



MSc in Restorative & Aesthetic Dentistry

Course Brochure

The MSc in Restorative and Aesthetic Dentistry is shaped by emerging digital technologies, reflecting the growing expectation for dentists to deliver cutting-edge orthodontic and advanced restorative treatments, including implantology and clear aligner therapy.



2026

About The Course

The MSc in Restorative and Aesthetic Dentistry is designed to equip clinicians with the knowledge and skills required to deliver contemporary restorative and aesthetic dental care. Reflecting the rapid evolution of digital technologies, the programme integrates advanced digital workflows, implant dentistry, and clear aligner therapy to support predictable, patient-centred treatment outcomes.

A key focus of the programme is the preservation and management of hard and soft tissues, recognising the fundamental role of periodontal health in successful restorative and aesthetic treatment. By combining evidence-based clinical practice with emerging technologies, the MSc prepares practitioners to provide comprehensive care and achieve long-term functional and aesthetic success for their patients.

Course Title

MSc in Restorative
& Aesthetic Dentistry

Duration

2 Years

Campus

SynTrain Academy &
Approved General Dental
Practices

Attendance

Part Time
1 Day A Month
Lectures/Clinical Practice
Observations

Entry Requirements

Postgraduate BDS or
Equivalent

Fees

Please refer to the website or
back of the brochure

Credits

180 Credits



Main Treatment Learning Outcomes:

- Undertake comprehensive diagnosis and develop structured treatment plans for a broad spectrum of restorative and aesthetic dental cases.
- Design and deliver aesthetic smile rehabilitations, ranging from minimally invasive interventions to complex full-mouth restorative treatments.
- Plan and provide direct and indirect veneer restorations using composite and ceramic materials, optimising aesthetics, function, and long-term predictability.
- Apply evidence-based tooth whitening techniques, tailoring treatment protocols to individual patient requirements and clinical indications.
- Diagnose, monitor, and manage tooth wear through preventive, interceptive, and restorative treatment strategies.
- Deliver predictable fixed prosthodontic treatments, including crowns, bridges, and adhesive restorations, based on sound restorative principles.
- Assess, diagnose, and manage occlusal considerations, applying contemporary concepts to both straightforward and complex rehabilitative cases.
- Integrate implant restorative dentistry into comprehensive treatment planning, restoring single-tooth, multiple-unit, and full-arch implant cases.
- Diagnose and manage endodontic conditions, applying appropriate case selection, treatment planning, and contemporary clinical techniques to achieve successful outcomes.
- Critically evaluate clinical evidence and apply advanced restorative concepts to support predictable, patient-centred treatment outcomes.

Structure

Year One - 1 DAY A MONTH TO INCLUDE:

- Lecture Programme and Practical Clinical Skills Development (Phantom Head Training)
- Supervised Clinical Practice
- Flexible Online Study
- Live Patient Demonstrations

Year Two - 1 DAY A MONTH TO INCLUDE:

- Tutorials with Dissertation Supervisor
- Dissertation Writing



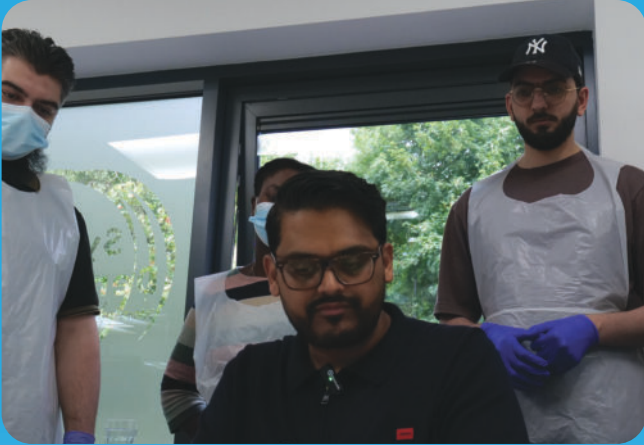
Clinical Practice Rota

As part of your **PART TIME** MSc programme, you will be placed in a University Approved Implant Practice where you will have the opportunity to observe and perform clinical dentistry including dental implant treatment.

