

Learning Objectives for modules to be either on or additional page to certificates, whatever most practicable.

M1

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 and the role of genetic and microbial testing in the diagnosis and monitoring of periodontal disease
- An appreciation of the role and methods of co-diagnosis in patient conversation and motivation
- A system for rapid risk based periodontal examination
- 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
- An understanding of what periodontal diagnostic and treatment protocols to introduce into your clinical practice
- An over view of peri-implantitis
- Experience of perio : restorative treatment options and planning

M2

Learning objectives

- An understanding of the latest theories on the biologic width and why some patients experience recession/inflammation
- An understanding of how to access the biologic width and minimise aesthetic complications
- An understanding of surgical crown lengthening procedures for correction of gummy smile, asymmetry and clinical crown height/ferrule
- 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
- An understanding of the role of lasers and electro -surgery in restorative and aesthetic procedures
- Practical experience of electro -surgery techniques

M3

Learning objectives

Knowledge of how to undertake a risk based rapid, detailed aesthetic assessment

- 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
- Appreciate the medico-legal aspects and maximising success in whitening

M4

Learning objectives

- Understand the role of the diagnostic wax up as the key to functional and aesthetic success
- An understanding of how to use 'prep through' and silicone indices to minimise tooth removal
- An understanding of how to temporise veneers and undertake predictable veneer bonding
- An appreciation of the risk factors for veneer failure, patient selection and consent issues
- An understanding of the various veneer preparation techniques
- An understanding of current concepts in dentine bonding
- An understanding of the material science for composite restorations
- Appreciate the indications and contra-indications for direct posterior composites
- Be able to undertake rubber dam application
- Be able to use the 'V' ring system for interproximal composites
- An understanding of the Bioclear method including posterior cavity design, injection moulding, and the 3-step Bioclear polish technique
- Be able to restore posterior composites and undertake direct onlay restorations using the Bioclear method
- Be able to characterise anterior composite restorations
- Be able to undertake conventional layering techniques and use silicone matrices for layer anterior composites
- An understanding of the Bioclear method including anterior cavity design, injection moulding, and the 3-step Bioclear polish technique
- An understanding of Biofilm removal
- Be able to select and adapt Clark matrices
- Be able to restore deep anterior cavities using the David Clark matrices and Bioclear method
- Be able to treat black triangle disease using the David Clark matrices and Bioclear method
- Be able to close diastemas using the David Clark matrices and Bioclear method
- Be able to reshape undersized teeth using the David Clark matrices and Bioclear method

- 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
- Be able to undertake successful short term and long term provisional restorations
- Be able to select the appropriate material and recognise the inherent risks in currently available materials
- Be able to appropriately select an inlay, onlay or crown
- Appreciate current aesthetic and functional core and post materials and techniques for vital and non-vital teeth
- Be able to undertake successful adhesive bridge techniques
- Understand advanced bridge techniques including large span, coping and fixed moveable bridges
- Appreciate how to minimise complications and failure in fixed prothodontics
- Be able to assess risk in abutment selection
- Be able to select appropriate cements
- Be able to undertake predictable accurate impressions
- Be able to undertake inlay and onlay preparations and predictable temporisation
- Appreciate the importance of and how to achieve the ferrule effect

M5

Learning objectives

- An understanding of the features of the 'ideal occlusion' and how to examine the occlusion
- An understanding of the role of articulators in restorative and aesthetic dentistry
- Knowledge of the features of articulators for restorative and aesthetic dentistry
- An understanding of the facebow transfer and its importance
- Be able to undertake an accurate facebow record
- Be able to mount study models on the articulator
- Be able to undertake an occlusal analysis
- An understanding of the principles of successful occlusion for the GDP
- Be able to rapidly assess occlusal/TMJ disorders and recognise their importance
- 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) 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

M6

Learning objectives

- An understanding of the role of comprehensive but rapid risk based patient assessment as the basis for successful dentistry
- A system for rapid risk based patient communication
- The role of risk based patient assessment in increasing patient co-diagnosis and reducing complications
- 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 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'
- An understanding of the role of direct composite, onlays and overdentures in the treatment of tooth surface loss
- 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
- An appreciation of restorative aspects of Implantology
- An understanding of restorative/aesthetic treatment planning exercises