PG Dip Contemporary Restorative and Aesthetic Dentistry (level II)
Day 1

Course Introduction

Tutorial and Contemporary Literature

- Course Introduction
- Evidence based dentistry (EBD)
- Assessing the dental literature
- Case presentation for the Diploma
- Comprehensive risk based assessment/co-diagnosis
- Clinical photography and case documentation

Hands on practical

- Dental literature review
- Clinical photography practical
- Risk based treatment planning exercise

Learning objectives

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

- An understanding of how to appraise the dental literature, its value and clinical relevance.
- An appreciation of evidence based dentistry and co-diagnosis.
- Practical experience of how to critically appraise articles and where the article sits in the hierarchy of evidence.
- Practical experience of treatment planning using comprehensive risk based assessment.
- Practical experience of clinical photographic techniques
Day 2

Comprehensive Risk Based Patient Assessment and Treatment Planning

Tutorial and Contemporary Literature

- Risk based treatment planning
- Aesthetic risk based patient assessment and treatment planning
- Periodontal risk based patient assessment and treatment planning

Hands on practical

- Aesthetic assessment exercise
- Periodontal assessment exercise
- Tooth based risk assessment exercise

Learning Objectives

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

- An understanding of how to undertake a risk based aesthetic assessment
- An understanding of how to undertake a risk based tooth assessment
- Be able to decide if a tooth is questionable, is salvageable or requires extraction
- Undertake evidence based caries prevention
- Be able to appropriately plan if a salvageable tooth can be used to support an FPD/RPD
Day 3

Advanced clinical occlusion

Tutorial and contemporary literature

- The confirmative or reorganised occlusal approach?
- The importance of centric relation
- Long term deprogrammers
- Centric relation recording as the basis for re-organised complex cases
- Face bow recording
- Model mounting in centric relation and occlusal analysis
- The restorative splint

Hands on Practical

- Long term deprogrammer adjustment, leaf gauges and short term deprogrammers
- Centric relation recording
- Face bow usage
- Model mounting in centric relation
- Occlusal analysis/equilibrium in centric relation

Learning Objectives

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

- An understanding of when to conform to the existing occlusion or re-organise.
- Knowledge of the clinical stages in re-organising the occlusion.
- An appreciation of centric relation as the foundation for the re-organised occlusal approach.
- Knowledge of the features of the face bow and DENAR articulator for restorative and aesthetic dentistry
- Practical experience of the methods available to register centric relation
- An appreciation of the role of the long term deprogrammer as the basis for centric relation registration
- Practical experience of the face bow record and mounting models on the articulator in centric relation
- Practical experience of occlusal analysis/equilibrium
- An understanding of the restorative splint in occlusal and restorative aesthetic dentistry
Day 4

Advanced clinical occlusion and TMJ disorders

Tutorial and contemporary literature

- Differing occlusal philosophies
- The rapid and systematic occlusal and TMJ examination
- Occlusal and TMJ disorders
- Classification and a systematic approach to treatment
- The role of occlusal equilibration and clinical considerations
- The use of splints in occlusal and TMD dentistry

Hands on practical

- Rapid and systematic occlusal and TMJ examination
- Restorative splint fitting and adjustment

Learning Objectives

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

- An understanding of the different occlusal philosophies and their inherent limitations
- A rapid and systematic examination of the occlusion and TMJ that can be implemented into your clinical practice
- A knowledge of the latest classification of occlusal and TMJ disorders
- A systemic approach to the treatment of occlusal and TMJ disorders that can be introduced into your clinical practice
- An understanding of the role of occlusal splints in restorative, occlusal and TMJ dentistry
- Practical experience of restorative splint fitting and adjustment
- A knowledge of the role of occlusal equilibration
- An understanding of clinical considerations and stages in occlusal equilibration
Day 5