The experience you will gain will allow you to meet the requirements of your Clinical Professional Portfolio.

As part of your clinical practice placement, you will:

- Be placed in an Implant Clinic under an Implant Mentor
- The surgery environment will be fully digital with Intra Oral Scanners and CBCT
- You will have an opportunity to take part in implant surgery under direct supervision
- You will have the opportunity to assist in implant surgery and we aim to allow you to place at least 10 implants
- You will complete a Clinical Portfolio



Teaching

As part of your MSc Programme, you will be taught both face to face and online too, to give you flexibility and avoid taking days off work

Clinical Skills Development

The MSc programme is divided into separate modules. This ensures that you complete the requirements of the MSc Learning Outcomes.

As part of your skills development, you will:

- Build on Skills Covering Aspects of Modern-Day Comprehensive Dentistry
- Hands-On Training in Our Purpose-Built Phantom Head Facility
- Comprehensive Experience in Restorative and Aesthetic Procedures
- Live Patient Demonstrations by Experienced Professionals
- Complete a Clinical Portfolio

Clinical Skills Development Timetable

Month 1	Photography/Marketing & Smile Design
Month 2	Occlusion & Splints and Composite Bonding & Anterior Composite
Month 3	Communication and Rubber Dam & Posterior Composite
Month 4	Partial Denture and Complete Denture
Month 5	TSL & Full Mouth Rehabs and Endodontics Day 1
Month 6	Endodontics Day 2 & Post Core and Anterior Crown
Month 7	Posterior Crown and Veneers
Month 8	Bridges & Onlays and Injection Moulding Day 1
Month 9	Injection Moulding Day 2 and Dental Implants
Month 10	Periodontal Restorative and Orthodontic Restorative
Month 11	Live Patient Demonstrations
Month 12	Live Patient Demonstrations
Month 13-24	Understanding Research & Critical Appraisal (URECA) Reflective Clinical Practice Dissertation

The MSc programme is divided into separate modules. This ensures that you complete the requirements of the MSc Learning Outcomes.

The modules are integrated within each of the separate course units. The course is designed in 21 face-to-face days, spread over 2 days a month, to advance the learning of each delegate through the programme.

Unit 1: Photography, Marketing and Smile Design

- Learn how to capture high-quality dental images to showcase clinical work effectively.
- Understand the importance of marketing in dentistry and how it supports practice growth.
- Explore strategies for building a strong online presence through digital platforms.
- Take part in hands-on photography sessions covering intraoral and extraoral shots.
- Develop photography skills for clinical documentation and marketing purposes.
- Create marketing materials such as brochures, flyers and social media content.
- Learn the principles of smile design and how to create aesthetically pleasing smiles.
- Use comprehensive assessment and digital smile design software to plan natural-looking results.
- Analyse smile characteristics and tailor designs to individual patient preferences.
- Build a smile design portfolio to showcase cosmetic dentistry skills.



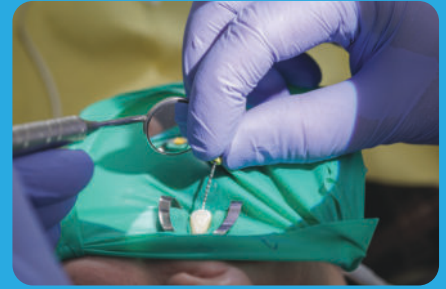
Unit 2 – Occlusion & Splints and Composite Bonding & Anterior Composite

- Learn the fundamentals of dental occlusion and its role in long-term restoration stability and function.
- Understand occlusal principles, examination and diagnosis for successful restorative treatment planning.
- Diagnose and manage occlusal discrepancies and TMD symptoms using different splint designs.
- Gain practical experience in articulator setup and adjustment.
- Develop hands-on skills in occlusal analysis using articulating paper and shimstock.
- Explore both analogue and digital workflows in occlusal assessment.
- Learn the principles of composite bonding and how to bond restorations effectively to tooth structure.
- Understand adhesive systems, bonding protocols and different bonding techniques.
- Practise direct and indirect composite bonding using various adhesive systems.
- Develop skills to create durable, functional and aesthetic composite restorations.



