

Dominic Hassall

Training Institute

Clinical Occlusion- Online



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The online clinical occlusion course is organised into 5 modules

Module 1

Fundamentals of occlusion

Module 2

Practical occlusion

Module 3

Clinical occlusion

Module 4

Practical/clinical occlusion video module

Module 5

Supporting literature

Module 1 introduces the fundamental concepts of occlusion and TMD whilst module 2 explores practical aspects of occlusion and TMD preparing for the clinical aspects of occlusion in module 3. Whilst progressing through the modules the online format allows you to go back and review earlier modules. I would encourage you to do this.

The course is supplemented by clinical videos and there is also a wealth of supporting reading materials which I would encourage you to read.

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Module 1

Fundamentals of occlusion

Tutorial and Contemporary literature

- Functional anatomy of the masticatory system
- Assessment TMJ, muscle health and occlusal disorders
- Envelopes of function
- Clinical applications of articulators
- The ear bow record



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Module 2

Practical/clinical occlusion module

Tutorial and contemporary literature

- Clinical relevance centric relation
- Centric relation, the key to reorganising the occlusion
- Recording centric relation with leaf gauges in clinical practice
- Myogenic neuromuscular recording of centric relation
- Treatment of TMD and occlusal disorders, including communication and consent issues in clinical practice
- Treatment of the restricted envelope of function/anterior interference in clinical practice
- Role of splints in the treatment of occlusal and TMD disorders
- Role of occlusal adjustment and equilibration in TMD and occlusal disorders, including consent and communication issues in clinical practice
- The role of the custom incisal guidance table in restorative and aesthetic dentistry
- Occlusal issues in implant dentistry



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Module 3

Clinical Occlusion

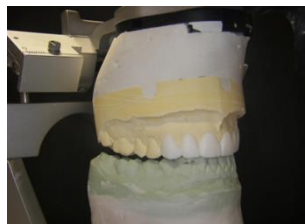
Tutorial and Contemporary literature

- Recording centric relation with the Lucia jig and bimanual manipulation in clinical practice
- Clinical case demonstrating the use of bimanual manipulation to record centric relation and increase the OVD in an advanced tooth wear case in clinical practice
- Recording centric relation with long term deprogrammers and passive muscle contraction in clinical practice
- Clinical case recording centric relation with long term deprogrammer and use of restorative splint in clinical practice
- Clinical case demonstrating the use of a restorative splint in severe night parafunctional case in clinical practice
- Clinical case demonstrating the use of a restorative splint in an advanced tooth wear case to control CR and OVD in clinical practice
- Using the diagnostic wax up and chair side provisional restorations to control the OVD and CR in clinical practice
- Occlusal aesthetic planning in the restorative aesthetic case and the role of the aesthetic and functional diagnostic wax up in clinical practice
- The complex crown, bridge, implant and aesthetic case with endodontic and occlusal issues
- Localised anterior tooth surface loss
- The Dahl concept in clinical practice
- The direct composite Dahl in clinical practice
- Palatal shims
- Treatment of generalised tooth surface loss with composite, crowns, inlays, onlays and over/onlay dentures in clinical practice
- Clinical case demonstrating occlusal equilibration
- The role of short term orthodontics in the restoration of protective canine guidance, cross bite correction and crowding in clinical practice
- The role of lingual orthodontics in the correction of the deep overbite case/restricted envelope, correction of excess gingival display and provision protective canine guidance in clinical practice
- The role of long term conventional orthodontics in space creation for anterior restorations, crossbite correction and correction of class III malocclusion in clinical practice
- Long term conventional and lingual correction of increased over jet, overbite and lower incisor crowding in clinical practice
- Post orthodontic correction of tooth and gingival asymmetry and restoration of papilla and golden proportions in clinical practice
- Use of short term orthodontics in the correction of the restricted envelope of function, TMD symptoms and bone regeneration in clinical practice

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- Use of long term conventional orthodontics to correct lack of canine protective central incisor guidance prior to potential restorative/implant treatment in clinical practice
- Use of long term conventional orthodontics in a complex case to correct lack of protective guidance (resulting in anterior tooth surface loss), midline shift, restorative spaces and restorative space for peg shaped lateral incisor in clinical practice
- Restorative post whitening with incisal edge composites, all ceramic crown and adhesive all ceramic bridge, sinus lift and implant supported crown in clinical practice



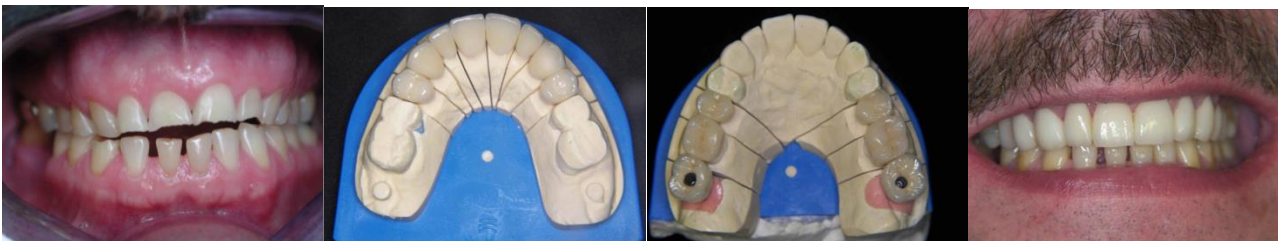
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Module 4

