

Glasgow Orthodontic Academy

GBB Postgraduate Orthodontic Diploma





General overview

We, at GBB Group (Glasgow Orthodontic Academy, Brite Dental and Berkeley Clinic), are aware of the growing demand for Postgraduate Orthodontic courses blended with clinical training. The GBB Group and its Director Dr Mohammed Almuzian (a Specialist Orthodontist, University Lecturer and International Speaker) have been involved in the provision of courses for over several years and having trained thousands of specialist registers, postgraduate students and dentists in the UK, Australia and the Middle East.

Glasgow Orthodontic Academy is collaborating with ACE in Orthodontics delivering three other Postgraduate Diploma in Orthodontics courses for the General Dental Practitioners (GDPs), two in London and one in Manchester, however, we felt that there is a high demand and need for an evidence-based Postgraduate Diploma course with strong Clinical component in which the GDPs can translate what they have learnt during the theory days and webinars directly on patients under direct supervision of Specialists Orthodontists. We strongly believe that our blended Postgraduate Diploma in Clinical Orthodontics (PGDip.Clin.Orth.) will achieve this! And will enable the GDPs to implement the knowledge they will acquire safely and practically into a general practice setting.

We have undertaken an extensive approval process with EduQual (a UK awarding body) who have granted our Orthodontic Diploma Level 7 status.

GBB Group Glasgow Orthodontic Academy

September 2018

Course units

The Diploma in Orthodontics course curriculum involves six units taught through 41 study days - 26 full-day lectures along with 15 clinical days, 20 pre-lecture webinars, seminars and self-studying.

UNIT ONE: CORE PRINCIPLES OF ORTHODONTICS

Unit purpose: This unit is essential to provide information regarding embryology, growth and development of the face and jaws relevant to orthodontics. In addition, the core unit will cover the normal and abnormal development of the dentition, biology of tooth movement and the aetiology of malocclusion. This unit will also present the basis for orthodontic literature and research.

LEARNING OUTCOMES

- Demonstrate an understanding regarding growth and development of structures
 of the head and neck, and their relevance to the assessment and treatment of
 patients
- Critically evaluate normal and abnormal development of the dentition from birth to adulthood and the effect of genetic and environmental influences on the development of the dentition
- Demonstrate an understanding of the exfoliation and eruption of the dentition and the basic biology of tooth movement
- Compare and analyse skeletal, soft tissue and local/dental factor aetiologies of malocclusion
- Demonstrate critical awareness of the methods used to critically analyse and summarise literature.

UNIT TWO: ORTHODONTIC APPLIANCES AND MATERIALS

Unit purpose: This unit is essential to provide knowledge and information regarding orthodontic materials and biomechanics as well as orthodontic appliances including removable, functional, extra-oral appliances, fixed and retention appliances.

THE COURSE WILL ALSO INCLUDE SOME PRACTICAL WORKSHOP INCLUDING:

- Hands-on orthodontic bracket positioning and wire bending
- Hands-on adjustment of functional appliance
- Hands-on adjustment of removable appliance
- Hands-on fitting retention appliance

LEARNING OUTCOMES

- Critically evaluate different types of orthodontic materials, their properties and interaction of orthodontic brackets and wires and the achieved tooth movements
- Evaluate the advantages/disadvantages, timing, components and design of removable, fixed, functional, extra-oral and retention appliances.

UNIT THREE: ORTHODONTIC DIAGNOSIS & TREATMENT PLANNING

Unit purpose: This unit is essential to provide knowledge and information regarding orthodontic diagnostic procedures including cephalometry and photography in orthodontic as well as orthodontic treatment planning of different type of malocclusion. THE COURSE WILL ALSO INCLUDE SOME PRACTICAL WORKSHOPS

- Cephalometric analysis and superimposition
- Clinical photography in orthodontics
- Study models and space analysis

LEARNING OUTCOMES

- Analyse and interpret clinical and study model findings
- Evaluate the basis of cephalometric analysis and how to interpret the findings of superimposition techniques to analyse growth and treatment changes
- Demonstrate an understanding of clinical photographical analysis and the relevant non-ionising imaging technologies
- Critically evaluate treatment planning considerations for a variety of different patients and their concerns

UNIT FOUR: INTERCEPTIVE AND COMPREHENSIVE ORTHODONTICS

Unit purpose: The aim of this unit is to provide an understanding of guiding the development of the occlusion, adult orthodontics, the iatrogenic effects of orthodontic treatment and long-term effects of orthodontic treatment

LEARNING OUTCOMES

Understand the role of interceptive orthodontics in eliminating local factors and in early correction of skeletal discrepancies

- Explain and Interpret appliance therapy and special considerations in adult orthodontics
- Critically evaluate the iatrogenic effect of orthodontic treatment on hard and soft tissues
- Manage orthodontic relapse and its aetiology as well as the adjunctive techniques to reduce relapse.

