

Preparations – onlays, crowns and bridges – from preparation to cementation

by blended learning

Thursday 24th April 2025

09:00-16:30

Exeter Dental Education Facility

Course Organiser: Harriet Buley-Snell

Course Lecturers: Professor Brian Millar BDS, PhD, FDSRCS, FHEA, FDT

Dr Fariha Hussain BChD, PGCE, MClintDent (Pros)

Summary:

A blended learning course of 12 hours CPD consisting of:

- 3 hour webinar available 1 month beforehand
- 3 hours reading and reflection
- 6 hours hands-on training on clinical skills

The course aims to teach a range of conventional and new tooth restoration techniques, including a range of indirect restorations such as veneers, crowns, overlays, onlays, endocrowns, and vertipreps from planning through preparation, impressions and temporisation to cementation. Focus is on contemporary techniques including restoring function and getting aesthetics and the occlusion correct.

09.00am	Registration
Discuss the blended approach and deal with questions from the pre-circulated webinar.	
Group now splits into 2 equal halves; blue and green	
Room 1 Clinical Skills Room – <i>Indirect restorative techniques – understanding prep designs and margins, making high quality preps for a range of restorations</i> (Prof. Brian Millar).	
09:30 – 11:00	Managing broken down teeth with crowns and overlays. Looking at margin position and type. Dealing with subgingival margins. Pre-prep adjustments. Indices. Preparation design. Cementation procedures.
11:00-11:15	Coffee
11:15-12:30	Hands-on preparation of overlays, conventional crowns and contemporary designs including horizontal and vertical margins, including preparations for e.max and zirconia materials.

12:30-13:15	Lunch
13.15-14.45	Managing broken down teeth with crowns and overlays. Looking at margin position and type. Dealing with subgingival margins. Pre-prep adjustments. Indices. Preparation design. Cementation procedures.
14:45-15:00	Coffee
15:00-16:15	Hands-on preparation of overlays, conventional crowns and contemporary designs including horizontal and vertical margins, including preparations for e.max and zirconia materials.
Room 2 Seminar Room with tables – <i>Smile designing with composites, was-ups, testing and evaluating, making provisionals and good impressions.</i> (Dr Fariha Hussain)	
09.30-10.45	Smile assessment and composite as a mock-up design material. Designing the diagnostic wax-up and testing this in-situ. Understanding Destination Driven Dentistry.
10.45-11.00	Coffee
11.00-12.30	Making effective and aesthetic provisional restorations. Impression techniques for difficult clinical situations.
12.30-13.15	Lunch
13.15-14.30	Smile assessment and composite as a mock-up design material. Designing the diagnostic wax-up and testing this in-situ. Understanding Destination Driven Dentistry.
14.30-14.45	Coffee
14.45-16.15	Smile assessment and composite as a mock-up design material. Designing the diagnostic wax-up and testing this in-situ. Understanding Destination Driven Dentistry.
16:15-16.30	Discussion

Aims

To teach advanced practical techniques to restore aesthetics, function and the occlusion on broken down teeth using conventional and contemporary indirect restorations.

Objectives:

At the end of the course delegates will be able to:

- Select a suitable indirect material and tooth preparation including margin type and position
- Prepare teeth accurately and quickly
- Carry out predictable impressions
- Place effective provisional restorations
- Understand cementation protocols for different materials

- Restore aesthetics and function understand the destination driven approach
- Manage subgingival margins

Learning objectives:

- Know when to use indirect materials to restore root filled and broken down teeth
- Be able to use aesthetic and functional indirect restorations
- Know which materials and techniques to select for a given clinical situation
- Be able to design and make suitable provisional restorations
- Be able to take good impressions in difficult situations
- Understand and use the destination driven approach to tooth preparation

GDC development outcome:

C. Maintenance and development of knowledge and skill within your field of practice

The eGDC activity log suggests reflecting on the following during and after this course:

- What did you learn (or confirm) from the activity that was helpful or relevant to your daily work and patients?
- Did you identify any changes/updates needed in your daily work, and if so, what? How did you make these changes?
- If you didn't identify changes needed, what did the activity confirm for you, that you may already know or be doing?
- What was the benefit to your work and/or your patients in carrying out this activity?

For any queries please contact: england.dentalcpd.sw@nhs.net