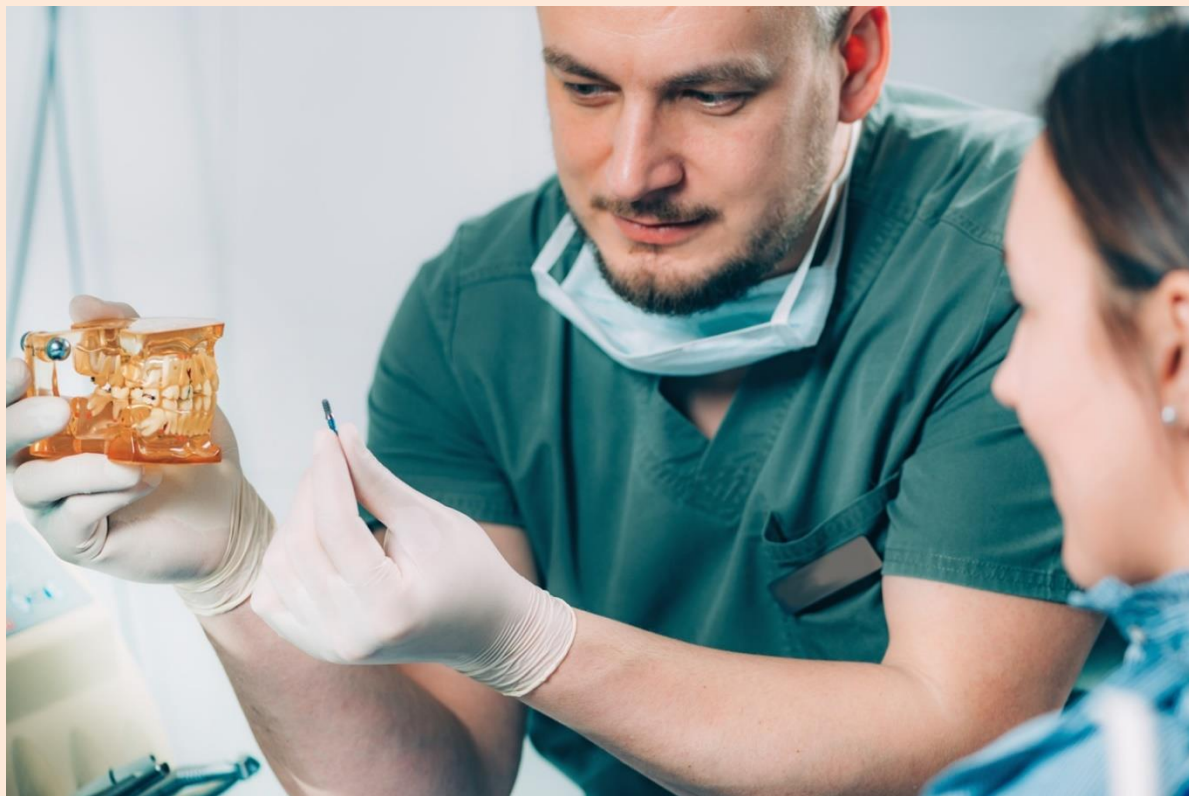


Postgraduate Diploma in Dental Implant Reconstructive Surgery

APPLICATION HANDBOOK 2022/23



Course Leader
Professor Jag Dhanda
jagtar.dhanda@nhs.net

Course Co-ordinator
Heidi Taylor
DentalImplantSurgery@bsms.ac.uk

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Introduction

This course aims to enable dentists to acquire advanced skills and knowledge in the field of implant dentistry.

The course is unique in that it will use a local faculty of clinicians with national and international reputation in implant dentistry to provide a mentoring facility for clinical hands-on practice. Utilisation of work-based assessments, with early hands-on experience, will be used to deliver an individualised programme of training based on competency assessments. This will allow for progression in a programme that is able to be tailored to the student's needs.

This new course and the first dental postgraduate program at BSMS, draws upon the experience of senior and established Dental Implant Surgeons and restorative specialists in Kent, Surrey and Sussex.

The course adopts an individualised approach in surgical training, with mentoring, utilising work-based assessments (WBAs) and direct observed procedural skills (DOPS) so that delegates will be able to rapidly progress to more advanced techniques after successfully completing their competency-based assessments.

Aims and Learning Outcomes for the Course

Aims

The Aim of the course is to develop the core knowledge and skills necessary to safely carry out dental implant reconstructive surgery by drawing appropriately on sound clinical procedures, scientific evidence and patient - centred practice in the clinical management of dental implants.