UNIT FIVE: MULTIDISCIPLINARY TREATMENT

Unit purpose: This unit is essential to provide information regarding the interaction between orthodontics, minor oral surgery, restorative dentistry and the management of facial disharmony.

LEARNING OUTCOMES

- Demonstrate awareness and understanding of the management of impacted and infra-occluded teeth and high fraenal attachments
- Evaluate the basis of orthodontic management of the dentition with previous extracted teeth or minor hypodontia
- Explain the key factors relating to facial disharmony and demonstrate understanding of the stages in the correction of facial disharmony

UNIT 6: CLINICAL ORTHODONTICS UNIT

Unit purpose: This unit will provide an opportunity for the students to treat an orthodontic case on site and remotely in their practices under supervision of specialist orthodontists

LEARNING OUTCOMES

Evaluate and practice the key principles of effective medical record keeping, clinical assessment and interpret diagnostic tools essential for orthodontic treatment. Clinical case discussions will be spread over the whole course to cover different types of malocclusions and their treatment planning including:

- Crowding and spacing
- Class I malocclusion
- Class IL Div 1 and 2 malocclusion odontic Academy
- Class III malocclusion
- Anterior and posterior crossbites
- Vertical discrepancies
- Transverse discrepancies
- Impacted teeth
- Interceptive orthodontic treatment
- Other localised malocclusion

Clinical Session and Case Mentoring

Supervised treatment planning and case assessment is an important part of the education process which gives students the reassurance that they are never on their own when it comes to treating patients. This step by step approach has proven to build confidence in implementing the theory and techniques which have been taught on the course and students can draw comfort in being part of a wider group consisting of highly accomplished clinicians who understand the importance of sharing their wealth of knowledge for a greater benefit.

During the clinical sessions at the Berkeley Clinic, students will treat 3-4 orthodontic patients that we will provide from the start to the end. Dr. Almuzian and the specialist team on the course will provide direct, one to one and step by step case supervision.

As part of the clinical components of our diploma, students will collect records from their patients at the Berkeley Clinic, arrange a structured power point presentation of their diagnosis and devise a provisional treatment plan from the specialist orthodontists of the diploma. During the presentation there will be tutor and peer directed questions accompanied by constructive advice followed by formal feedback after the session. Advice about the treatment plan will be provided to students allowing them to embark on treatment. Students will also arrange another presentation to demonstrate progress and the final results of their treatment. Again, there will be tutor and peer directed questions, constructive feedback and advice to allow the students to continue and finalise the treatment. During the student presentations, the tutor will assess each student's competency in medical record keeping, clinical assessment, diagnostic skills, clinical judgment, decision making, management and follow up planning, communication and team working as well as leadership and professionalism.

Aside from this, there will also be opportunities for the candidates to seek specialist advice from the course team regarding new or ongoing orthodontic cases which are under treatment at the students' practices. At all phases of this clinical activity additional support will be provided by direct face to face or tele-discussion.

Lectures day timetable

DAY 1 - FRI, MARCH, 15 (2019)	DAY 2 - SAT, MARCH, 16 (2019)
 Normal and abnormal development of the dentition Normal and abnormal growth and development of craniofacial region The biology of tooth movement Optimal force level in orthodontics 	 Introduction to evidence-based orthodontics Data and their applications in research Critical appraisal of the literature Critical appraisal workshop Theories of craniofacial growth
DAY 3 - SUN, MARCH, 17 (2019)	DAY 4 - MON, MARCH, 18 (2019) (DCP CAN ATTEND)
 SPEED CAST/ Part I Acceleration of tooth movement during orthodontic treatment (Part I) TMD and orthodontic treatment Post – adolescent craniofacial growth 	 Orthodontic indices including IOTN and PAR indices IOTN and PAR indices workshop Assessment of growth and treatment changes and cephalometric analysis and tracings workshop
DAY 5 - TUES, MARCH, 19 (2019) (DCP CAN ATTEND)	DAY 6 - SAT, MAY, 04 (2019)
 Clinical examination in orthodontics including clinical facial analysis and smile analysis in orthodontics/ part I Digital camera setting and photography workshop optimal force level in orthodontics Acceleration of tooth movement during orthodontic treatment (Part II) 	Treating cases under supervision of specialist orthodontists (Full day clinic)

