Syllabus and Specific Learning Objectives

&

GDC Development Outcomes

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

www.dominic-hassall-training.co.uk
Day 1

Course Introduction

Dominic Hassall

Tutorial and Contemporary Literature

Appraisal of the Dental Literature, Clinical Techniques & Dental Materials Module

- Appreciation & critical appraisal dental literature, techniques & materials
- Evidence based medicine & dentistry & the hierarchy of evidence

Contemporary Advanced Treatment Planning Module

- Systematic risk based diagnosis, co-diagnosis & multidisciplinary treatment planning and consent
- The failing dentition & comprehensive risk based diagnosis
- Multidisciplinary advanced treatment planning exercise

Hands on practical

- Critical appraisal exercise
- Advanced treatment planning and diagnostic exercise

Learning objectives

By the end of the session participants should have gained the following:

- An appreciation of the role and importance of appraising the dental literature
- An appreciation of the role of evidence based medicine and dentistry in clinical practice
- An understanding of the hierarchy of evidence in medicine and dentistry
- An appreciation and practical experience of risk based diagnosis and advanced treatment planning in restorative and aesthetic dentistry, including consent issues
- An understanding of advanced contemporary restorative and aesthetic practice
- An understanding of why dentitions can fail

GDC Development Outcomes: A,B,C,D
Day 2/3

Complex Treatment Module
Dominic Hassall

Tutorial and Contemporary Literature

- Patterns, prevalence & prevention of tooth surface loss & restorative treatment strategies
- Localised anterior tooth surface loss & the Dahl concept, direct composite Dahl & palatal shims
- Treatment of generalised tooth surface loss with composite, crowns & onlay/inlays
- Treatment of generalised tooth surface loss with over/onlay dentures
- Advanced partial dentures - Successful advanced partial denture design
- Advanced partial dentures - Precision crowns to aid denture retention & stability
- Advanced partial dentures - Flexible partial dentures
- Aesthetic aspects of dentures
- Precision attachments for partial dentures
- Precision attachments in bridgework, including - subcopings / telescopic crowns
- The shortened dental arch concept & treatment strategies when it fails

Hands on practical

- Advanced diagnostic and treatment planning exercises
- Advanced denture design exercise

Learning Objectives

By the end of the session participants should have gained the following:

An understanding of the aetiology and prevention of tooth surface loss

- An understanding of treatment strategies for localised tooth surface loss in clinical practice
- An understanding of treatment strategies for generalised tooth surface loss including, composite, crowns, onlays and over/onlay dentures in clinical practice
- An understanding and practical experience of advanced partial denture design in clinical practice
- An understanding of indications and limitations of flexible partial dentures
- An understanding of precision attachments to assist in denture retention and stability
- An understanding of coping/telescopic bridges and their indications and limitations
- An understanding of the shortened dental arch concept
- Knowledge of the role of implants, attachments and hinge lock dentures in treatment of the shortened dental arch
- Practical experience of planning advanced toothwear and failing dentition cases
- Consideration of when to treat or refer

GDC Development Outcomes: B, C
Day 4

Complex Treatment Module

Claire Burgess

Bioclear Method Level 3.0 – Full Aesthetic Veneers

Tutorial and Contemporary Literature

- Refresh of Bioclear Method background and method
- David Clark Matrix selection and adaptation including the Bioclear Veneer Matrix
- Clark 2-step Polish technique
- Clark Class III cavity design with radius/infinity margin when replacing old failed traditional composites
- Rebuilding fractured teeth
- Direct composite veneers

Hands on practical

- Treatment planning and execution of full composite veneers on compromised or previously restored maxillary anteriors – canine to canine.
- Understand and practice principles of proper tooth preparation
- Learn efficient composite injection moulding techniques to create dramatic yet realistic results with the new Bioclear Veneer Matrix in clinical practice

Learning objectives

By the end of the session participants should have gained the following:

- Understand and practice principles of proper tooth preparation in clinical practice
- Demonstrate the concept of efficient composite injection moulding techniques to create dramatic yet realistic results with the new Bioclear Veneer Matrix in clinical practice

GDC Learning Objectives: C
Day 5

Complex Treatment Module

Claire Burgess

Bioclear Method Level 4 – Advanced Posterior Composites

Tutorial and Contemporary Literature

- David Clark Matrix selection and adaptation
- Heating and injection molding of composite materials
- Biofilm removal
- Minimally invasive Clark Class II
- Treatment using the Opportunistic Class II
- Direct composite Overlay restorations

Hands on practical

- Minimally invasive Clark Class II restoration with injection molding
- Treatment of the adjacent tooth using the Opportunistic Class II cavity
- Composite overlay design
- Modified Hall & Deep Margin Techniques with Bioclear Molar Overlay

