



**ASPIRE**

Dental Academy

# **Advanced Endodontics Course**

*Certificate in Advanced Endodontics*

**2024  
London**

**Course Information Booklet**

## **Hello and Welcome!**

Welcome to one of UK's most hands on 'Advanced Endodontics' course where you will be receiving the best hands on teaching in the field of Endodontics.

The aim of this course is to provide a contemporary account of Endodontology, which will enable general dental practitioners to develop the skills necessary to provide high standards of care for patients requiring endodontic treatment.

The programme format will involve a combination of lectures, case discussion but primarily hands-on training.

Practical skills shall be cultivated within a skills laboratory principally by demonstration from experienced clinicians.

It is appreciated that students may vary in their ability and experience; hence the teaching will be tailored as far as possible to the students' requirements.

Please read through this booklet carefully as it contains details of the nature of the course as well as contact information.

We hope you enjoy the course as much as we have putting it together.

If you have any questions at any point or require any further information, please do not hesitate to contact us.

***Aspire Dental Academy***

Email: [info@aspiredentalacademy.com](mailto:info@aspiredentalacademy.com)

Website: [www.aspiredentalacademy.com](http://www.aspiredentalacademy.com)

## The Course

The course is delivered by Richard Porter and Raheel Malik

Richard is a Consultant Specialist in Restorative and Implant Dentistry and Oral Rehabilitation. He is a vastly experienced teacher having run over 100 hands on courses. He has a higher diploma in post graduate dental and medical education and is well published in peer reviewed journals in subjects including tooth wear, composite build ups, crown and bridge, gerodontology, occlusion and Endodontics. He is a lead clinician in restorative dentistry at St. Georges Hospital, London, and has a very successful private practice based in London. He has placed and restored over 2000 implants, has completed over 5000 root canals and countless direct and indirect restorations. He is on the GDC specialist list for Restorative Dentistry, Prosthodontics, Endodontics and Periodontology, is a father and husband and welcomes you to this great opportunity with the Aspire Dental Academy.

Raheel works in a private practice in Notting Hill. After graduating with Honors from Biomedical Sciences, Raheel qualified as a dentist from King's College London, having won multiple awards as a student. In 2009, he won student clinician of the year and was 1<sup>st</sup> runner up in the UK finals. He also won the UK Dentsply/Ceram.X Case Contest in 2010, amongst many others. Raheel graduated receiving the prestigious 'Academy of Operative Dentistry' Award. He has also won awards since graduation. Raheel had his first publication in 'Aesthetic Dentistry Today' as a final year student and has since been published many times in several journals including the Journal of Oral Implantology, International Journal of Dentistry, the Journal of Craniofacial Surgery, and Dental Update. He has also been interviewed in the British Dental Journal and Dentistry magazine.

Prior to each course day, delegates are encouraged to read publications provided online. In order for you to benefit from the day's teaching, we strongly recommend that these are read before each day. Further literature will be provided throughout the course, including comprehensive hand-outs to complement the days teaching.

At the end of each day, clinical cases with varying complexity will be discussed and treatment planned. Delegates are encouraged to bring in cases they are currently treating in practice so we can help treatment plan and advise.

## Accreditation

The course is EduQual Level 7 accredited which leads to a post-graduate certificate in Advanced Endodontics.

This is subject to a satisfactory presentation of a clinical portfolio, guidance of which is given throughout the course. If you do not wish to partake in the accreditation, you are still able to complete the course without being accredited.

The post-graduate certificate sets you on the pathway to a **Diploma in Advanced Aesthetic Restorative Dentistry and Endodontics**.

To achieve the Diploma, you also need to complete the following courses:

Advanced Operative Aesthetic and Restorative Dentistry course  
Advanced Occlusion & Wax-up course (2-day course)

## CPD

Each day is worth 7 verifiable 'Continued Professional Development' (CPD) hours and is in accordance with the GDC's enhanced CPD programme.

## Dress Code

There is no formal dress code for the course. However, you may wish to bring your tunic and loupes for the hands-on sessions at LonDec.

