

CROWN TO ROOT

The Biomimetic Restorative Element

3 days

£1695

COURSE TUTOR: Dhiraj Arora

LOCATION: London

COURSE DATES: TBC

AIMS AND OBJECTIVES OF THE COURSE

Our ethos is to nurture nature so that means saving teeth through potential root canal treatments and also how to avoid them whenever possible.

Translated literally, biomimetic dentistry means to copy what is life-like (makes sense right?). Nature has provided the most successful and ideal properties for our natural teeth. When restoring damaged, broken, and decayed teeth, the goal is to return the tooth to its original strength, function and aesthetic.

Biomimetic dentistry accomplishes all of this in a conservative, strong, and attractive approach.

This course is designed to help you incorporate biomimetic dentistry into your daily practice.



CROWN TO ROOT 3-DAY PROGRAMME

COURSE CONTENT - WHAT YOU WILL LEARN

Structural analysis, caries removal endpoint/peripheral seal development and crack dissection protocols

- Learn how to evaluate the restorability of a tooth in a predictable fashion
- Understand the properties, function, and biomechanics of natural posterior teeth
- Learn how to preserve maximum tooth structure with bonded supra-gingival restorations rather than crowns. Understand the material requirements when using composite and ceramic restorative materials
- Understand the optimal caries removal endpoint using caries indicator dye (technique demonstration and hands on)
- Learn how to evaluate cracks within a tooth and management strategies (technique demonstration and hands on)
- Learn how to preserve pulp vitality and reduce root canals by over 90% (yes, I am an endodontist!)

Rubber dam isolation

- Rubber dam hands-on with a clear protocol for clamp selection and placement techniques
- Problem solving challenging tooth isolation cases

Stress reduced direct composite restoration techniques

- Understand and eliminate the common causes of post-operative pain and sensitivity through your adhesive technique
- Understand polymerization stress and residual stress of adhesively restored teeth
- Biomimetic protocols used to restore teeth with composite to produce aesthetic long lasting results
- How to select and use the correct matrix band to produce anatomical proximal contours

Deep marginal elevation

- Learn non-surgical alternatives to access and restore isolated deep margins
- Learn deep margin matrixing techniques and last tooth in the arch techniques

Supra-gingival adhesive onlay preparations

- Eliminate traditional preparation design and the necessity for retentive design
- Understand optimal material properties for biomimetic dentistry
- Learn how to increase bond strengths significantly (up to 400%). Immediate dentine sealing (IDS)/resin coating and bio base creation.
- Learn how to take a high quality analogue and digital impression
- Provisionalisation techniques evaluated
- Learn how to prevent stained and leaky restorative margins. Biomimetic cementation protocol for long-term adhesive success and the use of heated composite for excellent aesthetic success and easy clean up
- Post cementation polishing and occlusal assessment