Unit 3 – Communication, Rubber Dam & Posterior Composite

- Learn the importance of isolation and moisture control in posterior composite restorations.
- Understand the step-by-step process of applying rubber dam effectively.
- Master rubber dam isolation techniques for predictable restorative outcomes.
- Practise posterior composite restoration techniques using different layering methods.
- Develop skills in proper composite placement for successful posterior restorations.
- Learn effective communication strategies for dental practice.
- Build rapport with patients, educate them clearly and address their concerns confidently.
- Take part in role-playing exercises and communication workshops.
- Improve patient satisfaction, trust and treatment acceptance through stronger communication skills.



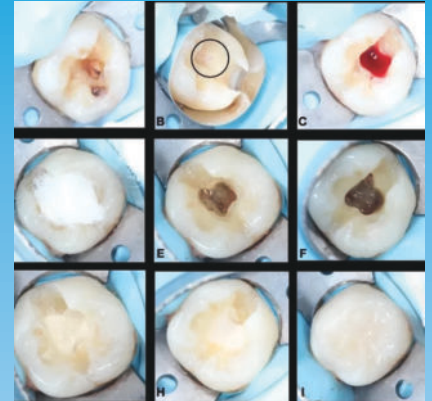
Unit 4 – Partial Dentures and Complete Dentures

- Learn the principles of designing removable partial dentures for partially edentulous patients.
- Understand impression techniques and framework fabrication for partial dentures.
- Gain hands-on experience in partial denture framework design, adjustments and repairs.
- Develop skills to restore function and aesthetics for patients with missing teeth.
- Learn the full process of complete denture fabrication for fully edentulous patients.
- Understand initial assessment, impression taking, denture setup and final prosthesis delivery.
- Practise teeth arrangement, try-in procedures and occlusal refinement.
- Gain practical experience in restoring oral health, function and aesthetics for edentulous patients.



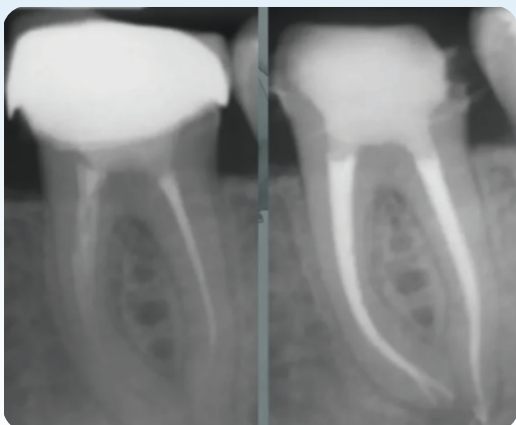
Unit 5 – Full Mouth Rehabilitation, Splint Therapy and Endodontics Day 1

- Learn advanced concepts in full mouth rehabilitation and comprehensive treatment planning.
- Understand the role of temporomandibular splint therapy in complex restorative cases.
- Explore interdisciplinary approaches to restoring function, aesthetics and occlusal harmony.
- Practise temporisation techniques for single-tooth and full mouth rehabilitation cases.
- Complete mock-up exercises to help evaluate and plan complex restorative treatments.
- Develop skills to achieve predictable outcomes in full mouth rehabilitation cases.
- Gain an overview of endodontic principles, diagnosis and treatment planning.
- Learn the fundamentals of root canal therapy, including access cavity preparation, instrumentation and irrigation.
- Practise access cavity preparation and canal negotiation techniques on extracted teeth.
- Build hands-on experience in root canal instrumentation for successful endodontic treatment.



