



**ASPIRE**

Dental Academy

# **Advanced Endodontics Course**

*Certificate in Advanced Endodontics*

**2019  
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.

Endodontics plays a vital role in our daily practising lives. Aspire Dental Academy is proud to present the UK's first Enhanced Comprehensive Endodontic programme for general dental practitioners.

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 with the main emphasis on 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.

Teaching is provided through seminars, hands-on practical exercises and group discussions. Emphasis is placed on the hands-on element through out the course.

We have put together reading material for each day of the course and strongly recommend that this is read before each day in order for you to fully benefit from the day's teaching. Further course literature will be provided throughout including hand-outs to complement the days teaching.

We encourage students to bring along cases and questions to each session, as at the end of each day there will be a discussion and FAQ session.

## **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. In order to achieve the diploma, you also need to complete the “Advanced Operative Aesthetic and Restorative Dentistry” course and “Advanced Occlusion “courses.

Each day is worth 7 verifiable ‘Continued Professional Development’ (CPD) hours and is in accordance with the GDC’s enhanced CPD programme. Certificates will be given in December 2019 and at the end of the course.

## **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 minutes walk from Waterloo station (Mainline, Jubilee, Northern and Bakerloo lines)



## Dress Code

There is no formal dress code for the course. However, we request that you may bring your tunic and loupes for the course.

# Syllabus

2019

## Day 1 - Dental Anatomy & Access Cavities

Introduction  
Support structure  
Record keeping and medico-legal issues  
Endodontic assessment  
Dental anatomy  
Endodontic access cavities & straight line Access  
Letter writing and consent

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

Creating straight line access cavities in teeth including incisors, Premolars & 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
- 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**

The structure and function of the dentine-pulp complex  
Pulp physiology and pathology  
Endodontic diagnosis  
Emergency & acute pain control (local anaesthetic techniques)  
The role of systemic antibiotics & other systemic & local medications  
Radiographic assessment

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

Surgery preparation  
Radiographic techniques  
Endodontic isolation  
Access cavity refinement with detailed dental anatomy  
Coronal decontamination

### **Aim:**

To understand the biology of endodontic diagnosis and endodontic procedures

### **Objectives:**

- To understand the biology of endodontics
- To gain the ability to accurately diagnose odontogenic pain
- 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 accurately assess radiographs
- 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 as well as understanding the fundamentals of canal preparation in particular the coronal 1/3<sup>rd</sup>. 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 – Principles of Canal Disinfection & Preparation I**

Special tests & advanced imaging processes (CBCT)  
Irrigation & disinfection techniques  
Chelating agents  
Inter-appointment dressing techniques  
Working length assessment  
Apex locators & radiographs  
Accessing the apex

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

Access & preparation of the canal using hand files  
Introduction to rotary & reciprocating systems on the market  
Problem solving with ledges, perforations & anomalies  
Irrigation & disinfection techniques  
Canal preparation – extending from the coronal 1/3<sup>rd</sup> to the apex

#### **Aim:**

To understand the principles of canal disinfection and preparation

#### **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 & how to achieve it
- To utilise highly effective irrigation agents & techniques
- To understand various preparation technique systems

#### **Learning Content:**

The days theory and practical teaching is intended to provide deep understanding of the principles of canal disinfection and preparation. As well as hand files delegates will be introduced to rotary and reciprocating systems. Preparation of canals to the apex as well as dealing with iatrogenic damage will be taught. Irrigation and disinfection techniques are discussed in detail.

#### **Developmental Outcomes:**

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

## **Day 4 – Principles of Canal Preparation II**

Cleaning & shaping the root canal  
Apical gauging & preparation

### ***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

### **Aim:**

To continue to understand the principles of canal disinfection and preparation

### **Objectives:**

- To increase understanding of working length assessment
- To develop understanding of apical gauging
- To consolidate & enhance canal preparation and disinfection techniques

### **Learning Content:**

The days theory and practical teaching is intended to continue to provide deep understanding of the principles of canal disinfection and preparation. Delegates will learn how to assess the working length of canals using radiographs and apex locators. Emphasis is placed on preparation and decontamination of the apical third. Delegates will learn how to work efficiently and effectively with their nurse.

### **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  
Epidemiology

### *Hands On:*

Obturation techniques  
Cold Lateral Condensation  
Thermal methods of obturation  
Detailed use of the obturation armamentarium  
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

### ***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  
Tooth whitening  
Access through existing restorations

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

Direct and indirect posts  
Direct and indirect crowns  
Cutting back and tooth whitening techniques  
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:

Day:	Topic:	Date:	Location:
1	<b>Dental Anatomy &amp; Access Cavities</b>	4 <sup>th</sup> October 2019	LonDec, Waterloo
2	<b>The Dentine-Pulp Complex</b>	18 <sup>th</sup> October 2019	LonDec, Waterloo
3	<b>Principles of Canal Disinfection &amp; Preparation I</b>	13 <sup>th</sup> December 2019	LonDec, Waterloo
4	<b>Principles of Canal Preparation II</b>	3 <sup>rd</sup> January 2020	LonDec, Waterloo
5	<b>Obturation</b>	20 <sup>th</sup> March 2020	LonDec, Waterloo
6	<b>Endodontic Re-treatment</b>	18 <sup>th</sup> September 2020	LonDec, Waterloo
7	<b>Trauma Management</b>	2 <sup>nd</sup> October 2020	LonDec, Waterloo
8	<b>Endodontic Consolidation</b>	23 <sup>rd</sup> October 2020	LonDec, Waterloo
9	<b>Restorative Aspects of Endodontically Treated Teeth I</b>	20 <sup>th</sup> November 2020	LonDec, Waterloo
10	<b>Restorative Aspects of Endodontically Treated Teeth II</b>	11 <sup>th</sup> December 2020	LonDec, Waterloo

## Course Fee:

To reserve your place on the course a deposit of £200 is required, which will be returned to you at the end of the year.

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

Each session costs £570 + VAT

Total Cost: £5,700 + VAT

## Instalments:

Date:	Amount:
6 <sup>th</sup> September 2019	£1,425 + VAT
6 <sup>th</sup> December 2019	£1,425 + VAT
6 <sup>th</sup> March 2020	£1,425 + VAT
18 <sup>th</sup> September 2020	£1,425 + 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)

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