## Venue

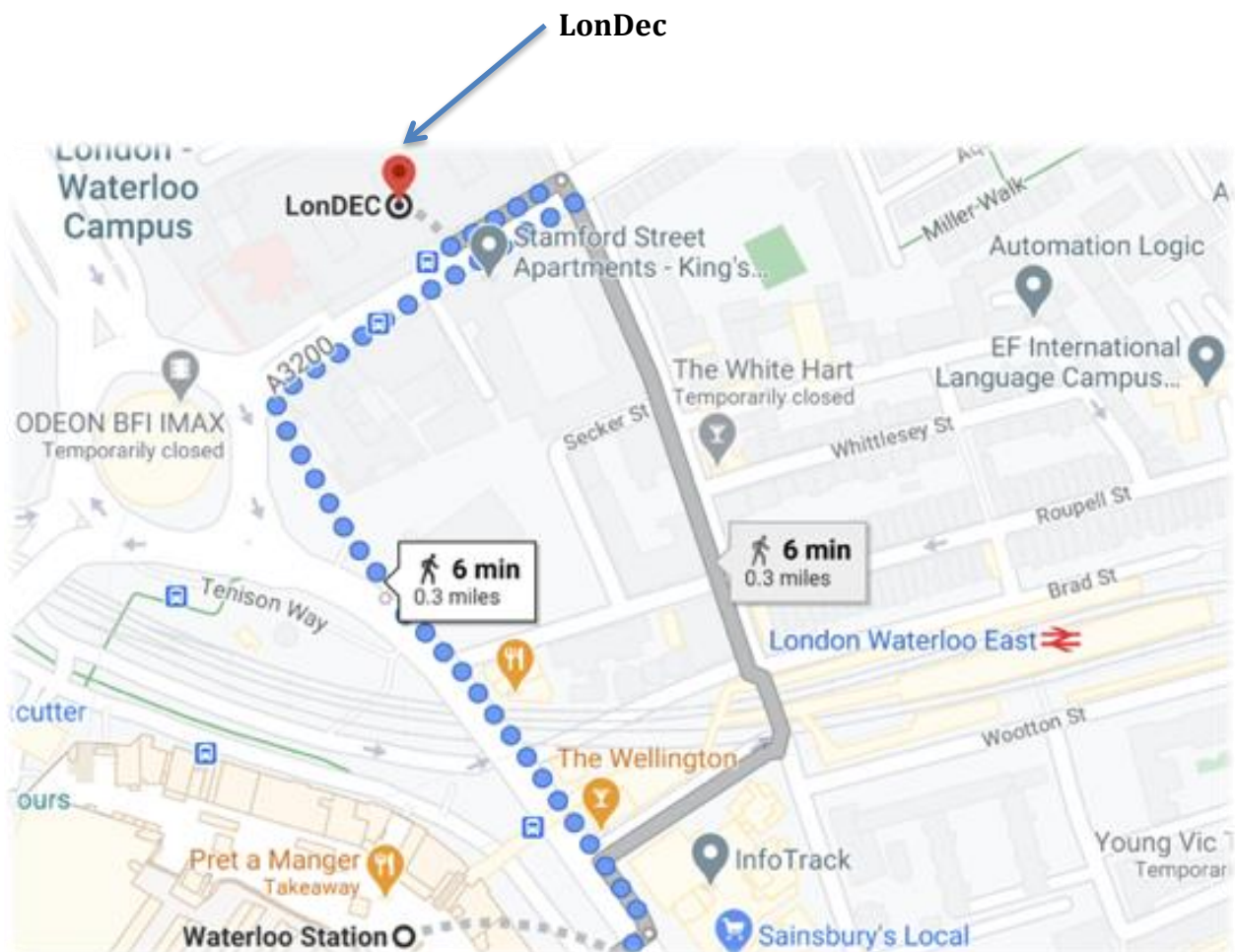
*The course is held at:*

### Londec

King's College London  
3rd Floor Franklin-Wilkins Building  
150 Stamford Street  
SE1 9NH

### How to get there:

This state-of-the-art teaching facility is located 5-6 minutes walk from Waterloo station (Mainline, Jubilee, Northern and Bakerloo lines)



# Syllabus

## Day 1 – Dental Anatomy & Access Cavities

Introduction  
Record keeping and medico-legal issues  
Endodontic assessment & diagnosis  
Dental anatomy  
Endodontic access cavities & straight-line access

