

## Online Blended

### PG Dip (level II), Advanced Course in Restorative & Aesthetic Dentistry

#### Learning Objectives and GDC Development Outcomes

##### **M1 Appraisal of the Dental Literature, Clinical Techniques & Dental Materials Module**

###### Learning Objectives

- Be able to critically appraise the dental literature, techniques & materials and understand its importance in clinical practice and improving patient care
- Understand evidence based medicine & dentistry & the hierarchy of evidence and its importance in clinical practice
- Understand the limitations and relevance of evidence based dentistry
- Gain experience of critical appraisal of the dental literature

GDC Development Outcomes: A, B, C, D

##### **M2 Contemporary Advanced Treatment Planning Module**

###### Learning Objectives

- Be able to undertake a systematic risk based diagnosis and co-diagnosis in a complex case
- Understand patient communication/consent in multidisciplinary treatment planning in clinical practice
- Understand reasons for the failing dentition & comprehensive risk based diagnosis in clinical practice
- Gain experience of treatment planning exercises in relation to complex cases

GDC Development Outcomes: A, C, D

##### **M3 Advanced Clinical Occlusion and TMD Module**

###### Learning Objectives

- Understand the relevance of functional anatomy of the masticatory system & assessment of TMJ, muscle health & occlusal disorders in clinical practice
- Understand envelopes of function and relevance in clinical practice
- Understand the management of TMD (temporomandibular) & occlusal disorders in clinical practice
- Understand treatment of the restricted envelope of function/anterior interference in clinical practice
- Understand the role of splints in the treatment of occlusal & TMD disorders in clinical practice
- Understand the role of occlusal adjustment in the treatment of occlusal & TMD disorders in clinical practice
- Understand occlusal equilibration, its limitations, indications and consent/communication issues in clinical practice
- Understand the clinical relevance of centric relation as the key to reorganising the occlusion in clinical practice
- Be able to record centric relation with the Lucia jig & bimanual manipulation in clinical practice
- Understand the use of bimanual manipulation to record centric relation & increase the OVD in advanced tooth wear in clinical practice

- Be able to record centric relation with long term deprogrammers & passive muscle contraction in clinical practice
- Understand myogenic neuromuscular recording of centric relation and its limitations
- Be able to record centric relation with leaf gauges in clinical practice
- Be able to understand centric relation recording with a long term deprogrammer & use of the restorative splint in clinical practice
- Be able to undertake a restorative splint in a night parafunctional cases in clinical practice and appreciate limitations and difficulties
- Be able to undertake the use of a restorative splint in an advanced tooth wear cases to control CR & OVD prior to restorative treatment
- Be able to undertake a custom incisal guidance table in clinical practice and appreciate its role and limitations
- Be able to use a diagnostic wax up & chair side provisional restorations to control the OVD/CR in a complex cases in clinical practice

GDC Development Outcomes: A, C, D

#### **M4 Complex Treatment Module**

##### **Learning Outcomes**

- Be able to understand patterns, prevalence & prevention of tooth surface loss & the various restorative treatment strategies in clinical practice
- Be able to undertake treatment of localised anterior tooth surface loss & the Dahl concept using direct composite & palatal shims in clinical practice
- Be able to undertake treatment of generalised tooth surface loss involving composite, crowns & onlay/inlays in clinical practice and understand when to use each treatment
- Be able to undertake treatment of generalised tooth surface loss involving over/onlay dentures in clinical practice
- Be able to design advanced partial dentures in clinical practice
- Be able to undertake precision crowns to aid denture retention & stability in clinical practice
- Be able to undertake flexible partial dentures in clinical practice
- Understand aesthetic aspects of dentures in clinical practice
- Be able to understand the use and relevance of the coping / telescopic denture in clinical practice
- Be able to understand the use and relevance of the locator precision attachment in clinical practice
- Be able to understand the use and relevance of the magnetic precision attachment in clinical practice
- Be able to understand the use and relevance of subcopings / telescopic crowns in clinical practice
- Appreciate the shortened dental arch concept & restorative treatment strategies when it fails
- Appreciate maintenance, communication and consent issues in the complex case

