

Faculty of Dentistry
Division of Graduate Dental Studies



Faculty of Dentistry

PROSTHODONTIC
Residency Training
Programme
leading to the degree of
Master of Dental Surgery

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COMMITTEE FOR PROSTHODONTICS

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Associate Professor Keson Tan Beng Choon
Clinical Associate Professor Teoh Khim Hean
Adjunct Associate Professor Loh Poey Ling
Dr Chia Ai Ping Vanessa

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, National University Centre for Oral Health 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 skills;
- 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 skills;
- 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 programme comprises courses in basic medical sciences, advanced fixed partial denture prosthodontics, removable partial and complete denture prosthodontics, maxillo-facial prosthodontics and implant prosthodontics. The programme will include clinical and laboratory training and research. There are also core modules taken with other programmes.

1 Core Modules Requirements

The resident will be required to attend core modules that include Advanced Prosthodontic Technique, Clinical Dental Photography, Basic Course in Implantology as well as Biostatistics and Research Methodology. For foreign students, the e-module "*SSM1205 The Nation's Health: Lesson from SARS*" is a requirement.

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, digital dentistry, dental materials science, orofacial pain, dental sleep medicine, maxillo-facial prosthodontics and implant dentistry. Lectures on other disciplines, which are related to prosthodontics such as dental radiology, endodontics,

oral maxillo-facial surgery, orthodontics and periodontics, will be conducted as well. There will 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 techniques in both conventional and digital workflows. This course is conducted to complement the clinical training. The amount of dental alloy used during the Advanced Prosthodontic Technique module will be charged to the resident at a subsidised rate.

4 Clinical Training

The resident will be trained to diagnose and treat patients with complex prosthodontic problems and learn to manage patients who require full mouth rehabilitation using fixed and removable prostheses and implant supported prostheses with an emphasis on cases requiring interdisciplinary care and coordination. The resident will also be exposed to the management of patients needing maxillo-facial prostheses. The number and type of cases treated will be tracked.

5 Research

The resident is required to complete a research project and defend this thesis as partial fulfilment of the MDS degree in Prosthodontics. Research protocols are to be submitted by the end of year one. Residents are encouraged to write up projects for publication in refereed journals.

6 Teaching

During the second and third year, residents 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, residents will be trained at two institutions.

- a Faculty of Dentistry, National University of Singapore and National University Centre for Oral Health
- b National Dental Centre, Singapore

4 EQUIPMENT REQUIREMENTS

Every candidate is required to own a camera set-up with associated accessories for extra and intra-oral photography. The camera set-up will be advised during the Clinical Dental Photography module.

In addition, it is a requirement for all residents to possess a notebook/tablet for access to the digital learning resources of the university.

5 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 next academic year subject to favourable performances as assessed by the Committee.

FINAL MDS EXAMINATION

The Final MDS examination will be conducted in May/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 an Oral Examination

AWARD OF MDS (PROSTHODONTICS)

The degree of Master of Dental Surgery in Prosthodontics will be awarded to the resident on:

- 1 passing Final MDS examination; and
- 2 successful defence of research thesis.

6 COURSE OUTLINE

YEAR 1

TERM 1

July - September

- 1 Advanced Prosthodontic Technique
- 2 Seminar – Occlusion
- 3 Practical Course on Occlusion
- 4 Literature Review - Occlusion
- 5 Course in Intra-oral Photography
- 6 Basic Course in Dental Implantology (Sats)
- 7 Seminar – Perio-Restorative topics related to Prosthodontics
- 8 Seminar – Digital Dentistry

TERM 2

October - December

- 1 Clinical Prosthodontics
- 2 Seminar – Occlusion
- 3 Seminar – Cranio-Mandibular Disorders
- 4 Advanced Prosthodontic Seminars
- 5 Literature Review – Occlusion & CMD
- 6 Biostatistics & GRMM modules
- 7 Basic Course in Dental Implantology (Sats)

TERM 3

January - April

- 1 Clinical Prosthodontics
- 2 Literature Review – Fixed & Removable
- 3 Seminar – Maxillofacial Prosthodontics
- 4 Seminar – Ortho/Radiology topics related to Prosthodontics

TERM 4

May - June

- 1 Clinical Prosthodontics
- 2 Literature Review – Fixed & Removable
- 3 Seminar – Endodontic topics related to Prosthodontics
- 4 Annual assessment (2nd last week)

YEAR 2

TERM 1 & 2

- 1 Literature Review – Fixed & Removable
- 2 Literature Review – Dental Implants
- 3 Clinical Prosthodontics
- 4 TMD Clinic Posting
- 5 Research

TERM 3 & 4

- 1 Literature Review – Fixed & Removable
- 2 Literature Review – Dental Implants
- 3 Clinical Prosthodontics
- 4 TMD Clinic Posting
- 5 Undergraduate Teaching Assignment
- 6 Research
- 7 Annual assessment

YEAR 3

TERM 1 & 2

- 1 Clinical Prosthodontics
- 2 Position Paper
- 3 Undergraduate Teaching Assignment
- 4 Research

Term 3 & 4

- 1 Clinical Prosthodontics
- 2 Research Thesis Defence
- 3 Final MDS (Prosthodontics) Examination