

**“Occlusal principles and management of the worn, missing and heavily restored dentition:
A 4 day course for the GDP”**

Day 1

9-10.30: Basic Occlusal Terminology- Lecture Johanna Leven

10.30-11.00 Break.

11-12.30 Lecture on Records on Articulators and Facebows by Rahat Ali

12.30-13.30 - Lunch

13.30 – 17.00 Practical on Facebows and taking occlusal records / Case discussions

Day 2

9-10.30: Lecture Aetiology and diagnosis of tooth wear. Lecture JL

10-10.30: Break.

11-12.30 – Management of tooth wear- lecture by RA

12.30-13.30: Lunch.

PM:

13.30-17.00: Practical - Composite Build ups of Worn Upper 3-3 and Posterior tooth composite build up.

Day 3

9-10.00 Jo: Lecture on Resin Bonded Bridges lecture JL

10.00-10.30- break

11.00 – 12.00: Conventional Bridges lecture by RA

Lunch 12.30-13.00

13.30-17.00: Practical Posterior Maxillary Conventional Bridge Prep with MCC retainers.

Anterior Maxillary Bridge with Zirconia retainers.

Day 4:

9-10.30: Restoration of the Root Filled Tooth and Partial Coverage Onlays: Lecture with RA

10.30-11.00 – Break

11-12.30 – Milled crowns and removal of failed restorations. Lecture JL

Lunch: 12.30-13.30.

13.30-17.00 – Practical – Onlay preps and milled crown preps. Tidy up all previous preps from other days.

Aims and Objectives

GDC Development Outcome: C

Day 1

Aims:

To discuss the relevance of the “ideal occlusion” in restorative dentistry.

To discuss methods of recording the occlusion.

To discuss when to conform or reorganise an occlusion

To discuss articulator selection and how to record a facebow transfer.

To show how articulator settings can be set to aid the clinician and optimise clinical efficiency

To discuss a number of clinical scenarios where an appreciation of the occlusion helped to ensure a successful outcome when providing fixed and removable prosthodontics.

Objectives:

Participants should have an improved knowledge of occlusal terminology.

Be more confident in assessing and recording an occlusion.

Appreciate when it may be appropriate to conform or reorganise an existing occlusal scheme, even at an increased occluding vertical dimension.

Learning Outcomes:

Delegates will be able to carry out a facebow transfer record.

Delegates will be able to record intercuspal and retruded contact position occlusal records using wax and silicone.

Delegates will be able to create a Lucia jig and gothic arch tracing.

Day 2

Aim:

To comprehensively discuss the aetiology, dental management and maintenance of a patient presenting with non-carious tooth surface loss, with particular emphasis on the use of composite resin

Objectives:

The speaker will describe the aetiology of tooth wear, including erosion, abrasion, attrition and abfraction.

The speaker will describe how composite resin, onlays, crowns and overdentures can be used to manage the worn dentition.

The speakers will present the evidence base underpinning the restorative management of the worn dentition, including management issues.

The speakers will demonstrate how to use a diagnostic wax up and stents to build up teeth with tooth wear.

Learning Outcomes:

Delegates will have a clear understanding of the aetiology of non-carious tooth surface loss.

Delegates will be able to describe the different options available to manage tooth surface loss, including the use of onlays, full coverage crowns, overdentures and composite resin.

Delegates will be able to assess and work up a patient with tooth surface loss for treatment with composite resin.

Delegates will be able to prescribe a full contour wax-up and palatal matrix/index can significantly help the clinician to restore worn teeth with composite resin, especially if a layering technique is to be employed.

Delegates will be able to describe the limitations, longevity and maintenance issues relating to the use of composite resin to restore worn teeth.

Delegates will be able to describe how posterior worn teeth can be restored with minimally prepared adhesive gold or monolithic ceramic onlays.

Delegates will be able to use a stent to build up the maxillary anterior teeth with direct composite layering technique.

Delegates will be able to restore a posterior worn tooth with direct composite using a stent.

Day 3

Aim:

A full day of seminars and hands-on practicals to help practitioners improve their tooth preparation skills to produce more successful resin retained and conventional bridge preparations.

Candidates will be given the opportunity to prepare 3 unit conventional bridges to hone their skill set.

Objectives:

To describe indications and contraindications for bridgework.

To describe the design features/indications and contraindications of resin bonded bridge work.

To describe the design features/indications and contraindications of conventional bridge work.

Learning Outcomes:

Understand the indications, design features and limitations of adhesive bridge work.

Understand the uses, advantages and disadvantages of conventional bridgework.

Understand the maintenance requirements and longevity of adhesive bridge work and conventional bridgework.

Understand the principles of extra-coral tooth preparation including the importance of retention and resistance form

Understand the preparation and design features of a conventional metal ceramic crown and zirconia bridge retainer.

Know the importance of an accurate master impression/locating impression/jaw registration when treatment planning and providing fixed prosthodontics.

Be able to prepare teeth for a 3 unit conventional metal ceramic bridge and a 3 unit conventional all ceramic bridge.

Day 4

Aim:

To explain how to restore the endodontically treated tooth with composite, conventional crowns, onlays and post crowns.

To explain how to assess and dismantle failed crowns and bridgework.

To explain how milled crowns can be prescribed and utilised as part of successful removable partial denture design.

Objectives:

To discuss the challenges of restoring the endodontically treated tooth, as well as when to restore and with what materials. Different materials such as gold, composite and ceramic will be discussed in detail, including which situations are optimal for certain material choices.

To discuss different types of post/core systems which can be prescribed to restore the root treated tooth.

To describe the indications for and techniques to dismantle failed crowns, bridges and posts.

To discuss how to design and prepare a tooth for a milled crown.

Learning outcomes:

Delegates will be able to discuss the different options available to restore an endodontically treated tooth.

Delegates will be able to describe and carry out preparation of teeth for adhesive gold or monolithic ceramic onlays.

Delegates will be able to describe how to dismantle failed crowns, bridgework and posts.

Delegates will be able to describe the features of a milled crown and how to design a crown as part of removable denture design.

Delegates will be able to prepare an anterior and a posterior tooth for a milled crown