Practical/clinical video presentations

- TMD examination in clinical practice
- Occlusal examination in clinical practice
- Splints clinical features and fitting in clinical practice
- Face bow recording and model mounting in the maximum intercuspal position in clinical practice
- Articulator features and uses in clinical practice
- Deprogrammers, bimanual manipulation and centric relation registration in clinical practice
- Centric relation model mounting in clinical practice
- Accurate alginate impressions in clinical practice



Module 5

Supporting Literature

Articles

1. Achieving long term predictability in aesthetic and restorative dentistry
2. Good occlusal practice in advanced restorative dentistry
3. Good occlusal practice in simple restorative dentistry
4. Short term orthodontics and occlusal disorders
5. Splint Therapy
6. The examination and recording of their occlusion why and how
7. What is occlusion?
8. A deprogrammer for occlusal analysis and simplified accurate case mounting
9. Facially generated occlusal vertical dimension
10. Good occlusal practice in advanced restorative dentistry
11. Great lakes plaint appliance selection
12. Hospital anxiety and depression scale
13. Occlusal vertical dimensions alteration concerns
14. Recording the retruded contact position
15. Splint therapy
16. Great lakes, Splint adjustment guide
17. TMJ/TMD questionnaire

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Overall Course Learning Objectives

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

- An understanding of the features of the 'ideal occlusion' and how to examine the occlusion in clinical practice
- Be able to rapidly assess TMJ disorders and reorganise their clinical relevance
- Appreciate current evidence based concepts in the treatment of TMJ disorders (including bruxism)
- Be able to identify high risk occlusal and TMD patients
- Appreciate the concepts of envelopes of function
- Be able to identify the restricted envelope, its restorative consequences and treatment options
- An understanding of the role and features of articulators in restorative and aesthetic dentistry
- An understanding of the facebow transfer and its importance in clinical practice
- Be able to undertake an accurate facebow record and mount models on the articulator in clinical practice
- Be able to undertake an occlusal analysis in clinical practice
- An understanding of when to conform to the existing occlusion or re-organise in clinical practice
- Knowledge of the clinical stages in re-organising the occlusion in clinical practice
- An appreciation of centric relation as the foundation for the re-organised occlusal approach and increasing the OVD in clinical practice.
- Detailed knowledge of the features of the face bow and DENAR articulator for restorative and aesthetic dentistry in clinical practice
- An understanding of the methods available to register centric relation in clinical practice
- An understanding of the role of the long term deprogrammer as the basis for centric relation registration in clinical practice
- An understanding of the face bow record and mounting models on the articulator in centric relation in clinical practice
- An understanding of occlusal analysis/equilibrium in clinical practice
- An understanding of communication and consent issues in clinical practice
- An understanding of the role of a restorative splint in occlusal and restorative aesthetic dentistry in clinical practice
- An understanding of the different occlusal philosophies and their inherent limitations in clinical practice
- Appreciate the stages in treating generalised tooth surface loss and occlusal considerations in clinical practice
- An understanding of the role of the 'Dahl appliance' in the treatment of localised anterior tooth surface loss in clinical practice

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- An understanding of the role of GDP and Specialist Orthodontist in treating occlusal disorders and tooth surface loss and when to treat or refer
- Appreciate the role of the aesthetic and functional diagnostic wax up as the key to long term aesthetic and functional success in clinical practice
- A knowledge of the principles of successful occlusion in the provision of the implant prosthesis
- An understanding of the facebow transfer and its importance
- Be able to mount study models on the articulator in ICP and RCP in clinical practice
- Be able to undertake an occlusal analysis in clinical practice
- An understanding of the principles of successful occlusion for the GDP
- An understanding of the functional anatomy of the masticatory system and its clinical relevance
- Be able to rapidly assess occlusal/TMJ disorders and recognise their importance in restorative/occlusal dentistry
- 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) and restorative/aesthetic dentistry
- An appreciation of when to conform to the existing occlusion or reorganise
- An understanding of the role of direct composite, onlays and overdentures in the treatment of tooth surface loss
- An understanding of occlusal/restorative principles in the treatment of tooth surface loss in clinical practice
- Knowledge of the role of occlusal adjustment, its limitations, indications, contraindications, planning, consent issues and clinical application
- 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 understanding of the use of the articulator mounted functional diagnostic wax up and provisional restorations to control preparation, aesthetics and CR (centric relation)/OVD in clinical practice
- An understanding of the stages in the face bow record in clinical practice
- An understanding of bi-manual manipulation for occlusal examination and CR recording in clinical practice
- An understanding in the use of leaf gauges in clinical practice
- An understanding of articulator use and features in occlusal, restorative and aesthetic dentistry
- An understanding of recording CR with a long term deprogrammer in clinical practice
- An understanding of model mounting in CR in clinical practice
- An understanding of how to fabricate a restorative/Michigan splint in clinical practice
- An understanding of occlusal concepts and issues in implant dentistry
- An understanding of how to practically handle the occlusion for implant restorations
- An understanding of occlusal materials in implant dentistry

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- Have an understanding of the diagnostic, planning and restorative stages in the complex bridgework case including implant, aesthetic, endodontic and occlusal issues in clinical practice

GDC Development Outcomes: A,B,C