



University of
Greater Manchester

MSC DEGREE COURSE

Dento-Alveolar Surgery

QUEENS DENTAL SCIENCES CENTER



the scope of their implant placement

About the Course

The MSc Specialist Practice of Dento-Alveolar Surgery seeks to increase the general dentists' skills in minor oral surgery and develop competencies. Many straightforward cases requiring minor oral surgery treatment are referred for specialist treatment yet they could and should easily be within the scope of the general practitioner. Apart from teaching basic surgical sciences the programme will teach advanced bone augmentation procedures essential for implant site enhancement. This programme is ideal for general practitioners who want to hone their surgical skills to expand their practice and increase



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Module Outline



Patient Assessment and Risk Management

This module is designed to develop an evidence-based knowledge to patient selection as well as instil the practical skills required to recognise and provide advanced level treatment modalities and risk assessment. The aim of this module is also to highlight potential complications in oral surgery and for students to be able develop risk assessment strategies to avoided and minimise complications. Realistically it is not possible to prevent all complications so management strategies are an essential. As a natural progression from these issues the module will explore the ethical issues of informed consent and managment of patient expectations. The module develops communication skills, organisation and planning, problem solving, treatment planning, risk assessment, ethical responsibility and consent.



Aetiology and Diagnosis

This module will provide a sound understanding of the key causes of diseases of the oral cavity; their diagnoses, associated systemic conditions and appropriate medical treatments and surgical management. Students will conduct literature searches and critically appraise current evidence relating to the management of oral pathology and its evidence based management. Through understanding and the use of appropriate academic resources students will focus on how to incorporate ideas from their reading into an assignment using quotations, paraphrases and references.



Reflective Professional Log

This module encourages the student to critically reflect on their professional, clinical and managerial practice in a specific field in order to explore questions which are fundamental to their professional development and eventual dissertation topic. It requires the student to evaluate their own knowledge base and to recognise and clarify the important connections between what they already know and what they intend to learn. It encourages information literacy, using contemporary and seminal sources in order to compile a critical evaluation of specialist practice to allow them to develop strategies which enhance their professional development.



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.



Reflective Clinical Practice of Oral Surgery

As an experienced dental professional, this optional module requires you to critically evaluate the value of your own knowledge base and to recognise and reflect on the important connections between what you already know and what you intend to learn through evaluation of clinical cases. It encourages information literacy, using contemporary and seminal sources in order to compile a critical evaluation of periodontal practice to allow you to develop strategies to enhance practice. It will also be possible to arrange for supervised clinical placement of implants on actual patients in Dubai.



Three Dimensional Digital Imaging Techniques, Interpretation and Technology

This 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. It 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 learn 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.





Tissue Regenerative and Augmentation Techniques

This module will provide a sound understanding of the key concepts of augmentation of dento-facial soft and hard tissues and help students to develop the practical skills necessary for successful and predictable regeneration of lost tissue. Students will conduct literature searches and critically appraise current evidence relating to the management of tissue defects or diseased tissue. Through understanding and using appropriate academic resources students will focus on how to incorporate ideas from their reading into an essay using quotations, paraphrases and references. This module will also consider potential complications and risk assessment strategies to avoid and minimise complications. The module develops communication skills, organisation and planning, problem solving, treatment planning, risk assessment, ethical responsibility and consent.



Dissertation

This taught module provides an opportunity to undertake an extended and substantial piece of research. It allows you to synthesise the 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.