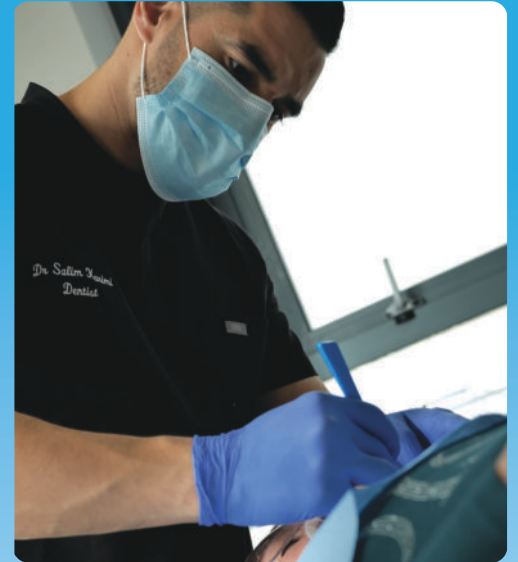
Unit 6 – Endodontics Day 2, Post Core and Anterior Crown

- Build on the foundation from Endodontics Day 1 with more advanced endodontic procedures.
- Learn how to manage complex endodontic cases, including retreatment and apexification.
- Develop skills in post and core restoration techniques for structurally compromised teeth.
- Practise obturation techniques using gutta-percha and different sealers.
- Focus on achieving optimal root canal fillings and durable core restorations.
- Learn the principles of restoring anterior teeth with porcelain crowns.
- Understand tooth preparation, impression techniques and shade selection for anterior crown restorations.
- Practise preparation, temporisation and cementation of anterior crowns.
- Develop proficiency in restoring anterior teeth with functional and aesthetic outcomes.
- Gain hands-on experience in achieving accurate preparation and natural-looking anterior crown restorations.



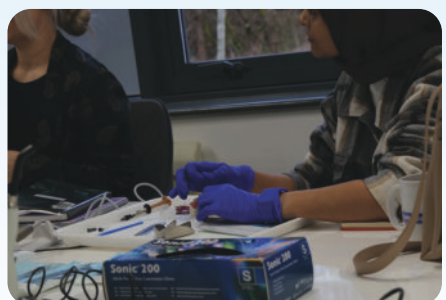
Unit 7 – Posterior Crown and Veneers

- Learn techniques for restoring posterior teeth with porcelain crowns.
- Understand the principles of conservative tooth preparation for posterior crown restorations.
- Practise preparation, temporisation and cementation techniques for posterior crowns.
- Develop skills to ensure proper fit, function and longevity of posterior restorations.
- Focus on achieving optimal occlusion in posterior crown cases.
- Learn the principles of veneer preparation, material selection and cementation.
- Understand how veneers can improve the aesthetics of anterior teeth.
- Practise veneer preparation and cementation techniques through hands-on sessions.
- Develop skills in bonding veneers for durable and aesthetic outcomes.
- Gain practical experience in creating natural-looking veneer restorations.



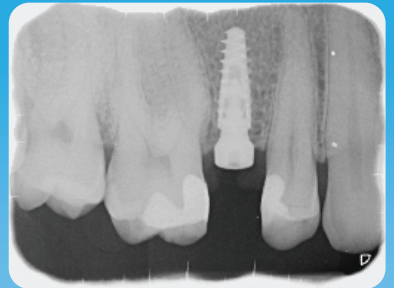
Unit 8 – Bridges, Onlays and Injection Moulding Day 1

- Learn the principles of bridge design, pontic selection and onlay preparation.
- Understand how fixed dental prostheses are used to replace missing teeth and restore occlusal function.
- Practise bridge preparation, fabrication and cementation techniques.
- Develop skills in onlay preparation and cementation for conservative tooth restoration.
- Learn how to manage tooth structure effectively using onlays.
- Understand the fundamentals of injection moulding systems and techniques.
- Learn how injection moulding is used to fabricate provisional crowns and bridges.
- Take part in hands-on injection moulding exercises to create provisional restorations.
- Develop skills in producing accurate and durable provisional restorations.
- Apply injection moulding techniques to a range of clinical situations.



