

**Online Blended**

**PG Cert (level 1), Course in Restorative & Aesthetic Dentistry**

**Learning Objectives and GDC Development Outcomes**

**M1 Non-Surgical Periodontal Module**

**Learning objectives**

- An understanding of the current status of restorative and aesthetic dentistry in the UK and changing treatment patterns and future needs
- An understanding of the BPE (basic periodontal examination), indices, the diagnosis and monitoring of periodontal disease
- An appreciation of the role and methods of co-diagnosis in patient conversation, motivation and consent
- A system for rapid risk based periodontal examination in clinical practice
- An insight into current opinions on links with systemic health and how to discuss this with patients
- An understanding of evidence based current treatment options and what represents periodontal stability in clinical practice
- An understanding of what periodontal diagnostic and treatment protocols to introduce into your clinical practice
- An over view of peri-implantitis, avoidance and treatment in clinical practice
- Experience of perio : restorative treatment options and planning in clinical practice

GDC Development Outcomes: A, C, D

**M2 Aesthetic & Surgical Periodontal Module**

**Learning objectives**

- An understanding of the latest theories on the biologic width and why some patients experience recession/inflammation and communication issues
- An understanding of how to assess the biologic width and minimise aesthetic complications in clinical practice
- An understanding of surgical crown lengthening procedures for correction of gummy smile, asymmetry and clinical crown height/ferrule in clinical practice
- Practical experience of crown lengthening procedures and stages
- A knowledge of socket preservation and the ovate pontic technique for soft tissue handling in the aesthetic zone
- A knowledge of aesthetic periodontics including root coverage procedures and gingival masks in clinical practice
- An understanding of the role of lasers and electro -surgery in restorative and aesthetic procedures
- Practical experience of electro -surgery techniques

GDC Development Outcomes: A, C D

### **M3 Aesthetic Foundations Module**

#### **Learning objectives**

- Knowledge of how to undertake a risk based rapid, detailed aesthetic assessment in clinical practice
- An understanding of consent issues and minimally restorative/aesthetic invasive dentistry
- An understanding of the clinical stages in the aesthetic: restorative case to increase aesthetic predictability
- Appreciate the role and limitations of cosmetic imaging
- Understand the role of colour, shade, value, translucency, surface texture, dentine shades and tooth form in shade matching and aesthetic dentistry
- Appreciate the role of customising characterisation and tooth form in successful shade matching and aesthetic dentistry
- Understand how to communicate colour, shade, value, translucency, surface texture, dentine shades and tooth form to the laboratory
- Understand the role of gingival porcelains in compromised aesthetic cases
- Practical experience of aesthetic assessment
- Practical experience of laboratory communication for shade, value, translucency, surface texture and dentine shading in aesthetic dentistry
- Practical experience of current shade taking devices
- Knowledge of how to identify the high risk aesthetic case
- Knowledge of the treatment options in restorative: aesthetic dentistry including whitening, orthodontics, composite bonding or indirect restorations
- An understanding of home, non-vital and power whitening in clinical practice
- Appreciate the medico-legal aspects and how to maximise success in whitening

GDC Development Outcomes: A, C, D

### **M4 Anterior Posterior Aesthetics Module**

#### **Learning objectives**

- Understand the role of the diagnostic wax up as the key to functional and aesthetic success in clinical practice
- An understanding of how to use 'prep through' and silicone indices to minimise tooth removal in clinical practice
- An understanding of how to temporise veneers and undertake predictable veneer bonding in clinical practice
- An appreciation of the risk factors for veneer failure, patient selection and consent issues
- An understanding of the various veneer preparation techniques in clinical practice
- The Bioclear Method background and method
- Be able to understand Biofilm removal
- Be able to understand modern anterior cavity design with radius/infinity margins in clinical practice
- Be able to understand the anterior Bioclear Matrix selection and adaptation for deep Class III, black triangle closure, diastema closure, reshaping of undersized teeth in clinical practice
- Be able to understand Heating and injection molding of composite materials in clinical practice
- Be aware of the Clark 2-step Polish technique in clinical practice