DAY 7 - SUN, MAY, 05 (2019) (DCP CAN ATTEND)	DAY 8 - MON, MAY, 06 (2019)
 Arch form and width and its relevance to orthodontics Mixed dentition space analysis Permanent dentition space analysis Royal London space analysis workshop Tooth size analysis and workshop Instrument presentation 	 Clinical examination in orthodontics including clinical facial analysis and smile analysis in orthodontics/ part II Developing problem list and objectives Case based discussion (Case classification and initial diagnosis) Photography in clinic Placement of separators workshop
DAY 9 - SAT, JUNE, 08 (2019)	DAY 10 - SUN, JUNE, 09 (2019)
Treating cases under supervision of specialist orthodontists (Full day clinic)	 Fixed orthodontic appliances Bracket set up, positioning and variations Archwire sequences Bracket positioning and bonding workshop/ part I Wire placement workshop
DAY 11 - MON, JUNE, 10 (2019)	DAY 12 - SAT, JULY, 27 (2019)
Bracket positioning and bonding workshop/ part II	Treating cases under supervision of specialist orthodontists (Full day clinic)

SPEED LAST/ Part II
Extraction in orthodontics

Students cases

DAY 13 - SUN, JULY, 28 (2019)	DAY 14 - MON, JULY, 29 (2019)
 Surgical exposure of impacted canines, fraenectomy, circumferential supracrestal fibrotomy and coronectomy for orthodontic patients Management of unerupted maxillary incisors Auto-transplantation Role of orthodontics in implant dentistry Orthodontics, breathing and obstructive sleep apnoea 	 Students case presentations The basis of anchorage in orthodontics Conventional orthodontic anchorage appliances Temporary skeletal anchorage devices
DAY 15 - SAT, SEPTEMBER, 07 (2019)	DAY 16 - SUN, SEPTEMBER, 08 (2019)
Treating cases under supervision of specialist orthodontists (Full day clinic)	Biomechanics in orthodonticsBasic wire bending workshop
DAY 17 - MON, SEPTEMBER, 09 (2019)	DAY 18 - SAT, OCTOBER, 19 (2019)
Molar distalisationExtra-oral appliances in orthodonticsStudents case presentations	Treating cases under supervision of specialist orthodontists (Full day clinic)
DAY 19 - SUN, OCTOBER, 20 (2019)	DAY 20 - MON, OCTOBER, 21 (2019)
 Interceptive orthodontics Functional orthodontic appliances (fixed and removable) 	 Removable orthodontic appliance Self-ligating appliances Clear orthodontic aligners Students case presentations
DAY 21 - SAT, DECEMBER, 07 (2019)	DAY 22 - SUN, DECEMBER, 08 (2019)
Treating cases under supervision of specialist orthodontists (Full day clinic)	 Interceptive orthodontics Functional orthodontic appliances (fixed and removable)

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DAY 23 - MON, DECEMBER, 09 (2019)	DAY 24 - SAT, JANUARY, 11 (2020)
 Removable orthodontic appliance Self-ligating appliances Clear orthodontic aligners Students case presentations 	Treating cases under supervision of specialist orthodontists (Full day clinic)
DAY 25 - SUN, JANUARY, 12 (2020)	DAY 26 - MON, JANUARY, 13 (2020)
 Midterm written exam (SAQs & MCQs) Class I Malocclusion Impacted canines Maxillary proclination or protrusion Case based discussion 	 Symmetry (dental and skeletal) and transverse discrepancies Students case presentations
DAY 27 - SAT, FEBRUARY, 22 (2020)	DAY 28 - SUN, FEBRUARY, 23 (2020)
Treating cases under supervision of specialist orthodontists (Full day clinic)	 Class II Division 1 Malocclusion Class II subdivisions Space closure Case based discussion
DAY 29 - MON, FEBRUARY, 24 (2020)	DAY 30 - MON, APRIL, 04 (2020)
 Class II Division 2 malocclusion Anterior deep bite Students case presentations 	Treating cases under supervision of specialist orthodontists (Full day clinic)
DAY 31 - SUN, APRIL, 05 (2020)	DAY 32 - MON, APRIL, 06 (2020)
 Hypodontia Restorative dentistry and orthodontics Periodontics and orthodontics Adult orthodontics Case based discussion 	 Class III malocclusion Class III subdivisions Case based discussion Lower labial segment crowding Students case presentations