Unit 9 – Injection Moulding Day 2 and Dental Implants

- Build on the skills developed in Injection Moulding Day 1.
- Learn advanced injection moulding techniques for complex provisional restorations.
- Refine skills in crown and bridge fabrication, customisation and cementation.
- Practise creating accurate temporary restorations for challenging clinical cases.
- Develop confidence in providing precise and durable provisional solutions.
- Understand the role of implant dentistry in modern restorative treatment.
- Learn the principles of implant treatment planning, surgical placement and restoration techniques.
- Practise implant placement on models through hands-on exercises.
- Develop practical skills in implant restoration techniques.
- Gain experience in restoring missing teeth with dental implants effectively and predictably.



Unit 10 – Periodontal Restorative and Orthodontic Restorative

- Learn the fundamentals of periodontal assessment, diagnosis and non-surgical periodontal therapy.
- Understand the importance of periodontal health in achieving successful restorative outcomes.
- Develop skills in managing periodontally compromised cases.
- Learn how to integrate restorative interventions into periodontal treatment planning.
- Practise collaborative treatment planning for patients with periodontal and restorative needs.
- Cover key procedures including crown lengthening and gingivectomies.
- Explore the integration of orthodontic treatment with restorative dentistry.
- Understand interdisciplinary approaches to functional and aesthetic treatment planning.
- Learn how to coordinate orthodontic and restorative procedures effectively.
- Practise managing orthodontic cases with restorative interventions.
- Develop skills to achieve comprehensive smile transformations through combined orthodontic and restorative care.



Unit 11 – Live Patient Demonstrations

- Take part in hands-on live patient training at state-of-the-art clinics.
- Learn in a real-world clinical environment designed for advanced restorative and aesthetic dentistry.
- Observe and participate in advanced restorative and aesthetic treatments.
- Gain exposure to treatments including composite bonding, injection moulding, porcelain veneers, full-mouth rehabilitation and implant restoration.
- Build confidence in delivering high-quality patient care.
- Develop practical clinical experience using modern facilities and cutting-edge dental technology.
- Strengthen your understanding of restorative and aesthetic dentistry through supervised live patient training.



Module Outline

Patient Assessment & Risk Management

This module aims to foster an evidence-based approach to patient selection as well as the knowledge and understanding of the theory and practice required to recognise and provide advanced level restorative and aesthetic treatment modalities and risk assessment.

Its objective is to highlight potential restorative and aesthetic complications in treatment and for you to be able to develop risk assessment strategies to avoid or minimise these complications in restorative and aesthetic therapy. The practice of predominately elective treatments is one of the most challenging and complex fields of medicine as it often entails an in-depth knowledge of more than one speciality with each having a unique set of complications that need to be identified and effectively managed.

The challenges you may face can range from unacceptable aesthetics and poor treatment outcomes to irreversible surgical trauma to vital structures and potentially life-threatening haemorrhage.

This module enhances your understanding of the requirements and skills essential to the safe clinical practice and application of advanced treatment modalities, as well as the challenge of long-term maintenance issues or complications.

Recognizing that not all complications can be prevented, the module also addresses essential management strategies, ethical considerations related to informed consent, and the management of patient expectations.

You will develop skills in communication, organization, planning, problem-solving, treatment planning, risk assessment, ethical responsibility, and securing consent.



Reflective Clinical Practice

The module aims to cultivate reflective practitioners by fostering the development of innovative and reflective thinking alongside problem-solving skills. Reflective practice serves as a vital tool for enhancing clinical judgment and building medical expertise, encouraging a thoughtful and evidence-based approach to clinical care.

The module requires students to formulate and justify their own patient centred treatment plans with illustrated case reports. The module affords the opportunity to demonstrate knowledge and understanding of a specialist treatment modality and reflect on learning experiences and competencies gained from various treatment modalities relevant to their dissertation topic.

Students will also need to consider how their practices and attitudes have evolved and changed over time because of these experiences. Case reports will be used for them to reflect on treatment outcomes so helping them to identify connections between intended and actual outcomes achieved and how they may be improved upon.



Understanding Research & Critical Appraisal

This module is designed to help you develop the research skills necessary to identify your dissertation topic, create a detailed proposal, and plan your research effectively. It will equip you with the academic skills required for Master's level study.

