PG Diploma
Restorative &
Aesthetic Dentistry

Programme Brochure
Introduction

Smile Dental Academy’s ethos is to educate and energise the dental profession, through postgraduate dental education.

Smile Dental Academy places the utmost importance on education and therefore allows patient care to be current and to the best possible standard.

At Smile Dental Academy we strive to create a safe, respectful, and supportive environment that allows our delegates to flourish and grow.
PG Diploma Restorative & Aesthetic Dentistry

The programme comprises a 1-year Modular Course where you will have the opportunity to undertake cases in your practice.

The Programme fosters relationships between experienced practitioners and the PG Diploma Restorative & Aesthetics Dentistry programme delegates.

Delegates will have personalised programs and goals set that require completion during the course.

The programme is a hands-on course and will cover Restorative & Aesthetic topics seen in General Dental Practice encompassing all major disciplines. Delegates will partake in organised sessions where cases and ongoing treatments can be discussed in a safe, friendly and constructive environment.

The PG Diploma Restorative & Aesthetic Dentistry provides 168 hours of verifiable CPD. The programme is quality assured with developmental learning outcomes for the module days in line with GDC guidance.
PG Diploma Restorative & Aesthetic Dentistry

Postgraduate Certificate in Restorative & Aesthetic Dentistry
168 Hours of CPD
24 structured modules over 12 months
Case Portfolio & Logbook
Comprehensive lecture handouts
Practical step-by-step clinical protocol worksheets
Smile Dental Academy Clinical Excellence Guide
Automatic Enrolment into Smile Dental Academy Forum
Every module is hands-on
Every module will cover the legal aspects, consent and record keeping

Portfolio
Case Portfolio and Viva

Cases to be completed in your practice:

- Anterior Composite
- Posterior Composite
- Anterior Crown
- Posterior Crown
- Denture Case
- Endodontic Case
- 1 Multi-disciplinary Case

Reflective Learning Log

Reflective practice achieved by the constant process of analysing, constructively criticizing and evaluating your work during modular days.

Personal Development Plan (PDP)

As part of this Programme, delegates will have ongoing coaching sessions throughout, enabling them to answer their own individual ‘WHY?’ are they doing this programme. They will outline their ‘SMART’ goals, develop a learning plan and execute a robust action plan. Delegates will have sessions to help direct them towards further development past the boundaries of this programme.

Modules
1. Occlusion in General Dental Practice
2. Aesthetic and Restorative Artistry 1: Direct Anterior Composites
3. Aesthetic and Restorative Artistry 2: Direct Posterior Composites
4. Smile Transformation Masterclass: Veneers & Tooth Whitening
5. Art & Science of Indirect Restorations 1: Anterior
6. Art & Science of Indirect Restorations 2: Crowns & Onlays
7. Endodontic Masterclass
8. Bridges & Implants
9. Art & Science of Dentures
10. Tooth Surface Loss
11. Patient Management and Communication
12. Digital Photography, Records, Smile Design & Tooth Whitening
13. Advanced Occlusion
14. TMD & Occlusal Splint Therapy
15. Diagnostic & Functional Waxing
16. Aesthetic & Restorative Artistry 3: Direct Anterior Smile Makeover
17. Art & Science of Indirect Restorations 3: Anterior Aesthetic Rehabilitation
18. Art & Science of Indirect Restorations 4: Posterior Aesthetic Rehabilitation
19. Dental Implants – Restorative & Aesthetic Interface 1
20. Dental Implants – Restorative & Aesthetic Interface 2
21. Orthodontic & Restorative Interface
22. Periodontal & Restorative Interface
23. Art and Science of Complete Dentures
24. Advanced Endodontic Masterclass
Module 1

Occlusion in General Dental Practice

The role of occlusion in general dental practice
The ideal occlusion
Conformative versus Re-organised approach
Importance of diagnostic wax-ups in treatment planning
TMJ assessment
How to take a good impression
Importance of mounted casts in treatment planning
Facebow, Lucia Jig construction and RAP records
Splint therapy

**Practical Session**
Alginate impression taking
TMJ screening examination
Taking a facebow record
Constructing a Lucia Jig
Taking a RAP record

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**Module 2**
Restorative and Aesthetic Artistry 1:
Anterior Composite Restorations

- Properties of composite restorations
- Dentine bonding agents
- Biomimetic principles of anterior tooth restoration
- The importance of anterior diagnostic wax ups and matrices
- Composite handling and placement techniques
- Anatomy of anterior teeth

GDC Developmental Learning Outcome A C D
Layering techniques
Finish and polishing
Composite staining

**Practical Session**
Rubber dam skills for anterior composites
Anterior composite restorations
Direct composite veneer restoration