Learning Outcomes

Upon successful completion of the programme, you will be able to:

1. Demonstrate **a comprehensive** evidence-based knowledge in dental implant surgery techniques and **effective** management of the patient journey.
2. Demonstrate **a systematic** understanding of more advanced and **emerging techniques at the forefront of implant reconstructive dentistry.**

3. Apply critical analysis to multi-professional and inter-professional clinical practice **communicating findings and conclusions to a range of stakeholders.**
4. **Apply critical thinking and make sound judgement in the assessment, diagnosis, documentation and treatment options for patients requiring dental implants, developing the clinical skills to facilitate a safe clinical practice.**
5. **Demonstrate a systematic understanding of the practical aspects of surgical reconstructive techniques adopted in implant dentistry, making sound judgement based on complexed data.**
6. **Identify and critically evaluate applications of advanced surgical and emerging techniques at the forefront of implant and reconstructive dentistry.**
7. Critically appraise, synthesise, and evaluate research relating to advanced and emerging techniques in implant dentistry, **identifying how that research is used to create new knowledge in the discipline.**

Transferable Skills

Upon successful completion of the programme, students should be able to:

1. Access and search different databases and sources of literature and data
2. Analyse and synthesise data
3. Use evidence appropriately to inform clinical practice
4. Demonstrate professional writing and presentation skills
5. Demonstrate advanced levels of communication in clinical and non-clinical settings
6. Develop and submit research proposals
7. Negotiate research ethics and governance procedures
8. Relate clinical knowledge and judgment to complex organisational priorities
9. Communicate and work effectively with colleagues from different disciplines

Entry Requirements

Applicants should have a dental degree (or international equivalent) and be registered with the

General Dental Council (or international equivalent). Normally, applicants will have a minimum of two years' experience as a General Dental practitioner.

Applications are welcomed from International students with appropriate qualifications and experience. Students for whom English is not a first language must demonstrate an acceptable standard of comprehension and communication in the English Language (IELTS; minimum overall score of 7.0 and 7.0 in the writing element).

The BSMS Postgraduate Induction Day will take place remotely on **September 26th 2022***, for all successful applicants and you are strongly recommended to attend.

*The date & location are subject to change

Course Structure

Year 1: Postgraduate Diploma in Dental Implant Reconstructive Surgery (60 credits):

Module	Status
MDM191 Patient Assessment, Treatment Planning, Principles of Surgery, and Implant Surgery.	Mandatory (20 credits)
MDM192 Occlusion and Restorative Perspectives of Implant Dentistry.	Mandatory (20 credits)
MDM193 Bone Preservation, Bone Grafting and Soft Tissue Techniques.	Mandatory (20 credits)

Year 1: Clinical Attachment 1

Students will attend clinical attachments which will include experience at General Dental Practice or Specialist Practice, the Queen Victoria Hospital (phantom heads), and the Brighton and Sussex Medical School anatomy department for cadaveric dissection. This experience will be throughout the whole year and will include clinical exposure to simple

cases in a dental practice environment and observation of more complex cases treated with multidisciplinary approaches in a dental practice and hospital environment. After a period of observation and assessment on phantom heads, students will participate in the various clinical stages (assessing, treatment planning and preparation for surgery) with subsequent surgical placement of a dental implant in at least six patients over the year. This will be followed with construction of a provisional prosthesis if required with eventual placement of a definitive restoration. Students will initially observe and after assessment of competency by treating patients requiring simple and complex implant placement.

Year 2: Postgraduate Diploma in Dental Implant Reconstructive Surgery (120 credits):

Module	Status
MDM194 Managing Partially Dentate and Edentulous Cases.	Mandatory (20 credits)
MDM180 Dental Implant Reconstructive Surgery- Emerging Techniques in Dental Surgery.	Mandatory (20 credits)
MDM195 Maintenance and setting up your practice.	Mandatory (20 credits)

Year 2: Clinical Attachment 2

The advanced clinical attachment will involve experience in dental practice environments, specialist practices, Queen Victoria Hospital and University of Brighton Medical School. The student is expected to develop the skill acquired from the first year. During these sessions' students will have exposure to and participation in simple bone grafting techniques and have observed complex bone grafting techniques including sinus lifts. The students will have observed other advanced techniques including management of edentulous and partially dentate cases, immediate placement, guided surgery, advanced soft tissue management, free tissue grafts and other mucogingival surgical techniques. The student will be expected to carry out implant placement with mentorship during this period and submit these cases in a portfolio of the clinical practice attachment with a clinical case report write up.

Period of Registration

The *maximum* period of registration for courses is as follows:

PG Dip: 4 years as part time.

Module Descriptions

Patient Assessment, Treatment Planning, Principles of Surgery, and Implant Surgery (MDM191).

The module aims to systematically develop key aspects of patient assessment that influence clinical decision-making in the context of dental implant surgery and develop the skills required to initiate a range of appropriate investigations needed for patient assessment and treatment planning in dental implant surgery, differentiating between simple and complex cases.

Occlusion and Restorative Perspectives of Implant Dentistry (MDM192).

The module aims to develop the advanced knowledge and skills necessary to use dental implants to replace missing dentition and oral tissues with fixtures of appropriate number, position and angulation to deliver provisional and definitive implant-retained or -supported prostheses. As well as develop the ability to formulate appropriate advanced treatment plans for implant prostheses, while working as part of a multi-disciplinary team and using advanced imaging techniques, taking account of potential complications and long-term maintenance

Bone Preservation, Bone Grafting and Soft Tissue Techniques (MDM193).