The module encompasses key areas such as clinical statistics, evidence-based practice, critical appraisal, measurement, and research design, with a focus on their specific applications in medical research and treatment.

You will learn how to formulate realistic research objectives and establish an appropriate conceptual and analytical framework for your study.

Additionally, you will acquire skills in identifying, collating, and critically reviewing relevant literature, enabling you to make informed decisions regarding the research philosophies, strategies, and methods best suited to your project.



Occlusal Diagnosis and Analysis

Patient awareness of aesthetics, along with advancements in orthodontic techniques, implantology, and restorative rehabilitation, has led to a rise in adults seeking advanced dental treatments.

As a result, dentists are increasingly tasked with diagnosing and managing occlusion as part of broader treatment plans. This multidisciplinary module examines the anatomy, etiology, and management of occlusion from both orthodontic and restorative viewpoints.

Its goal is to equip dentists with the skills to accurately diagnose occlusal issues and develop comprehensive treatment plans that facilitate a multidisciplinary approach to patient care.



Computer Assisted Design and Fabrication of Restorations, Guides and Appliances (CAD/CAM)

This module provides a comprehensive evaluation of cutting-edge computer-aided design and manufacturing (CAD/CAM) technologies utilized in digital dentistry. It aims to equip participants with hands-on experience in using commercial CAD/CAM systems. Participants will develop a foundational understanding of CAD software and gain practical competence in its application.

The module also introduces image-capturing technologies, exploring their indications and integration into the digital workflow. Detailed instruction on commonly used software for treatment planning and the design of restorative appliances and surgical guides is included. Participants will have the opportunity to apply CAD software in real-life cases, critically assessing its functionality and application across various treatment modalities. Additionally, the module covers CAM processes, highlighting appliance fabrication using advanced hardware such as milling and 3D printing technologies.

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 offers the opportunity to conduct an extended and significant research project. It enables you to synthesize the academic knowledge gained from your previous postgraduate studies and practical experiences to create an evaluative and critical discussion on a specialist dental topic directly related to your program.

The module aims to enhance your skills in identifying a problem, determining its significance, formulating a hypothesis or proposition, designing a method for testing the hypothesis, and evaluating the results.

MSc Key Features

1. Face-to-face teaching delivered from modern advanced facilities at the SynTrain Academy Campus in Bolton
2. Clinical Hands-On Training in a Phantom Head Skills Lab
3. A personal academic coach will provide regular online tutorials to support learning and guidance through course modules on a one-to-one basis. The coaches are there to help you as needed to ensure your success.
4. Adjunctive programmes, supplemental formative courses which support your compulsory modules and deliver live regular interactive clinical training.
5. Clinical Attachments in Dental Practice where you will be treating patients.

What's Included In The MSc?

	Postgraduate Diploma In Restorative & Aesthetic Dentistry HANDS-ON	Postgraduate Diploma In Restorative & Aesthetic Dentistry DISTANCE LEARNING	MSc Degree In Restorative & Aesthetic Dentistry HANDS-ON	MSc Degree In Restorative & Aesthetic Dentistry DISTANCE LEARNING
Unit 1: Photography/Marketing & Smile Design	Included	Included	Included	Included
Unit 2: Occlusion & Splints and Composite Bonding & Anterior Composite	Included	Included	Included	Included
Unit 3: Communication & Rubber Dam & Posterior Composite	Included	Included	Included	Included
Unit 4: Partial Denture & Complete Denture	Included	Included	Included	Included
Unit 5: TSL & Full Mouth Reabs and Endodontics Day 1	Included	Included	Included	Included
Unit 6: Endodontics Day 2 & Post Core & Anterior Crown	Included	Included	Included	Included
Unit 7: Posterior Crown & Veneers	Included	Included	Included	Included
Unit 8: Bridges & Onlays and Injection Moulding Day 1	Included		Included	
Unit 9: Injection Moulding Day 2 & Dental Implants			Included	Included
Unit 10: Periodontal Restorative & Orthodontic Restorative			Included	Included
Unit 11: Live Patient Demonstrations			Included	Included