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Module 3

**Restorative and Aesthetic Artistry 2:**
**Posterior Composite Restorations**

Properties of composite restorations
Dentine bonding agents
Concept of Minimally Invasive Dentistry
Biomimetic principles of posterior tooth restoration
The importance of posterior diagnostic wax ups
Composite handling and placement techniques
Anatomy of posterior teeth

GDC Developmental Learning Outcome A C D
Layering techniques
Finish and polishing
Composite staining

**Practical Session**
Rubber dam and sectional matrix placement
Posterior upper molar composite restoration
Posterior lower molar composite restoration
Posterior direct composite onlay

Module 4
**Smile Transformation Masterclass: Veneers & Temporisation**

Two-handed preparation and bur selection
Immediate Dentine Sealing
Cement selection
Step by step guide
Temporisation

**Practical Session**
Veneer preparations and temporisation
Module 5
Art & Science of Indirect Restorations 1: Anterior

Indications for anterior cuspal coverage indirect restorations
Case selection and restorative material considerations
   Anterior crown designs
   Two-handed preparation and bur selection
   Immediate Dentine Sealing
   Cement selection
   Soft tissue management and retraction techniques
Step by step guide – Preparation, Impressions, Try in, Temporisation & Cementation

Practical Session
Module 6

Art & Science of Indirect Restorations 2: Crowns and Onlays

Indications for posterior cuspal coverage indirect restorations
Case selection and restorative material considerations
Tooth restorability index
Posterior crown designs; Partial versus full coverage restorations
Immediate Dentine Sealing
Cement selection
Soft tissue management and retraction techniques

Practical Session
Posterior full cuspal coverage preparations (Crowns and Onlays)
- Gold
• Emax
• PFM
• Zirconia
• Composite

Posterior partial cuspal coverage preparation
• Gold
• Emax
• Composite

Fabrication of provisional restorations

GDC Developmental Learning Outcome A, C, D

Module 7

Endodontic Masterclass

Apical pathology; biological considerations and its management
Endodontic diagnosis and pain management
Access cavity design
Balanced force and patency filling concepts and techniques
Use of nickel titanium instrumentation
Hand instrumentation versus Rotary nickel titanium preparation
Current obturation techniques
Radiography in endodontics
Endodontic treatment – follow-up, success and failures
Rationale and techniques for re-treatment
Practical session

Hand-file preparation techniques
Rotary nickel titanium preparation techniques
Obturation techniques
Case based discussion on success and failure

Module 8

Bridge & Implants

Bridges
Principles of fixed prosthesis design (Conventional versus Adhesive)
Pontic design
Restorative material considerations
Step by step guide

Implants
Implant-retained prostheses – biology and mechanics
Implant-retained prostheses treatment planning
Aesthetic considerations and soft tissue management
Restoring dental implants – step-by-step protocols

GDC Developmental Learning Outcome A, C, D
Module 9

Art & Science of Dentures

Partial Dentures
Principles of partial denture design
Importance of surveying casts
Rest seat preparations
Milled crowns
Precision attachments

Complete Dentures
Impression techniques and special tray design/modification
Biometric guides
Tooth positioning and set-up
Try-in and jaw registration techniques
Overdentures – The rationale and preparation of root surfaces
Impression material selection
Practical Session
Treatment planning clinical cases – group work
Surveying casts
Tooth modification for removable partial dentures
Rest seat preparation
Guide plane preparation

GDC Developmental Learning Outcome A, C, D

Module 10
Tooth Surface Loss

Aetiology of tooth surface loss
Diagnosis and management of tooth surface loss
Restoration of anterior guidance
Increasing the Occlusal Vertical Dimension
The Dahl Concept
Management of tooth surface loss (anterior and posterior considerations)
Restorative material considerations
Step by step guide to tooth wear cases

Practical Session
Tooth wear treatment planning exercises
Full mouth direct composite restorations
Indirect preparations on worn teeth
- Gold
- Emax
Module 11
Patient Management & Communication

Dentist–Patient Communication
  Fee setting
  Referral pathway – complexity guidelines
  Dealing with failures and trouble shooting
  Managing difficult patients
  Post-operative care
  Maintenance recalls

Practical Session
  Role Play: Dentist–Patient Communication
  Role Play: Dealing with failure
  Group exercise – case based fee setting
Module 12

Digital Dental Photography, Smile Design, Records & Tooth Whitening

Tooth Whitening
Understanding properties of colour in aesthetic dentistry
Aesthetic shade analysis, Shade guides and shade matching devices
External and internal tooth whitening techniques

Smile Design
Aesthetic and functional treatment planning
Smile aesthetic variables and analysis
Smile Design Protocols and principles