DAY 33 - SAT, MAY, 16 (2020)	DAY 34 - SUN, MAY, 17 (2020)
Treating cases under supervision of specialist orthodontists (Full day clinic	 Finishing and detailing in orthodontics Retention and relapse and adjunctive techniques to reduce relapse Wire bending for finishing workshop Students case presentations
DAY 35 - MON, MAY, 18 (2020) (DCP CAN ATTEND)	DAY 36 - SAT, JUNE, 27 (2020)
 Digital orthodontics Marketing in Orthodontics Setting an in-house mini-orthodontic lab 	Treating cases under supervision of specialist orthodontists (Full day clinic)
DAY 37 - SUN, JUNE, 28 (2020)	DAY 38 - MON, JUNE, 29 (2020)
 Combined orthodontic and jaw surgery Distraction osteogenesis Surgically assisted rapid maxillary expansion Alveolar bone grafting 	Revision dayStudents case presentations
DAY 39 - SAT, AUGUST, 01 (2020)	DAY 40 - SUN, AUGUST, 02 (2020)
Treating cases under supervision of specialist orthodontists (Full day clinic)	Revision dayStudents case presentations
DAY 41 - MON, AUGUST, 03 (2020)	
Revision dayStudents case presentations	

^{*}Variations might occur due to the continuous subject quality improvement process.

Assessment Overview

Although it is recommended that all candidates undertake an active role during the course, summative assessments are mandatory for the award of the Postgraduate Diploma in Clinical Orthodontics (PGDip Clin.Ortho. level 7). Learning outcomes are stated for each unit and these outcomes must be met by the exam/ assignment. If an assignment/ exam does not meet the standard or below the pass mark, the student must re-sit the exam or re-submitted assignment. Resubmissions/ re-sitting the exam are intended to enable tutors to give feedback and advice when an assignment/ score has not met the pass level. If the resubmission/ re-sitting exam fails to meet the standard or below the pass mark, the student will be asked to exit the Diploma course at this point.

In all cases the Course Director must be satisfied that the work submitted is that of the student, in keeping with our Code of Practice on Plagiarism and Academic Dishonesty.

METHOD OF ASSESSMENT DURING THE COURSE

FORMATIVE ASSESSMENT INCLUDING:

- Attend lectures / seminars and independent study;
- Self-assessment:
- Attendance at suitable meetings;
- Attendance at suitable clinics and labs;
- Online assessment:
- Submission of an article for publication, if possible; and
- Web based e-learning sources

SUMMATIVE ASSESSMENT

- Midterm written exam (SAQs or MCQs),
- Final OSCE or Viva exam.
- Final written SAQs or MCQs.
- Work Based Assessments (WBAs),
- Submission of an article for publication (acceptance is not essential)
- Summative Assignments in a form of detailed case history presentation (Word count: 4000 +/- 10%, excluding bibliography)

TESTS	DATE OF FIRST SITTING/ SUBMISSION	RESULTS OF FIRST SITTING/ SUBMISSION RELEASED AND FEEDBACK PROVIDED	DATE OF SECOND SITTING/ RESUBMISSION	RESULTS OF SECOND SITTING/ RESUBMISSION RELEASED AND FEEDBACK PROVIDED
MIDTERM WRITTEN EXAM (SAQS OR MCQS)	12th Jan 2020	12th Feb 2020	5th April 2020	5th May 2020
WRITTEN ASSIGNMENT	27th June 2020	27th July 2020	27th Aug 2020	27th Sept 2020
FINAL OSCE OR VIVA EXAM	21st Nov 2020	21st Dec 2020	23rd Jan 2021	3rd Feb 2021
FINAL WRITTEN SAQS OR MCQS	21st Nov 2020	21st Dec 2020	23rd Jan 2021	3rd Feb 2021
WORK BASED ASSESSMENT	21st Nov 2020	21st Dec 2020	23rd Jan 2021	3rd Feb 2021
SUBMISSION OF AN ARTICLES FOR PUBLICATION (ACCEPTANCE IS NOT ESSENTIAL)	21st Nov 2020	21st Dec 2020	23rd Jan 2021	3rd Feb 2021