Course Fees

	Fees (Inc VAT)	Advance to MSc (Inc VAT)	Total Fees Paid (Inc VAT)
Postgraduate Diploma In Restorative & Aesthetic Dentistry HANDS-ON	£24,256	£5,420	£29,336
Postgraduate Diploma In Restorative & Aesthetic Dentistry DISTANCE LEARNING	Refer to website	Refer to website	Refer to website
MSc Degree In Restorative & Aesthetic Dentistry HANDS-ON	£29,336		£29,336
MSc Degree In Restorative & Aesthetic Dentistry DISTANCE LEARNING	Refer to website		Refer to website

Payment Terms

Payments can be made upfront/finance options available

Enquire Now - Call or WhatsApp on 07840 607695

**MSc Degree In
Restorative
& Aesthetic Dentistry**

**Patient Assessment &
Risk Management**

Management of Aesthetics and Digital Smile Design

**Three-Dimensional Digital Imaging
Techniques, Interpretation & Technology**

Occlusal Diagnosis & Analysis

Reflective Clinical Practice

**Understanding Research &
Critical Appraisal (URECA)**

Dissertation



**Exit Here With A
Postgraduate
Diploma**



**Exit Here With A
Master of Science
Degree**

Basis of the syllabus

NHS Guide For Commissioning Oral Surgery

Level 1 Procedures and Conditions

- Extraction of erupted teeth, including uncomplicated erupted third molars.
- Assessment and appropriate referral of unerupted, impacted, ectopic, and supernumerary teeth.
- Extraction of buried roots, including fractured or retained root fragments where appropriate.
- Investigation, diagnosis, and initial management of oral mucosal diseases.
- Early recognition and referral of patients with suspected pre-malignant or malignant lesions via the urgent two-week referral pathway.
- Management of dental trauma, including re-implantation of avulsed teeth.
- Management of post-extraction haemorrhage.
- Diagnosis and treatment of localised odontogenic infections and post-operative surgical complications using appropriate therapeutic agents.
- Recognition and urgent referral of patients presenting with major odontogenic infections.
- Diagnosis and initial management of craniofacial pain disorders, including temporomandibular disorders, and identification of patients requiring specialist care.

Level 2 Procedures and Conditions

- Surgical removal of uncomplicated impacted third molars requiring bone removal.
- Surgical removal of buried roots and fractured or retained root fragments.
- Management and surgical removal of uncomplicated ectopic and supernumerary teeth.
- Surgical exposure of teeth, including the placement of orthodontic brackets or chains where indicated.
- Surgical endodontic procedures (apicectomy).
- Minor oral soft tissue surgery for the excision of clinically non-suspicious lesions, including submission for histopathological examination and diagnosis.

Admissions Criteria

Entrants must satisfy the following entry requirements:

Normally at least two years' demonstrable postgraduate clinical experience in clinical practice as a:

- Qualified dental practitioner
- Current registration with the UK General Dental Council (GDC) or equivalent in another country
- Evidence of appropriate professional liability insurance/Medico-legal indemnity insurance as may be required for the designated clinical setting at an appropriate level
- Access to clinical practice setting that gives enough exposure to the relevant area of clinical specialism

Apply for a Student Scholarship

At The University of Greater Manchester, we understand that pursuing education can come with financial challenges. To support individuals in need, we've introduced a scholarship scheme specifically for clinicians.

This program is designed to provide financial assistance and help make education more accessible.

Scholarship Specifications

Each year, a limited number of scholarships are available through our student scholarship scheme. These scholarships provide up to £5,500 towards the cost of Postgraduate education.

Eligibility Criteria:

- Students enrolled in a Postgraduate program.
- Students who have completed an accredited Postgraduate Diploma course are also eligible to apply.
- Students must have a current registration with the UK General Dental Council (GDC) or equivalent in another country.

Terms & Conditions:

- **Validity Period:** If successful, the scholarship is valid for a limited period to allow other candidates the opportunity to apply. Each scholarship offer is valid for 3 months from the date of award.
- **Program Eligibility:** Scholarships are available exclusively for select MSc and Postgraduate Diploma programs.