GDC Development Outcomes: A, C, D

## **M5 Advanced Implantology Module**

### **Learning Objectives**

- Understand when to save or extract, teeth
- Understand survival/success of implants and indications/contraindications
- Understand biologic & aesthetic based implant selection for long term functional & aesthetic stability in clinical practice
- Understand risk based aesthetic implant assessment in clinical practice
- Understand implant aesthetic & bone quality classification and its relevance in clinical practice
- Understand the role CBCT and in 3D implant planning & general applications in clinical practice
- Understand abutment & crown selection for single implants in the aesthetic zone in clinical practice
- Understand restorative & aesthetic aspects of the anterior implant bridge in clinical practice
- Understand implant assisted dentures in clinical practice
- Understand restorative, material, functional & occlusal considerations in the full arch implant case in clinical practice
- Appreciate implant maintenance issues in clinical practice and patient compliance, communication and consent
- Understand occlusal issues in implant dentistry and how to plan implant occlusions in clinical practice
- Understand the restorative strategy for linking teeth & implants in clinical practice and its limitations
- Understand the use of orthodontic implants in clinical practice
- Understand and be able to communicate consent issues in implant cases

GDC Development Outcomes: A, C, D

## **M6 Orthodontic Interface Module**

### **Learning Objectives**

- Understand the restorative interface with orthodontics
- Appreciate the role of short term orthodontics in the restoration of occlusion and aesthetics
- Understand the use of long term conventional orthodontics in complex cases with occlusal, aesthetic, restorative and implant interfaces
- Understand Short Term Orthodontics and the role of the GDP including consent and communication issues
- Understand the implant interface with orthodontics

GDC Development Outcomes: A, C, D

## **M7 Advanced Bridgework & Bioclear L3.0 & L4 Composite Module**

### **Learning Outcomes**

- Appreciate the importance of the functional, aesthetic diagnostic wax up in the complex case in clinical practice
- Understand the stages complex crown, bridge, implant & aesthetic case with endodontic & occlusal issues in clinical practice
- Understand the stages in hemisection bridge & crown in clinical practice
- Understand the stages in using the natural tooth as a pontic in adhesive bridgework in clinical practice
- Understand the problem of last standing tooth in clinical practice
- Appreciate the laboratory stages in restorative and aesthetic dentistry and effective laboratory communication
- Be able to understand and execute aesthetic treatment planning for direct composite Veneers on compromised or previously restored maxillary incisors
- The Bioclear Method
- Be able to understand modern tooth preparation with radius/infinity margins
- Be able to understand the Direct Veneer Bioclear Matrix selection and adaptation
- Be able to understand heating and injection molding of composite materials
- Be aware of the Clark 2-step Polish technique
- Be able to understand how to rebuild fractured teeth to produce longer lasting, stronger, and aesthetically superior composites in clinical practice
- Be able to understand the Modified Hall Technique and modern Clark cavity design in clinical practice
- Be able to understand treatment of the adjacent tooth with the Opportunistic Class II restoration in clinical practice
- Be able to understand deep marginal acquisition of Class II composite restorations in clinical practice
- Be able to understand Direct Composite Overlay design and restoration in clinical practice
- Be able to understand the Bioclear and Biofit Matrix selection and adaptation
- Be able to understand how to produce longer lasting and stronger posterior composites in clinical practice

GDC Development Outcomes: A, B, C, D

## **M8 Video Demonstrations**

### **Learning Objectives**

- Be able to undertake a TMD examination in clinical practice and appreciate its clinical relevance
- Be able to undertake an occlusal examination in clinical practice and appreciate its clinical relevance
- Understand the role and be able to fabricate splints & deprogrammers in clinical practice
- Be able to undertake a face bow record & model mounting in ICP in clinical practice
- Appreciate the role and features of semi-adjustable articulator in clinical practice
- Be able to undertake accurate alginate impressions in clinical practice
- Be able to undertake a centric relation registration in clinical practice
- Be able to undertake model mounting in CR in clinical practice

GDC Development Outcomes: A, C