Learning objectives

By the end of the session participants should have gained the following:

- Understand the theory and practice the Hall Technique in clinical practice
- Be able to identify caries in adjacent teeth using the opportunistic Class II cavity
- Be able to provide cuspal protection to compromised teeth using the Bioclear Overlay in clinical practice

GDC Learning Objectives: C
Day 6/7

Advanced clinical occlusion and TMD Module

Dominic Hassall

This module also includes 4 hours of practical occlusion videos

Tutorial and contemporary literature

- Functional anatomy of the masticatory system & assessment of TMJ, muscle health & occlusal disorders
- Occlusal and TMD examination
- Envelopes of function and treatment of restricted envelopes
- Treatment of TMD (temporomandibular) & occlusal disorders
- The role of splints in the management of occlusal & TMD disorders
- The role of occlusal adjustment in the management of occlusal & TMD disorders
- Clinical relevance centric relation — (the key to reorganising the occlusion)
- Recording centric relation with the Lucia jig & bimanual manipulation
- Recording centric relation with long term deprogrammers & passive muscle contraction
- Myogenic neuromuscular recording of centric relation
- Recording centric relation with leaf gauges
- The role of the custom incisal guidance table
- Using the diagnostic wax up & chair side provisional restorations to control the OVD/CR

Hands on Practical

- Advanced occlusal and restorative diagnostic treatment planning exercises

Learning Objectives

By the end of the session participants should have gained the following:

- An understanding of the functional anatomy of the masticatory system and its clinical relevance
- An understanding of contemporary management of occlusal and TMD disorders in clinical practice
- An understanding of splints available and their role in occlusal TMD and restorative dentistry
- Knowledge of the role of occlusal adjustment, its limitations, indications, contraindications, planning, consent issues and practical application in clinical practice
- An understanding of centric relation as the key to re-organising the occlusion or increasing the OVD in clinical practice
- An understanding of the different methods for recording centric relation in clinical practice
- An understanding and confidence in a simple, effective and a predictable method for recording centric relation in clinical practice
- An appreciation of the role of the custom incisal guidance table in clinical practice
- An understanding of the use of the articulator mounted functional diagnostic wax up and provisional restorations to control preparation aesthetics and CR/OVD in clinical practice
- Practical experience of planning advanced occlusal and restorative/aesthetic cases in clinical practice
- Consent and communication issues in occlusal/TMD dentistry

GDC Learning Outcomes: A,C,D
Day 8

Advanced clinical occlusion and TMD Module

Dominic Hassall

Tutorial and contemporary literature

- The face bow record and articulator features
- Long term deprogrammer and centric relation exercise
- Fabrication of the Michigan/restorative splint

Hands on Practical

- DENAR articulator features
- Adjustment and fitting of long term deprogrammers
- Centric relation recording with long term deprogrammers
- Bi-manual manipulation exercise
- Leaf gauge exercise
- Model mounting in centric relation exercise

By the end of the session participants should have gained the following:

Learning objectives

- Practical experience of the face bow record in clinical practice
- Practical experience of bi-manual manipulation for occlusal examination and CR recording in clinical practice
- Practical experience in the use of leaf gauges in clinical practice
- An understanding of articulator use and features in clinical practice
- Practical experience of adjusting and recording CR with a long term deprogrammer in clinical practice
- Practical experience of model mounting in CR in clinical practice
- An understanding of how to fabricate a restorative/Michigan splint in clinical practice

GDC Development Outcomes: C
Day 9

Orthodontic Interface Module

Dominic Hassall

Tutorial and contemporary literature

- Orthodontics in the adult patient
- Orthodontic requirement’s prior to implant dentistry
- Use of orthodontics in the restricted envelope
- The use of orthodontics to correct occlusal and aesthetic issues prior to restorative dentistry
- When to treat or refer

Tutorial and contemporary literature

Guest tutorial Sean Power

- Short term and clear aligner orthodontics, aesthetic and functional restorative aspects
- The role of the GDP in Orthodontics
  - Advantages and limitations
- Current systems
  - Advantages and limitations
- Aesthetic and functional treatment

Guest tutorial Peter Huntley (specialist Orthodontist)

- Orthodontics in the adult patient
- Long term, conventional and lingual orthodontics
- The orthodontic, periodontal, aesthetic and implant interface

Learning objectives

By the end of the session participants should have gained the following:

- An understanding of the role of the GDP and specialist in the provision of adult orthodontics in clinical practice
- An appreciation of current systems available in clinical practice
- A knowledge of the aesthetic and functional benefits and aspects of adult orthodontics in clinical practice
- A greater understanding of aligners, conventional and lingual appliances in the adult orthodontic patient
- The role of orthodontics in an interdisciplinary approach to functional aesthetic treatment
- The adjunctive role of orthodontics in aesthetic, periodontal and implant dentistry in clinical practice
- An appreciation of the importance of retention in adult orthodontic cases

