medicine including Oral Pathology-	5 questions
Restorative Dentistry-	5 questions
Prosthetic Dentistry-	5 questions

Paper II (Group II Subjects) (Duration-2 hours)

Twenty (20) Short Answer Questions distributed as indicated among the following Group II subject areas:

Paedodontics–	5 questions
Periodontology-	5 questions
Orthodontics-	5 questions
Community Dentistry including Ethics and Jurisprudence-	5 questions

4.2 PRACTICAL

The practical examination involves endodontic treatment of a maxillary anterior tooth. The duration of the examination is two (2) hours. Each of the following stages will be assessed separately:

- Treatment planning
- Access cavity preparation
- Determination of working length with a radiograph
- Root canal preparation
- Completion of final filling

4.3 OBJECTIVE STRUCTURED CLINICAL EXAMINATION (OSCE)

This part of the examination consists of fifteen(15) OSCE questions (stations) each of five (5) minutes duration. The duration of the examination is 1 hour 15 minutes. The questions will be distributed as follows:

Restorative Dentistry	3 questions
Oral Surgery	2 questions
Oral Medicine/ Oral Pathology	2 questions
Prosthetic Dentistry	2 questions
Paedodontics	2 questions
Periodontology	2 questions
Orthodontics	2 questions

4.4 ORAL EXAMINATION

Viva Voce I

Group I Subjects (See 4.1 above)– 5 minutes in each subject area – Total duration 20 minutes

Viva Voce II

Group II Subjects (See 4.1 above)– 5 minutes in each subject area – Total duration 20 minutes

4.5 CASE BOOK

A case book of 10 cases as representative as possible of the different disciplines of dentistry. The case book must be submitted two (2) months before the date of commencement of the Theory examination.

(A candidate who has failed in the overall examination but has obtained pass marks for the case book may present the same case book at the next two consecutive examinations.)

4.6. MARKS ALLOCATION

The different components of the examination shall be marked as follows:

Theory	Paper I	Out of 100
	Paper II	Out of 100
Practical		Out of 100
OSCE		Out of 200
Oral Examination	Viva voce I	Out of 50
	Viva voce II	Out of 50
Case book		Out of 100
Total marks		700

A candidate must obtain a minimum of 50% of the total marks to pass the examination provided he/she does not obtain less than 40% in any individual component of the examination