Digital Dental Photography
Use of DSLR and Macro Photography
Module 13
Advanced Occlusion

Revision of terminology
Occlusal analysis
Re-organising occlusion – step by step protocols
Revision of Facebow records
Mounting casts on Articulator
Use of Articulators and different types
Lucia jig and Centric record construction

Practical Session
Occlusal analysis
Lucia Jig construction
Centric Record construction
Articulators and Mounting
Module 14
TMD & Occusal Splint Therapy

TMJ assessment and anatomy revision
Introduction to TMD
Diagnosis of TMD
Management of TMD
Occlusal splints – uses, prescription, construction and fit

Practical Session
Waxing an occlusal appliance on individual articulated study casts
Lab prescription for an occlusal splint
Module 15
Diagnostic & Functional Waxing

Principles of Functional waxing
Review anterior and posterior tooth anatomy
Management of tooth surface loss

Importance of anterior guidance
Anterior functional and aesthetic waxing
Posterior functional waxing
Prescription of restorations

Practical Session
Functional waxing of anterior teeth to provide anterior guidance
Functional waxing of posterior teeth
Module 16

Aesthetic & Restorative Artistry 3: Direct Anterior Smile Makeover

- Biomimetic principles of anterior tooth restorations
- Composite handling and placement techniques
- Revision of anatomy of anterior teeth
- Layering techniques
- Use of diagnostic wax ups in multiple anterior tooth restorations
- Step by step protocol for multiple direct anterior tooth restorations
- Step by step protocol for multiple indirect anterior tooth restorations
- Management of tooth surface loss

Practical Session

- Production of matrices and memosil stents
- Direct multiple direct anterior composite restorations
Module 17

Art & Science of Indirect Restorations 3: Anterior Aesthetic Rehabilitation

Case selection: Full coverage vs veneers
Restorative material considerations: Full coverage vs veneers
Multiple Anterior crown and veneer designs
Immediate Dentine Sealing
Cement selection
Soft tissue management and retraction techniques
Management of tooth surface loss

Practical Session
Multiple Anterior indirect preparations
PFM crown
Emax crown
Zirconia crown
Veneers
Fabrication of Provisionals
Module 18

Art & Science of Indirect Restorations 4: Posterior Aesthetic Rehabilitation

Case selection: Full coverage vs onlays
Restorative material considerations: Full coverage vs onlays
Management of tooth surface loss
Multiple posterior crown and onlay designs
Immediate Dentine Sealing
Cement selection
Soft tissue management and retraction techniques

Practical Session
Multiple posterior indirect preparations
PFM crown
Emax crown and onlay
Zirconia crown
Gold crown and onlay
Fabrication of Provisionals
Module 19
Dental Implants: Restorative & Aesthetic Interface 1

Assessment criteria for patient selection
To review implant treatment planning
  To review implant design
To understand single implant placement techniques

Practical Session
Implant placement on models
Module 20

Dental Implants: Restorative & Aesthetic Interface 2

Material selection in implant restorations
Implant provisional restoration techniques
Try-in and final fit techniques of prosthetic components
Complications in implant restorations
Aesthetic considerations in implant dentistry
Step by step protocols of restoration of single and multiple implants

Practical Session
Fixture head impressions – single and multiple
Module 21
Orthodontic & Restorative Interface

Role of orthodontics in restorative dentistry
Restorative options post-orthodontic treatment
Use of orthodontics in gingival aesthetics
Orthodontic treatment options – fixed versus clear therapy

Practical Session
Group work – clinical case assessment and treatment planning

GDC Developmental Learning Outcome C
Module 22

Periodontal & Restorative Interface

Periodontal concepts in restorative dentistry
Periodontal examination and treatment in patient management
  Understanding the importance of Soft tissue management
  Aesthetic and biological considerations for restorations
  Indications for aesthetic and functional crown lengthening

Practical Session
Pigs head crown lengthening practical
Module 23
Advanced Endodontic Masterclass

- Review concepts of root canal therapy
- Fundamentals of re-root canal treatments
- Selection of materials and instruments for re-root canal treatments
- Identification and management of complications in re-root canal treatments

Practical Session
- Single root re-root canal treatments
- Multiple root re-root canal treatments
Module 24
Art & Science of Complete Dentures

Review impression materials for complete dentures
Use of Facebow and articulators in complete dentures
Importance of biometric guides
Introduction to tooth set up for complete dentures
Review of jaw registration and try in techniques

Practical Session
Complete denture tooth set up
Further Information

Please feel free to contact us if you have any further questions:
Email: info@smiledentalacademy.com
Website: www.smiledentalacademy.com