



University of  
Greater Manchester

MSC DEGREE COURSE

# Restorative Aesthetic Dentistry and Periodontology

## QUEENS DENTAL SCIENCES CENTER



### About the Course

The MSc Specialist Practice of Restorative Aesthetic Dentistry and Periodontology is aimed at helping dentists interested in periodontology develop a greater understanding of the subject with specific regard to soft tissue and restorative aesthetics. Many patients requiring extensive restorative rehabilitation also present with varying degrees of periodontal disease which needs to be addressed as part of holistic care fundamental to the long term success of treatment. The modules incorporate and expose students to the very latest digital driven technologies and treatment modalities. Additionally, the course

programme aims to promote an understanding of the different requirements essential to the provision of ethical, safe and evidence-based treatment. On completion of this programme, you will be able to confidently treat restorative cases that include a substantial periodontal element.



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[cl-dentalschool.co.uk](http://cl-dentalschool.co.uk)

## Module Outline



### Patient Assessment and Risk Management

This module is designed to develop an evidence-based approach to patient selection as well as the knowledge and understanding of theory and practice required to recognize and provide advanced level multi-disciplinary treatment modalities and risk assessment. The aim of this module is to highlight potential multi-disciplinary complications in treatment and for you to be able to develop risk assessment strategies to avoid or minimise complication in multi-disciplinary therapy. The practice of predominately elective treatments is one of

the most challenging and complex fields of medicine as it often entails in-depth knowledge of more than one speciality, each having its unique set of complications, which need to be identified and effectively managed. These challenges can range from unacceptable aesthetics and poor treatment outcomes. This module develops knowledge and understanding of the requirements essential to the safe clinical practice and application of advanced treatment modalities and the challenge of long term maintenance issues or complications. As it is not possible to prevent all complications, this module also considers essential management strategies and the ethical issues of informed consent and managing patient expectations.



### Reflective Clinical Practice

As an experienced dental professional, this module will encourage you to critically reflect on your professional clinical and managerial practice in Restorative Dentistry and Periodontology in order to explore questions, which are fundamental to your professional development and eventual dissertation topic. This module requires you to critically evaluate the value of your own knowledge base and to recognise and clarify the important connections between what you already know and what you intend to learn. It encourages information literacy, using contemporary and seminal sources in order to compile a critical evaluation of Restorative Dentistry and Periodontology practice and to allow you to develop strategies to enhance practice.



### Reflective Professional Log

This module encourages you to critically reflect on your professional clinical and managerial practice in a specific field in order to explore questions which are fundamental to your professional development and eventual dissertation topic. The module requires you to evaluate your own knowledge base and to recognise and clarify the important connections between what you already know and what you intend to learn. It encourages information literacy, using contemporary and seminal sources in order to compile a critical evaluation of specialist practice to allow you to develop strategies to enhance your professional development. It will also be possible to arrange for supervised clinical placement of implants on actual patients in Dubai.





## Understanding Research and Critical Appraisal (URECA)

The aim of this module is to help you to develop research skills in order to identify your dissertation topic, make a detailed proposal and plan your research. It will develop the academic skills necessary for your study at Masters' level. This comprehensive module covers clinical statistics, evidence-based practice, critical appraisal, measurement and research design, and explores their specific application in medical research and treatment. You will learn how to formulate realistic research objectives and an appropriate conceptual/analytical framework for your research. You will also learn how to identify, collate and critically review relevant evidence from the literature, and how to make informed decisions about which research philosophies, strategies

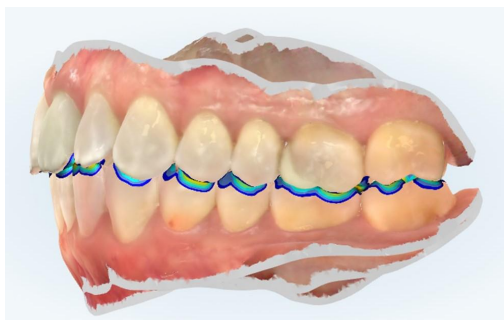
and methods are applicable to your research.



## Aetiology and Diagnosis of Periodontal Disease

This module will allow you to critically reflect on the key causes of periodontal disease, its diagnosis and appropriate treatment modalities. You will identify and critically appraise evidence and theory relating to the management of gingivitis, periodontitis, peri-implant disease and apical periodontitis. You will also critically evaluate potential complications and synthesise risk assessment

strategies to avoid or minimise complication.



## Occlusal Diagnosis and Analysis

Patient aesthetic awareness coupled with the development of new orthodontic techniques, Implant and restorative rehabilitation have increased the number of adults seeking advanced dental treatment. This has increased the likelihood of dentists having to diagnose and treat the occlusion as part of a larger treatment plan. This multidisciplinary module considers the anatomy, aetiology and management of occlusion from an orthodontic and restorative

perspective. The aim of this module is to enable the dentist to effectively diagnose and formulate a treatment plan so that the patient can be treated with a comprehensive multidisciplinary approach.







## Three Dimension Digital Imaging Techniques, Interpretation and Technology

The module provides an introduction to Cone Beam Computer Tomography (CBCT) through a series of practical training sessions on three-dimensional imaging systems and their underlying principles. This module will develop the skills of navigation and interpretation of three-dimensional images. Through this module, you will learn the fundamental technology of CT scans, their advantages and limitations. You will also be taught about the operating and legal requirements applicable to the safe and effective use of radiographic equipment, plus the health and safety issues related to ionising radiation.



## Dissertation

This taught module provides an opportunity to undertake an extended and substantial piece of research. It allows you to synthesise academic knowledge acquired from prior postgraduate and experiential learning to produce an evaluative and critical discussion of a specialist dental topic directly related to your programme of study. It aims to help you to develop your abilities in identifying a problem, establishing its significance, formulating a hypothesis/proposition, designing a means of testing the hypothesis and evaluating the results.



## Admission Criteria

Normally, at least two years of demonstrable postgraduate clinical experience in clinical practice. For the MSc in Clinical Aesthetic Non-Surgical Interventions, entry will also be open to doctors, NMC registered nurses (prescribing), and prescribing pharmacists. Current registration with the UK General Dental Council (GDC), General Medical Council (GMC), Nursing & Midwifery Council (NMC), General Pharmaceutical Council (GPhC) or equivalents in another country. Evidence of appropriate professional liability insurance or medico-legal indemnity insurance, as may be required for the designated clinical setting, at an appropriate level.