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

P.M. Guest tutorial

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 in the provision of adult orthodontics
- An appreciation of current systems available
- A knowledge of the aesthetic and functional benefits and aspects of short term orthodontics
- An appreciation of the laboratory aspects of advanced aesthetic and implant restorations
- Practical experience of shade taking, laboratory communication and reduction indices.
- The information required by laboratory for predictable restorative, aesthetic and implant dentistry.
- 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
- An appreciation of the importance of retention in adult orthodontic cases
Day 6

Restorative and Aesthetic Aspects of implantology

- Evidence based implant design and selection
- Soft and hard tissue aspects of implant aesthetics
- Role of CBCT in 3-D implant planning
- Occlusal aspects of implantology
- Implants in the aesthetic zone

Hands on practical

- Implant treatment planning exercises
- Implant restorative procedures

Learning Objectives

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

- Be able to select an implant system based on biologic and mechanical considerations
- An appreciation of the role of 3-D planning in predicting and controlling implant aesthetics
- The critical role of CBCT in contemporary implant dentistry
- A greater understanding of aesthetic assessment in implant dentistry
- An understanding of restorative material choices in the aesthetic zone
- An appreciation of the restorative stages in fixed implant prosthodontics
- An understanding of the difference between teeth and implants and appropriate implant occlusion for long term success
Day 7

Restorative advanced procedures, including Implantology

- Predictable precision attachments for implant supported assisted dentures
  - Locator
  - Novoloc
- Restorative procedures and stages
- Restorative, periodontal and implant maintenance issues
  - Pen-implantitis “the great restorative challenge”
  - Avoidance and treatment
- Alternatives to implants
  - Coping bridges
  - Tooth based
- Linking teeth and implants
- Implant bridges and full arch restorations
- Restorative and occlusal considerations

Hands on practical

- Implant and restorative treatment planning exercises

Learning Objectives

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

- A knowledge of predictable precision attachments for implant assisted dentures
- An understanding of maintenance issues in implantology and how to minimize complications
- Knowledge of the risk factors, diagnosis and treatment of per-implantitis
- An understanding of restorative alternatives to implants including coping based bridges and tooth based attachments
- Knowledge of the stages in the provision of implant bridges/full arch and mixed restorations
Day 8

Laboratory Considerations

Guest Tutorial

A.M Ceramics

- Laboratory aspects of advanced restorative, aesthetic and implant restorations
- Effective laboratory communication
- 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 restrictions
- An appreciation of the laboratory aspects of implant restorations
- A greater understanding of laboratory communication and records required (including photographic)
- An appreciation of shade taking and characterisation
Day 9

Tooth surface loss symposium

Tutorial and contemporary literature.

- Aetiology, diagnosis and risk based treatment options in tooth surface loss
- The Dahl concept
  - Clinical considerations and stages
- Onlays, crowns or composite?
- The use of overdentures
- Principles of successful denture design
- A systematic and predictable approach to the treatment of tooth surface loss

Hands on practical

- Denture design exercise
- Tooth surface loss treatment planning exercises

Advanced composite techniques

- Direct composite veneers “a minimally invasive approach”
  - From study models to wax up and stents
  - The David Clark system for advanced techniques
  - Heating and handling composites

Learning Objectives

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

- An appreciation of a risk based approach to the diagnosis and treatment of tooth surface loss cases
- An in depth understanding of the ‘Dahl appliance’ in the treatment of anterior localised tooth surface loss
- An appreciation of when to use direct composite, onlays or crowns in the aesthetic and functional rehabilitation of tooth surface loss
- An in depth understanding of overdentures in the rehabilitation of advanced tooth surface loss
- A knowledge of successful partial dentures
- Practical experience of denture design
- Knowledge of advanced composite techniques
Day 10

Tutorial and Contemporary Literature

- Presentation and review of clinical cases
- The patient journey – from comprehensive assessment to treatment and long maintenance issues
- Course review

Practical exercise

- Presentation of clinical cases

Learning Objectives

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

- Practical experience of the presentation of clinical cases using a systematic and risk based approach
- An overview of current periodontal, odontogenic, occlusal/TMJ and aesthetic evidence based treatment approaches
- An understanding of the patient journey from comprehensive assessment, through treatment and long term maintenance issues