GDC Development Outcomes: B,C
Day 10/11
Advanced Implantology Module
Dominic Hassall
Tutorial and contemporary literature

- Implant treatment planning save or extract, teeth or implants & implant survival/success
- Risk factors and contraindications to implants
- Biologic & aesthetic based implant selection for long term functional & aesthetic stability
- Consent and communication issues in implant dentistry
- Implant aesthetic & bone quality classification
- Role CBCT in 3D implant planning & general applications
- Abutment & crown selection for single implants in the aesthetic zone
- Restorative & aesthetic aspects of the anterior implant bridge
- Implant assisted dentures
- Restorative, material, functional & occlusal considerations in the full arch implant case
- Implant maintenance issues
- Occlusal issues in implant dentistry
- Restorative strategy for linking teeth & implants
- Orthodontic implants
- When to treat or refer

Hands on practical

- Implant treatment planning exercises

Learning Objectives

By the end of the session participants should have gained the following:

- Knowledge of when to save or extract teeth
- Knowledge of the success rates for endodontic procedures
- Knowledge of the complications, indications and contra-indications with implant restorations
- Knowledge of implant and abutment design features and how to select an implant system
- An appreciation of risk factors and contraindications to implants in clinical practice
- An understanding of the aesthetic aspects of implants
- Knowledge of assessing factors which may compromise implant aesthetics
- Understanding of the role of bone quality in implant dentistry
- Knowledge of the role of 3D planning in implant dentistry and oral surgery and endodontic applications of dental CBCT
- An understanding of the restorative and aesthetic aspects of implants in the aesthetic zone
- An understanding of the planning restorative and aesthetic aspects and stages of implant bridgework
- An understanding of the types indications and limitations/complications of implant assisted dentures
- Knowledge of restorative, material, functional and occlusal considerations in the full arch implant case
- Knowledge of the planning and restorative stages in the full arch implant case
- An understanding of the occlusal issues in implant dentistry
- Knowledge of the indications, complications and restorative stages for linking teeth and implants
- An understanding of the role of orthodontic implants in contemporary dentistry
- Knowledge of implant communication and consent issues in clinical practice
- An understanding of when to treat or refer

GDC Development Outcomes: B,C,D
Day 12

Complex treatment Module

Laboratory Considerations in Restorative, Implant and Aesthetic Dentistry

A.M. -Guest Tutorial A.M Ceramics

Tutorial and contemporary literature

- Laboratory aspects of advanced restorative, aesthetic and implant restorations
- Effective laboratory communication in clinical practice
- Communicating shade and characterisation

Hands on practical

- Shade taking
- Reduction indices for controlling tooth preparation

Learning Objectives

By the end of the session participants should have gained the following:

- An appreciation of the laboratory aspects of advanced, restorative and aesthetic restorations
- An appreciation of the laboratory aspects of implant restorations
- A greater understanding of laboratory communication and records required (including photographic) for successful clinical practice
- An appreciation of shade taking and characterisation in clinical practice
- Practical experience of reduction indices in clinical practice

GDC Development Outcomes: B,C
Day 12 Continued

Advanced Bridgework Module

Tutorial and contemporary literature

- The complex crown, bridge, implant & aesthetic case with endodontic & occlusal issues
- The hemisection bridge & crown
- Using the natural tooth as a pontic in adhesive bridgework
- The problem of last standing tooth

Learning Objectives

By the end of the session participants should have gained the following:

- Have an understanding of the planning and restorative stages in the complex bridgework case including implant, aesthetic, endodontic and occlusal issues in clinical practice
- Knowledge of how to undertake crown and bridge hemisection and its indications and contra-indications in clinical practice
- Knowledge of how to undertake adhesive bridgework using the natural tooth as a pontic
- An understanding of how to clinically handle the problem of the last standing tooth

Complex Occlusion and TMD Module

Hands on practical

- Fitting and adjustment of restorative/Michigan splint

Learning Objectives

By the end of the session participants should have gained the following:

- Practical experience of fitting and adjusting a restorative/Michigan splint in clinical practice

GDC Development Outcomes: C
Day 13 - Day Case Presentation Day

Complex Treatment Module

On the last day students will present a clinical case.

This does not have to be a case that has been treated as it is principally to discuss treatment options, risk based planning and maintenance issues in addition to clinical photography, consent and communication issues

Learning Objectives

By the end of the session participants should have gained the following:

- Have a practical knowledge of treatment planning, options, risk and maintenance issues in restorative, occlusal, aesthetic and implant dentistry in clinical practice
- Knowledge of consent and communication issues in the complex case in clinical practice

GDC Development Outcomes: C,D