### ***Hands On:***

Creating straight line access cavities in molars

### **Aim:**

To understand dental anatomy and endodontic access cavity designs

### **Objectives:**

- To revise and understand basic dental anatomy & how this relates to access cavity design in molars
- To develop expertise in thoroughly assessing teeth for endodontics
- To understand that access cavity is the fundamental premise for success in endodontics
- To develop deep expertise in preparation for endodontics
- To ensure record keeping, consent and communication is optimised

### **Learning Content:**

The days theory and practical teaching is intended to provide deep understanding and knowledge of endodontic access cavity design. Preparation for endodontics in practice as well as assessment of teeth prior to undertaking endodontics procedures is discussed. Record keeping, consent and communication with patients is discussed in detail.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, C & D

## **Day 2 – The Dentine-Pulp Complex & Principles of Canal Disinfection**

The structure and function of the dentine-pulp complex  
Pulp physiology and pathology  
Emergency & acute pain control (local anaesthetic techniques)  
The role of systemic antibiotics & other systemic & local medications  
Special tests, radiographic assessment & advanced imaging processes (CBCT)  
Irrigation & disinfection techniques  
Chelating agents  
Inter-appointment dressing techniques

### ***Hands On:***

Creating straight line access cavities in incisors & premolars

### **Aim:**

To understand the biology of endodontic diagnosis and endodontic procedures and to understand the principles of canal disinfection

### **Objectives:**

- To revise and understand basic dental anatomy & how this relates to access cavity design in incisors & pre-molars
- To understand the biology of endodontics
- To gain the ability to accurately diagnose odontogenic pain
- To accurately assess radiographs
- To explain emergency pain control protocols
- To understand the goals of the first stages in treatment
- To understand the essential role of rubber dam isolation
- To utilise highly effective irrigation agents & techniques
- To develop access cavity design & decontaminate the coronal 1/3<sup>rd</sup>

### **Learning Content:**

The days theory and practical teaching is intended to provide deep understanding and knowledge of the biology of endodontics. Delegates will learn how to diagnose and manage acute and chronic episodes of pain. The day will also provide deep understanding of the principles of canal disinfection and preparation. Radiographic assessment and the importance of rubber dam isolation will be taught.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: C

### **Day 3 - Mechanical Preparation**

Cleaning & shaping the root canal  
Patency filing and glide path development  
Different rotary and reciprocatory systems  
Working length assessment  
Apex locators & radiographs

#### ***Hands On:***

Patency filing & glide path development  
Introduction to rotary & reciprocating systems  
Mechanical Canal preparation

#### **Aim:**

To understand mechanical canal preparation following access

#### **Objectives:**

- To understand and implement anatomy into canal preparation
- To extend preparation from the coronal 1/3<sup>rd</sup> to the apex
- To understand the importance of patency and glide path development & how to achieve it
- To understand various preparation technique systems

#### **Learning Content:**

The days theory and practical teaching is intended to teach the fundamentals of canal preparation in particular the coronal 1/3<sup>rd</sup>. Delegates will learn how to assess working length of canals using radiographs and apex locators. Patency filing as well as glide path development will be taught. Delegates will be introduced to rotary and reciprocating systems.

#### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: C & D



## Day 4 – Canal Preparation II & Procedural Errors

Accessing the apex  
Apical gauging & preparation  
Zipping, ledging & perforations  
Removal of fractured instruments  
Epidemiology

### ***Hands On:***

Development of cleaning & preparation techniques  
How to ensure maximal disinfection at the apex  
How to ensure you achieve patency & fill to the apical constriction  
Problem solving with ledges, perforations & anomalies

### **Aim:**

To continue to understand the principles of preparation and how to avoid procedural errors

### **Objectives:**

- To increase understanding of working length assessment
- To develop understanding of apical gauging
- To consolidate & enhance canal preparation and disinfection techniques
- To understand how to avoid procedural errors and solve them if they occur

### **Learning Content:**

The days theory and practical teaching is intended to teach delegates how to prepare the apex of canals as well as dealing with iatrogenic damage. Emphasis is placed on preparation and decontamination of the apical third. Delegates will also learn how to work with their nurse efficiently and effectively.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, B, C & D