The module aims to develop a critical understanding of the various principles and techniques used for bone preservation, augmentation and guided bone regeneration at and before implant placement and demonstrate a range of guided and advanced surgical techniques. As well as develop the knowledge necessary to formulate appropriate treatment plans for implant supported fixed prostheses across a range of cases, including assessment of bony and gingival biotype and special tests for treatment planning in complex cases including the principles of immediate and delayed implant placement and loading protocols.

Managing Partially Dentate and Edentulous Cases (MDM194).

The module aims to develop a critical understanding of the principles of assessing and planning complex cases and to formulate appropriate treatment plans for implant retained or supported fixed prostheses, while working safely as part of a multi-disciplinary team. As well

as develop advanced implant placement techniques which provide distant skeletal anchorage in the pterygoid and zygomatic regions, applying advanced radiographic techniques, CT planning software and prosthodontic knowledge to edentulous cases, removing septic foci within the dental arch where appropriate.

Maintenance and setting up your practice (MDM195)

The module aims to develop the advanced knowledge and skills necessary to run and market a successful implant practice, incorporating required clinical diagnostics, record keeping, radiology and restorative techniques within multi-disciplinary and administrative teams, including the role of the oral hygienist. **As well as** to develop appropriate and effective infection control techniques and support for surgical procedures, restorative rehabilitation and post-operative care.

Dental Implant Reconstructive Surgery- Emerging Techniques in Dental Surgery (MDM180)

The module aims to facilitate dentists and other dental clinicians with the theoretical and practical skills required to utilise new techniques in implant placement.

Course Timetable

Year 1:

Module Code/Title	Module Leader	2022/23 Dates
MDM191 Patient Assessment, Treatment Planning, Principles of Surgery and Implant Surgery.	Prof. Jag Dhanda	Sat 1 st Oct 22 Fri & Sat 16 th & 17 th Dec 22 Fri & Sat 6 th and 7 th Jan 23
MDM192 Occlusion and Restorative Perspectives of Implant Dentistry.	Dr Dev Patel	Fri 3 rd Feb 23 Fri & Sat 3 rd & 4 th Mar 23 Fri & Sat 17 th & 18 th Mar 23
MDM193 Bone Preservation, Bone Grafting and Soft Tissue Techniques.	Dr Bola Soyombo	Fri & Sat 23 rd & 24 th Jun 23 Fri & Sat 7 th & 8 th Jul 23 Fri 21 st Jul 23

Year 2:

Module Code/Title	Module Leader	2023/24 Dates
MDM194 Managing Partially Dentate and Edentulous Cases	Dr Hrisith Choksi	TBC

MDM180 Dental Implant Reconstructive Surgery- Emerging Techniques in Dental Surgery.	Dr Jaimini Vadgama	TBC
MDM195 Maintenance and setting up your practice.	Dr Sammy Darwish	TBC

The University reserves the right to cancel modules for any reason it deems sufficient and to alter programmes without notice. In the event of such cancellations, the full fee will normally be refunded.

If you have any queries about module dates or module choices, please do not hesitate to contact the course co-ordinator for further information.

Fees

For fee enquiries please contact fees@brighton.ac.uk or telephone: **01273 642449**.

Teaching and Learning Methods

Teaching methods encompass lectures, whole group discussions, small group discussions, critical appraisal workshops, individual project work, simulations and individual tutorials.

Maintaining employment throughout the course ensures the transfer of knowledge and skills from the course into the workplace.

As with all Masters courses, there is a considerable degree of independent study. Classroom based learning will constitute approximately 20% of total learning hours with the remaining 80% hours made up of independent learning.

Assessment

MDM180 Dental Implant Reconstructive Surgery- Emerging Techniques in Dental Surgery

A 3,000 word case study providing critical analysis.

MDM191 Patient Assessment, Treatment Planning, Principles of Surgery and Implant Surgery

A 3,000 word case study providing critical analysis.

MDM192 Occlusion and Restorative Perspectives of Implant dentistry

A visual case presentation to respective peers providing critical analysis.

MDM193 Bone preservation, bone grafting and soft tissue techniques

A visual case presentation to respective peers providing critical analysis & a direct observed procedural skills (DOPS) and clinical assessments utilising OSCE will be mandatory.

MDM194 Managing Partially Dentate and Edentulous cases

A visual case presentation to respective peers providing critical analysis & a direct observed procedural skills (DOPS) and clinical assessments utilising OSCE will be mandatory.

MDM195 Maintenance and Setting up your practice

A 3,000 word case study providing critical analysis

How to Apply

Please apply online via the following link: <http://www.bsms.ac.uk/postgraduate/apply-now>

If you have any further questions please contact the Course Co-ordinator via the email address on the cover page.