- Be able to understand how to produce longer lasting, stronger, and aesthetically superior composites in clinical practice
- Understand modern science of posterior composite restorations
- Be able to understand how to modernize G. V. Black cavity design to Clark modern posterior cavity design in clinical practice
- Be able to understand the Bioclear and Biofit Matrix selection and adaptation in clinical practice
- Be able to understand current crown and bridge materials and their indications and limitations in their use
- Be able to undertake successful all ceramic, metal ceramic, gold crown and bridge preparations in clinical practice
- Be able to undertake successful short term and long term provisional restorations
- Be able to select the appropriate crown/bridge material and recognise the inherent risks in currently available materials
- Be able to appropriately select an inlay, onlay or crown in clinical practice
- Appreciate current aesthetic and functional core and post materials and techniques for vital and non-vital teeth in clinical practice
- Be able to undertake successful adhesive bridge techniques in clinical practice
- Understand advanced bridge techniques including large span, coping and fixed moveable bridges in clinical practice
- Appreciate how to minimise complications and failure in fixed prothodontics
- Be able to assess risk in abutment selection in clinical practice
- Be able to select appropriate cements in clinical practice
- Be able to undertake predictable accurate impressions in clinical practice
- Be able to undertake inlay and onlay preparations and predictable temporisation in clinical practice
- Appreciate the importance of and how to achieve the ferrule effect

GDC Development Outcomes: A, C, D

## **M5 Occlusion Module**

### Learning objectives

- An understanding of the features of the 'ideal occlusion' and how to examine the occlusion
- An understanding of the features and role of articulators in restorative and aesthetic dentistry in clinical practice
- An understanding of the facebow transfer and its importance
- Be able to undertake an accurate facebow record in clinical practice
- Be able to mount study models on the articulator in clinical practice
- Be able to undertake an occlusal analysis
- An understanding of the principles of successful occlusion for the GDP and
- Be able to rapidly assess occlusal/TMJ disorders and recognise their importance in patient care
- Appreciate current evidence based concepts in the treatment of occlusal/TMJ disorders (including bruxism)
- Understand the role of splints (anterior deprogrammer, flat plane, soft bite guard and restorative/michigan) in occlusal/TMJ disorders (including bruxism)
- An appreciation of when to conform to the existing occlusion or reorganise
- Understand the importance of centric relation as the foundation for the reorganised approach

GDC Development Outcomes: C, D

## **M6 Complex Treatment Module**

### Learning objectives

- An understanding of the role of comprehensive but rapid risk based patient assessment as the basis for successful clinical dentistry
- A system for rapid risk based patient communication in clinical practice
- The role of risk based patient assessment in increasing patient co-diagnosis and reducing complications/increasing predictability
- An understanding of the importance of intra-oral cameras and clinical photography in contemporary dental practice
- An appreciation of point and shoot cameras versus digital SLR
- Knowledge of the important photographic views required and their importance in aesthetic based treatment
- Practical experience of risk based treatment planning
- Practical experience of clinical photographic techniques
- An appreciation of risk analysis in deciding saveable, questionable or teeth that require extraction
- An appreciation of when to endodontically treat or progress to implant treatment and risk factors for endodontic/implant treatment
- An understanding of current evidence based preventative strategies for caries, tooth surface loss and periodontal disease and be able to implement these into your clinical practice
- An understanding of restorative/aesthetic treatment planning exercises
- An understanding of internal marketing methods and attracting new patients to your practice
- An appreciation of the risk based patient consultation and case presentation for new patients
- An understanding of the aetiologies of tooth surface loss and importance in predicting prognosis
- The treatment of localised tooth surface loss, 'The Dahl concept' in clinical practice

- An understanding of the role of direct composite, onlays and overdentures in the treatment of tooth surface loss in clinical practice
- An understanding of the role of aesthetic dentures in partially dentate patients
- An understanding of predictable precision attachments in restorative dentistry
- An understanding of restorative/aesthetic treatment planning exercises
- An understanding of the indications and limitations of clear aligners, short term orthodontics, lingual and comprehensive orthodontics
- An appreciation of the aesthetic and functional benefits of orthodontics and aesthetic/functional adjunctive role in restorative aesthetic dentistry
- An understanding of the aesthetic aspects of Implantology in clinical practice
- An appreciation of restorative aspects of Implantology in clinical practice

GDC Development Outcomes: A, C, D