## **Day 5 - Obturation**

Root canal obturation  
Warm vertical techniques  
Schilder techniques  
Cold lateral techniques

### ***Hands On:***

Obturation techniques  
Cold Lateral Condensation  
Thermal methods of obturation  
Providing an immediate coronal seal

### **Aim:**

To develop expertise in obturating root treated teeth

### **Objectives:**

- To develop an understanding of obturation techniques
- Understand & practice a variety of techniques including thermal obturation
- Discussing final stages of treatment with patient

### **Learning Content:**

The days theory and practical teaching is intended to allow delegates to develop expertise in obturation techniques. A number of different techniques will be demonstrated including cold lateral condensation and warm vertical compaction. Emphasis is placed on patient communication with regards to completing treatment.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, C & D

## **Day 6 –Endodontic Re-treatment**

Procedural Errors  
Removal of root canal blockages  
Removal of incumbent failed endodontic obturation material  
Removal of posts/silver points & separated instruments  
Management of very calcified canals

### ***Hands On:***

Removal of old gutta percha  
Optimisation of obturation techniques  
Access to WL of very calcified teeth  
Removal of posts & fractured instruments

### **Aim:**

To develop expertise in endodontic re-treatment

### **Objectives:**

- How to remove old failed endodontic material
- To understand how to disinfect a previously root treated canal
- To understand & overcome common problems in endodontic retreatment
- To understand & overcome iatrogenic & anatomical problems

### **Learning Content:**

The days theory and practical teaching is intended to allow delegates to develop expertise in endodontic re-treatment. Gutta percha removal techniques will be taught as well as techniques to remove posts. Delegates will learn how to disinfect previously root treated canals. A particular emphasis is placed on success rates and the communication of these to the patient.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, C & D

## **Day 7 – Trauma Management**

Understand the pathophysiology of dental trauma

Luxation

Fractures

Root fractures

Avulsions

Understand root development

Accurately assess prognosis & ensure best practice in management strategy

Trauma

### ***Hands On:***

Comprehensive endodontic management of traumatically compromised teeth.  
Using MTA to restore perforations & teeth with open apices

### **Aim:**

To develop expertise in comprehensively managing traumatised teeth

### **Objectives:**

- To understand how to assess teeth which have been traumatised
- To be aware of the different types of injuries teeth can sustain
- To learn how to effectively manage, treat and review traumatised teeth
- To understand where and how to access latest evidence in this highly litigious area
- To practice & perfect endodontic techniques for traumatised teeth

### **Learning Content:**

The days theory and practical teaching is intended to allow delegates to develop expertise in comprehensively managing traumatised teeth. Delegates will learn about the different types of injuries teeth can sustain and how to manage these. Materials such as MTA will be introduced. Emphasis will be placed on communication with patients suffering from trauma.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, C & D

## **Day 8 – Endodontic Consolidation**

Revision of previously taught and practiced material  
Case discussions  
Management of post-operative pain –prediction & avoidance  
Cracked tooth syndrome

### ***Hands On:***

Comprehensive practice of endodontics from start to finish

### **Aim:**

Revision of previously taught material

### **Objectives:**

- To ensure techniques taught throughout the course are honed with deep expertise
- Discussion and problem-solving difficult cases delegates have encountered in practice

### **Learning Content:**

The days theory and practical teaching is intended to allow delegates to revise and re-practice theory and techniques taught throughout the course. Several radiographs displaying endodontic errors are discussed. Critiquing and appraisal of literature is also taught in detail. Referral to specialist practice and communication with specialist colleagues is also discussed.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, B, C & D

## Days 9 & 10 - Restorative Aspects of Endodontically Treated Teeth I & II

Periodontal assessment  
Restorative assessment  
Posts  
Dismantling restorations  
Direct restorations  
In-direct restorations  
Access through existing restorations

### ***Hands On:***

Direct and indirect posts  
Direct and indirect crowns  
Coronal dismantling

### **Aim:**

To develop expertise in restoring endodontically treated teeth

### **Objectives:**

- To develop deep understanding of restorative options for endodontically treated teeth
- To acquire skills in tooth & post preparation
- To develop skills in conventional & adhesive preparations
- To develop skill in access through or removal of existing restorations
- To learn how to effectively communicate restorative treatment options to patients

### **Learning Content:**

The days theory and practical teaching is intended to allow delegates to understand the need for restorative treatment following endodontic procedures. Delegates will learn about adhesive and mechanical onlay and crown preparations as well as post and core procedures. Emphasis will also be placed on removing existing restorations and assessing the restorative prognosis of a tooth prior to commencing endodontic treatment.

