The NUS Orthodontics Residency Programme

leading to the qualification of

Master of Dental Surgery (Orthodontics)

at the

Faculty of Dentistry
National University of Singapore

Programme Director:
Assoc Prof Kelvin W.C. Foong (NUS)

Associate Director:
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Mission and Aim

The **mission** of the NUS Orthodontics Residency 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 Masters of Dental Surgery course **aims** to educate dentists through a rigorous academic, clinical and research programme to acquire the foundational knowledge, skills and attitudes that permit them to reach this potential.

What a NUS ORP graduate can do competently

The general objective of the ORP 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 is competent to:

1. diagnose anomalies of the dentition, facial structures and functional conditions
2. detect deviations of the development of the dentition, of facial growth, and occurrence of functional abnormalities
3. formulate a treatment plan and predict its course
4. conduct interceptive orthodontic measures
5. execute treatment for all types of malocclusions
6. collaborate in multidisciplinary teams for treatment of dentally compromised patients and orthodontic-surgical treatment
7. evaluate need for orthodontic treatment
8. practise orthodontics with high professional and ethical standards
9. comprehensively review, understand, and evaluate the literature pertinent to orthodontics in a wide array of disciplines relevant to the speciality
10. formulate a research hypothesis, design a methodological study, conduct the research, and present the findings

In addition to the above 10 core competencies, the graduate is be able to

11. evaluate psychological aspects relevant to orthodontics
12. act as an expert in orthodontics and related matters
13. use available opportunities for improving professional skills and lifelong learning

In addition, emphasis of learning 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*.