The NUS Orthodontics Residency Training Programme

leading to the qualification of

Master of Dental Surgery (Orthodontics)

from the

Faculty of Dentistry
National University of Singapore

July 2018

INTRODUCTION

The NUS Orthodontics Residency Training Programme is a **3-year full-time course** leading to the degree of **Master of Dental Surgery**.

The Programme is administered at the Faculty of Dentistry by the Division of Graduate Dental Studies and at the National Dental Centre Singapore by the Department of Orthodontics. There is a planned admission of up to six (6) students each year with applications for admission being invited in October.

The Programme commences in July and runs for **47 weeks per academic year**. The coursework consists of clinical and didactic components held at the Faculty of Dentistry and at the National Dental Centre Singapore.

The **mission** of the NUS Orthodontics Residency Training Programme is to train dentists in the science and art of orthodontics and produce orthodontists capable of future professional development to assume leadership in academia and in clinical orthodontics.

In order to produce future leaders in orthodontics, the 3-year Programme **aims** to educate dentists through a rigorous academic, clinical and research programme so as to acquire the foundational knowledge, skills, and behaviours that permit them to reach this potential.

Teachers in the MDS Orthodontics Residency Programme

Programme Director (NUS):	Assoc Prof Kelvin Foong Weng Chiong
Programme Associate Director (NDCS):	Clinical Assoc Prof Mimi Yow
Committee for Orthodontics:	Assoc Prof Kelvin Foong Weng Chiong (Chair) Clinical Assoc Prof Mimi Yow Prof Kenji Takada Dr Hwang Yee Cheau

Teaching at NUS

1. Assoc Prof Kelvin Foong (Programme Director)
2. Prof Kenji Takada
3. Dr Hwang Yee Cheau (Adjunct Senior Lecturer)
4. Dr Tan Hwee Hiang (Adjunct Senior Lecturer)
5. Dr Tan Tzee Jen (Adjunct Senior Lecturer)
6. Dr Arthur Lim (Adjunct Senior Lecturer)
7. Dr Ong Hoe Boon (Adjunct Lecturer)
8. Dr Geraldine Oh (Tutor)
9. Dr Marina Teh (Tutor)
10. Dr Poon Kah Chai (Tutor)
11. Dr Bryce Lee (Tutor)
12. Dr Eugene Loh (Tutor)
13. Dr Seow Yian San (Tutor)

Teaching at NDCS

1. Clinical Assoc Prof Mimi Yow (Programme Associate Director)
2. Clinical Assoc Prof Chew Ming Tak
3. Dr Ivan Lim (Clinical Senior Lecturer)
4. Dr Johanna Choo (Clinical Senior Lecturer)
5. Dr Vivien Tan (Clinical Senior Lecturer)
6. Dr Chng Chai Kiat (Clinical Senior Lecturer)
7. Dr Elaine Tan (Clinical Lecturer)
8. Dr Elaine Wong (Clinical Teacher)
9. Dr Ng Jing Hao (Clinical Teacher)
10. Dr Priscilla Lu (Clinical Teacher)
11. Dr Peh Yew Jia (Clinical Teacher)
12. Dr Song Yi Lin (Clinical Teacher)
13. Dr Woo Mei Yee (Tutor)
14. Dr Enrica Sham (Tutor)
15. Dr Eugene Wee (Tutor)

Objectives of the Orthodontics Residency Programme

The general objective of the Programme is to educate dentists to become future specialists in orthodontics with a solid and broad academic background and adequate clinical experience in different treatment methods.

The graduate should be able to:

- diagnose anomalies of the dentition, facial structures and functional conditions
- detect deviations of the development of the dentition, of facial growth, and occurrence of functional abnormalities
- formulate a treatment plan and predict its course
- evaluate psychological aspects relevant to orthodontics
- conduct interceptive orthodontic measures
- execute treatment for all types of malocclusions
- act as an expert in orthodontics and related matters
- collaborate in multidisciplinary teams for treatment of dentally compromised patients and orthodontic-surgical treatment
- evaluate need for orthodontic treatment
- practise orthodontics with high professional and ethical standards
- comprehensively review, understand, and evaluate the literature pertinent to orthodontics in a wide array of disciplines relevant to the speciality
- formulate a research hypothesis, design a methodological study, conduct the research, and present the findings
- use available opportunities for improving professional skills and lifelong learning

In addition, emphasis is placed on:

- biomedical sciences relevant to orthodontics
- development of a scientific attitude in an inquiring mind
- principles of scientific methodology

The curriculum is based on the guidelines of the updated ERASMUS report on postgraduate education in orthodontics in Europe. The detailed and updated report is published in the *European Journal of Orthodontics (2014); 36:340-349*.