### **Developmental Outcomes:**

The following GDC's developmental outcomes are met: A, C & D

## Course Dates:

### Group 1

Day:	Topic:	Date:	Location:
1	<b>Dental Anatomy &amp; Access Cavities</b>	3 <sup>rd</sup> October 24	LonDec
2	<b>The Dentine-Pulp Complex &amp; Principles of Canal Disinfection</b>	21 <sup>st</sup> October 24	LonDec
3	<b>Mechanical Preparation</b>	9 <sup>th</sup> January 25	LonDec
4	<b>Canal Preparation II &amp; Procedural errors</b>	6 <sup>th</sup> February 25	LonDec
5	<b>Obturation</b>	6 <sup>th</sup> March 25	LonDec
6	<b>Endodontic Re-treatment</b>	3 <sup>rd</sup> April 25	LonDec
7	<b>Trauma Management</b>	1 <sup>st</sup> May 25	LonDec
8	<b>Endodontic Consolidation</b>	29 <sup>th</sup> May 25	LonDec
9	<b>Restorative Aspects of Endodontically Treated Teeth I</b>	26 <sup>th</sup> June 25	LonDec
10	<b>Restorative Aspects of Endodontically Treated Teeth II</b>	17 <sup>th</sup> July 25	LonDec

## Group 2

Day:	Topic:	Date:	Location:
1	<b>Dental Anatomy &amp; Access Cavities</b>	15 <sup>th</sup> October 24	LonDec
2	<b>The Dentine-Pulp Complex &amp; Principles of Canal Disinfection</b>	12 <sup>th</sup> November 24	LonDec
3	<b>Mechanical Preparation</b>	21 <sup>st</sup> January 25	LonDec
4	<b>Canal Preparation II &amp; Procedural errors</b>	18 <sup>th</sup> February 25	LonDec
5	<b>Obturation</b>	18 <sup>th</sup> March 25	LonDec
6	<b>Endodontic Re-treatment</b>	15 <sup>th</sup> April 25	LonDec
7	<b>Trauma Management</b>	13 <sup>th</sup> May 25	LonDec
8	<b>Endodontic Consolidation</b>	17 <sup>th</sup> June 25	LonDec
9	<b>Restorative Aspects of Endodontically Treated Teeth I</b>	8 <sup>th</sup> July 25	LonDec
10	<b>Restorative Aspects of Endodontically Treated Teeth II</b>	5 <sup>th</sup> August 25	LonDec



## Course Fee:

Total Cost: £7,350 + VAT

Payments can be made in instalments or as a single payment.

## Booking:

To reserve your place on the course please fill out the booking form which can be found at: <https://r535zigo8ph.typeform.com/to/cDIConXk>

To confirm your place a deposit of £200 is required. This will be deducted from your final instalment.

Deposits should be transferred to:

**Name:** Aspire D Academy

**Sort code:** 60-10-10

**Account Number:** 85935964

## Instalments:

Date:	Amount:
6 <sup>th</sup> September 2024	£1,837.50.00 + VAT
6 <sup>th</sup> December 2024	£1,837.50.00 + VAT
7 <sup>th</sup> March 2025	£1,837.50.00 + VAT
4 <sup>th</sup> July 2025	£1,837.50.00 + VAT

Payments can be made by bank transfer only.

Cash, credit cards, cheques and banker drafts are not accepted.

Please feel free to contact us if you have any further questions:

Email: [info@aspiredentalacademy.com](mailto:info@aspiredentalacademy.com)

Website: [www.aspiredentalacademy.com](http://www.aspiredentalacademy.com)

***Aspire Dental Academy***