

advanced dental seminars



Advanced Occlusion & Comprehensive Treatment Planning

Mastering Aesthetics & Function

22-23 January 2024

12-13 February 2024

11-12 March 2024

15-16 April 2024

Comprehensive Dentistry

“Do you know a good occlusion course?” is a question that we have been asked many times over the years. Unfortunately, ‘occlusion’ is not a subject that can be discussed on its own. It is a part of every restorative or orthodontic treatment plan, yet it is often taught in isolation. To add to the confusion, there are many different approaches that all achieve the same, or similar results for the patient. Frequently there is more than one ‘right’ answer.

The solution

To master the combination of aesthetics and function, it is necessary to consider occlusion in the context of the problems you are likely to face at the chairside in planning and delivering treatment.

This course is intended to allow practitioners who have a degree of prior knowledge to consolidate their diagnostic and treatment skills to treat more complex cases with confidence. We will draw on what has already been covered in the Cosmetic & Aesthetic Restorative Dentistry Year Course and build on some of the more advanced topics, supplemented with hands-on exercises.

In order to unravel some of the confusion that surrounds occlusion, we will adopt our usual comprehensive approach, identifying the similarities and significant differences between the occlusal philosophies of Gnathology, Pankey, Dawson, Kois, Spear, Bioaesthetics, and Neuromuscular (amongst others), together with the different joint positions and articulators associated with each.

Following on from this, we will consider a comprehensive clinical examination that can be used to screen all patients for occlusal problems and differentiate between the healthy and unhealthy occlusal systems. The emphasis will be on identification of the ‘high-risk’ patient or the patient who needs specific TMJ management before restorative treatment can be undertaken.

The rest of the course will cover management of problems in different parts of the occlusal system, whether this is the teeth, the TMJs or the muscles. We will look at appliance therapy, again adopting a comprehensive approach to compare and contrast different appliances. We will also look at the current state of knowledge on tooth wear and bruxism and relate this to restorative dental management, with an emphasis on risk management for the ‘occlusally dangerous’ patient so that treatment can be sequenced correctly, and the risks managed during its delivery.

Through practical exercises on comprehensive examination, equilibration, build-ups for the worn dentition and appliance therapy amongst others, we will show you how to build these techniques into your daily practice. In addition, a comprehensive starter kit of the consumable items needed for bite records and comprehensive examination will be given enabling you to implement what has been learned immediately on return to your practice.

Format

The course will run over 8 days, in blocks of two days with 3-4 weeks between the sessions. As always, the lecture and practical programme will be fully supported with reading material. However due to the nature of the topics, the research articles will be designed for post-seminar reading to reinforce what was discussed and will be provided in a course manual along with lecture handouts and practical worksheets.

Dates & class times

These are provisional times. There might be some changes due to Dr Orr's schedule.

22-23 January 2024

12-13 February 2024

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15-16 April 2024

Lectures will start promptly at 9.15am each morning.

Lunch break will be between approximately 1.00-2.00pm and the afternoon session will finish by 5-5.30pm.

Venue

Advanced Dental Seminars
11A Bell Yard Mews
Bermondsey Street
London SE1 3TN

Fees & Payments

Registration is open **only** to those people who have completed the Cosmetic & Aesthetic Restorative Dentistry Year Course.

£715.00 + VAT per day.

Course fee includes reading folders, personal box of occlusal examination kit, all models, materials, and appliances.

Payments taken by direct debit set up during booking on our website.

Booking fee: £858.00 (including VAT) to secure course place. Fully refundable within the first 14 days. No refunds afterwards.

4 payments of £1501.50 to be taken ten days before each session starting on 7th February 2022.

Part 1: The (mostly) healthy masticatory system



Lectures

Why occlusion is such a complicated topic

The healthy masticatory system

- normal function of the teeth, joints & muscles

- envelopes of motion and function

- symptoms of unhealthy joints, muscles & teeth

Occlusal philosophies & instrumentation

- “It seemed like a good idea at the time” – the history of the study of occlusion

- modern philosophies of occlusion

- an occlusal philosophy that can be applied to every patient in your daily practice

- treatment positions: intercuspal position vs. centric relation... which one and when?

