

PG Diploma
Restorative &
Aesthetic Dentistry

SMILE
DENTAL ACADEMY



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 182 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 Diploma in Restorative & Aesthetic Dentistry

182 Hours of CPD

24 structured modules over 12 months

2 Bonus Sessions

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 (Dr Kushal Gadhia)
2. Aesthetic and Restorative Artistry: Direct Anterior Composites (Dr Dipesh Parmar)
3. Rubber Dam & Direct Posterior Composites (Dr Harmeet Grewal)
4. Smile Transformation Masterclass: Veneers (Dr Jin Vaghela & Dr Kish Patel)
5. Art & Science of Indirect Restorations 1: Anterior (Dr Pranay Sharma)
6. Art & Science of Indirect Restorations 2: Crowns & Onlays (Dr Pranay Sharma)
7. Endodontic Masterclass (Dr Neha Patel)
8. Bridges & Implants (Dr Sumair Khan & Dr Victor Gehani)
9. Art & Science of Dentures (Dr Pranay Sharma)
10. Tooth Surface Loss (Dr Kish Patel & Dr Jin Vaghela)
11. Patient Management and Communication (Dr Ali Chohan & Dr Jin Vaghela)
12. Digital Photography, Records, Smile Design & Tooth Whitening (Dr Jin Vaghela & Dr Kish Patel)
13. Advanced Occlusion (Dr Kushal Gadhia)

14. TMD & Occlusal Splint Therapy (Dental Technician Drumil Shah)
15. Diagnostic & Functional Waxing - Anterior (Janos Mako)
16. Diagnostic & Functional Waxing - Posterior (Janos Mako)
17. Aesthetic & Restorative Artistry: Direct Anterior Smile Makeover (Dr Riccardo Ammanato)
18. Art & Science of Indirect Restorations: Anterior Aesthetic Rehabilitation (Dr Riccardo Ammanato)
19. Treatment Planning in General Practice (Dr Basil Mizrahi)
20. Dental Implants – Restorative & Aesthetic Interface (Dr Sumair Khan)
21. Orthodontic & Restorative Interface (Dr Pratik Sharma)
22. Periodontal & Restorative Interface (Dr Reena Wadia)
23. Art and Science of Complete Dentures (Dr Finlay Sutton)
24. Advanced Endodontic Masterclass (Dr Neha Patel)
25. Case Based Treatment Planning (Bonus Session)
26. Quick Straight Teeth Accreditation (Bonus Session)

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

GDC Developmental Learning Outcome A C D

Module 2

Restorative and Aesthetic Artistry: 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

Layering techniques

Finish and polishing

Composite staining

Practical Session

Rubber dam skills for anterior composites

Anterior composite restorations

Direct composite veneer restoration

GDC Developmental Learning Outcome A C D

Module 3

Rubber Dam & Posterior Composite Restorations

Rubber Dam applications
Techniques for effective rubber dam use
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
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

Anterior crown preparations

- PFM
- Emax
- Zirconia

Fabrication of provisional restorations

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

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

Practical Session

Conventional bridge preparations

Adhesive bridge preparations

Provisionalisation

Planning implant placement

Hands-on familiarisation with the restorative aspect of implant dentistry

Placement of dental implants

Restoration of dental implants

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

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
- Composite

Fabrication of provisional restoration

GDC Developmental Learning Outcome A, C, D

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

GDC Developmental Learning Outcome A, B, D

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

GDC Developmental Learning Outcome A, B, C, D

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

GDC Developmental Learning Outcome B, C

Module 14

TMD & Occlusal 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

GDC Developmental Learning Outcome B, C

Module 15

Diagnostic & Functional Waxing: Anterior

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

GDC Developmental Learning Outcome B, C

Module 16

Diagnostic & Functional Waxing: Posterior

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

GDC Developmental Learning Outcome B, C

Module 17

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

GDC Developmental Learning Outcome C

Module 18

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

GDC Developmental Learning Outcome C

Module 19

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

GDC Developmental Learning Outcome C

Module 20

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 21

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

GDC Developmental Learning Outcome C

Module 22

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

GDC Developmental Learning Outcome C

Module 23

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

GDC Developmental Learning Outcome C

Module 24

Treatment Planning in General Practice

Staging treatments
Costing of treatment
Case based discussion on cases
Structuring appointments
Clinical stages to treatment planning
Complexity Guidelines and when to refer

GDC Developmental Learning Outcome C

Module 25 – Bonus Session

Case Based Treatment Planning

Discussion of staging of treatment planning
Group exercise of current cases
Workflow of cases in practice
Practical element of planning complex treatments
Cost implications
Clinical Treatment Planning

GDC Developmental Learning Outcome C

Quick Straight Teeth Accreditation – Bonus Session

Bonus Practical session on Fixed Orthodontics

Further Information

Please feel free to contact us if you have any further questions:

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