

Division of Graduate Dental Studies



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PROSTHODONTIC

Residency Training Programme leading to the degree of Master of Dental Surgery (MDS)

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2 INTRODUCTION

The residency programme in Prosthodontics is a three-year course covering all aspects of Prosthodontics and leading to the degree of Master of Dental Surgery in Prosthodontics. Residents enrolled in this programme will be trained at the Faculty of Dentistry, National University of Singapore and the National Dental Centre.

OBJECTIVES

At the end of the residency training, a resident will -

- 1 have had basic sciences education as a foundation for clinical and technical skill;
- 2 be proficient in diagnosis, planning and treatment of patients with exceptional prosthodontic problems;
- 3 be proficient in laboratory technical skills sufficient to evaluate technical work, communicate effectively with technicians and be able to train others in these skill;
- 4 be effectively interfaced with other specialties and disciplines in the care of patients requiring interdisciplinary therapy; and
- 5 be able to conduct independent research.

3 COURSE CONTENTS

The resident will attend a course in basic medical sciences, advanced fixed partial denture prosthodontics, removable partial and complete denture prosthodontics, maxillo-facial prosthodontics and implant prosthodontics. The course will include clinical and laboratory training and research.

1 Basic Medical Sciences Component

This course will cover the areas of applied basic medical sciences including applied anatomy of the head and neck, detailed knowledge of the oral dental structures, applied physiology, biochemistry, cell and molecular biology as well as an understanding of pathology (including oral pathology), immunology and microbiology. Greater emphasis will be placed on areas related to Prosthodontics.

2 Didactic Course in Prosthodontics

This will cover the areas of applied basic sciences relevant to prosthodontics, advanced fixed and removable partial and complete denture prosthodontics, theories of occlusion, dental materials science, maxillo-facial prosthodontics and dental implants. Lectures on other disciplines, which are related to prosthodontics such as dental radiology, endodontics, oral & maxillo-facial surgery, orthodontics and periodontics, will also be given. There will be also be literature review sessions on various aspects of Prosthodontics and related subjects.

3 Laboratory Training

The resident will be taught advanced fixed and removable prosthodontic technique. This course is conducted to complement the clinical training.

4 Clinical Training

The resident will be trained to diagnose and treat patients with difficult prosthodontic problems and learn to manage patients who require full mouth rehabilitation using fixed and removable prostheses and implant supported prostheses. He will also be exposed to the management of patients needing maxillo-facial prosthesis. The number and type of cases treated will be recorded.

5 Research

The resident is required to complete a research project and defend this thesis as partial fulfilment of the MDS degree in Prosthodontics. Candidates are encouraged to write up projects for publication in refereed journals.

6 Teaching

Candidates will be involved in the teaching of undergraduates in the area of prosthodontics as part of their training.

7 Venues for Training

During the three-year training programme, candidates will be trained at two institutions.

- a Faculty of Dentistry, National University of Singapore
- b National Dental Centre, Singapore

4 EXAMINATIONS

ASSESSMENT

Residents will be assessed annually through:

- 1 written tests
- 2 progress in their clinical performance by their supervisors

A candidate will only be allowed to proceed to the second year subject to favourable performances as assessed by the Committee.

PART I EXAMINATION

The candidate must pass the Part I examination which consists of basic medical sciences related to prosthodontics. The Part I examination will be held in January/February of Year 1. A second examination will be held in May/June of Year 1. Should the candidate fail at the 2nd attempt, he/she will be required to leave the programme.

Candidates who have Part I MDS or its equivalent will be exempted from this examination.

PART II EXAMINATION

The Part II examination will be conducted in June at the end of the three-year programme. Residents will only be permitted to sit for the examination after having met the requirements set by the Committee.

The examination will comprise:-

- 1 2 written papers;
- 2 a clinical examination;
- 3 presentation of a completed case;
- 4 oral examination; and
- 5 defence of thesis

AWARD OF MDS (PROSTHODONTICS)

The degree of Master of Dental Surgery in Prosthodontics will be awarded to the candidate on -

- 1 passing the Part I and Part II examinations; and
- 2 successful defence of thesis.

EQUIPMENT REQUIREMENT

Every candidate is required to own a camera set-up with associated accessories for extra- and intra-oral photography.

5 COURSE OUTLINE

YEAR 1

TERM 1 July - September

- 1 Advanced Prosthodontic Technique
- 2 Seminars – Occlusion
- 3 Practical course on Occlusion
- 4 Course in intra-oral photography
- 5 Literature Review - Occlusion
- 6 **Seminar** – perio/rest topics related to prosthodontics

TERM 2 October - December

- 1 Basic Medical Sciences
- 2 Seminar Occlusion
- 3 Cranio Mandibular Disorders
- 4 Advanced Prosthodontic Seminars
- 5 Literature Review
- 6 Clinical Prosthodontics
- 7 **Seminar** – Ortho/Radiology topics related to Prosthodontics
- 8 Research

TERM 3 January - April

- 1 Seminar – Dental Implants
- 2 Seminar – Maxillofacial Prosthodontics
- 3 Literature Review
- 4 Clinical Prosthodontics
- 5 Research
- 6 Biostatistics Course (Sats)
- 7 Part I MDS Examination (1st exam)

TERM 4 May - June

- 1 Literature Review
- 2 Clinical Prosthodontics
- 3 Research
- 4 **Seminar** – Endo topics related to Prosthodontics
- 5 Annual assessment
- 6 Part I MDS Examination (2nd exam)

YEAR 2

TERM 1 & 2

- 1 Literature Review
- 2 Clinical Prosthodontics
- 3 Research

TERM 3 & 4

- 1 Literature Review
- 2 Clinical Prosthodontics
- 3 Research
- 4 Annual assessment

YEAR 3

TERM 1, 2 & 3

- 1 Literature Review
- 2 Clinical Prosthodontics
- 3 Research
- 4 Part II MDS Examination