- Facebows & articulators – are they still relevant in the digital era?

The “comprehensive screening” exam

- “red flags”: identifying patients who require more detailed investigations

- comprehensive examination of teeth, joints & muscles

- CR bite records – analogue & digital

- load testing

- deprogramming at the chairside

Case records for treatment planning

Optimising the patient’s occlusion

- Occlusal equilibration: what, why, when & how

- Trial equilibration: when & how

Treatment sequencing & delivery for the occlusally simple case

Restorative update: adhesion to natural tooth and other substrates

- selection, preparation & cementation guidelines for ceramic restorations

Practicals

Comprehensive clinical examination

Centric relation bite records – analogue & digital

Trial equilibration on models

Part 2: The unhealthy masticatory system



Lectures:

Overview of the diseased system

Classification(s) of TMD signs and symptoms: Wilkes, Piper, RDC-TMD & others

Unhealthy muscles: signs & symptoms

Unhealthy teeth: mobility & fremitus; tooth wear

Unhealthy joints : aetiology, staging of intracapsular TMJ pathology
relating joint condition to restorative dentistry

Appliance therapy

Making sense of all the available appliances

Partial coverage appliances: flat anterior appliances (B splint, deprogrammer)
the Kois deprogrammer

other partial coverage appliances & their role in dentistry

Role of full coverage appliances (hard & soft): Michigan, Tanner, full soft

Analogue & digital protocols for appliance construction

Appliances for unhealthy joints

Appliances for the bruxist patient

Managing the patient's expectations for appliance therapy

The acutely symptomatic patient who presents at the practice: diagnosis & management

The chronic pain patient: options for management or onward referral

Fitting the comprehensive exam into your practice

Presentation of exam findings to the patient

Talking about occlusion and occlusal disease with your patients

Fee setting for equilibration and appliance therapy

Practicals

Fit & adjust B splint appliance / deprogrammer appliance

Fit & adjust soft bite guard

Fit & equilibrate hard upper full coverage splint

Part 3: From concepts to therapy: the worn dentition



Lectures Implementation of the diagnostic & treatment planning process for occlusally complex cases

Treatment sequencing for complex cases

Creating space for restorations

The role of provisional restorations

The worn dentition

Aetiology & prevalence of tooth wear

Common presentations: attrition, erosion, abrasion, abfraction

Erosion: confirmation of diagnosis & risk management

Attrition: Parafunction vs. bruxism, confirmation of diagnosis & risk management

Tooth wear monitoring: analogue & digital protocols

Management of the patient who will continue to brux

Case finishing for force distribution

Guidance and vertical dimension

Guidance patterns

Changing anterior guidance – effects on teeth, muscles & joints

Vertical dimension: when to change it & when not to

Current evidence behind concerns on alteration of OVD

Changing vertical dimension – effects on teeth, muscles & joints

Treatment delivery

Analogue & digital workflows for management of large cases

Practicals

Complex equilibration

Direct addition technique for provisionals

Overlay technique for provisionals

Part 4: Comprehensive dentistry: putting the pieces together



Lectures

Review of the diagnostic and treatment process

- sequencing the full-mouth case in the healthy masticatory system
- sequencing the full-mouth case in the unhealthy masticatory system
- bite records for different restorative situations
- analogue & digital protocols for management of large cases

Complex equilibrations: The patient who cannot be easily equilibrated

Maintenance protocols for conformative and reorganised cases

Practicals Treatment planning & sequencing

The emphasis in this final session is on application of the diagnostic and treatment planning principles discussed in parts 1 to 3 as well as how we can assemble our repertoire of clinical techniques into the treatment plan for the patient. You will be given the records and models for a number of patients who have already been treated at our practice and will work in small groups to develop the treatment plan (or plans).