(Dates subjected to change)

Know your Course Director

MOHAMMED ALMUZIAN

Specialist Orthodontist (GDC. No: 260485) BDS (Hons.)
MFDS RCPS (Glasgow) MJDF RCS (England) MFD RSC (Ireland), MDSc.Ortho. (Distinction) MSc.
HCA (Atlanta) DClin.Dent. Ortho. (Glasgow) PGCert.SysRevHealth (Portsmouth)
MOrth RCS (Edinburgh), IMOrth RCPS (Glasgow) RCS (England), MDTF RCS(Edinburgh)
MARCDS. Orth. (Sydney)

Dr. Almuzian has a passion for teaching others and his enthusiasm is contagious, his lectures are never dull and all delegates will benefit from his one to one mentorship. Having completed thousands of cases in 3 different continents and 6 countries, including the UK and Australia, Dr Almuzian has vast experience in the field of adult and children's Orthodontics encompassing 17 years. He has a particular interest in breathing and sleep apnoea. As a highly qualified Specialist Orthodontist, Dr Almuzian is an honorary lecturer and Research Fellow in Orthodontics at the University of Sydney (Australia) and University of Edinburgh (Scotland), he also worked as a full-time lecturer in orthodontics at the University of Sydney and AUST in the UAE.

After graduating with honors as a dentist in 1998, Dr Almuzian went on to achieve specialty orthodontic training; an MSc in Orthodontics with distinction; which he followed with an MSc in Healthcare Administration with merit from the USA, Doctorate in Clinical Orthodontics (DClinDent. Orth.) with distinction from the University of Glasgow, Postgraduate Certificate in Systematic Review in Health (P.G. Cert. SysRev.Health) with merit from the University of Portsmouth and Postgraduate Degree in Medicial Education (PGCert. MedEd.) from the University of Portsmouth and Postgraduate Degree in the Medical Education (PGCert.MedEd.) from the University of Dundee. Dr Almuzian undertook further advanced training in Orthodontics at Eastman Dental Hospital/ University College of London and Oxford University Hospitals NHS foundation trust treating complex cases such as those with severe hypodontia, jaw deformity, cleft lip and palate and patients with craniofacial syndrome.

Dr Almuzian has acquired 9 other diplomas of memberships from the Royal College of Surgeons of Edinburgh, Glasgow, Ireland, England and Australia. He has also been awarded multiple accolades and merits in his studies and research to further facilitate his experience and was awarded the Gold Medal from the Royal College of Surgeons of Edinburgh in Orthodontics for the most meritorious performance among more than 80 candidates worldwide.

As an evidence-based clinician, Dr Almuzian has now published over 25 research publications and many clinical audits on a variety of aspects of Orthodontics and has written various invaluable theses to his name, in addition supervising theses of others.

Contact List

POSITION	NAME	CONTACT DETAILS	ADDRESS
General Manager	Maxine Johnston	manager@orthodonticacademy. co.uk	The Berkeley Clinic, 5 Newton Terrace, Glasgow G3 7PJ
Finance & Admissions Officer & Course Coordinator	Alison McGrail	coordinator@ orthodonticacademy.co.uk 0141 442 0052	The Berkeley Clinic, 5 Newton Terrace, Glasgow G3 7PJ
Course Director	Mohammed Almuzian	almuzian@orthodonticacademy. co.uk 07901740382	Glasgow Orthodontic Academy, 29 Coltbridge Avenue, EH12, 6AF
Head of Quality Assurance	Lubna Almuzian	info@orthodonticacademy.co.uk 07584658080	Glasgow Orthodontic Academy, 29 Coltbridge Avenue, EH12, 6AF
Business Manager	Alison McIntyre	bm@orthodonticacademy.co.uk 0141 442 0052	The Berkeley Clinic, 5 Newton Terrace, Glasgow G3 7PJ
Clinical Coordinator and Head Nurse	Amy Brown	clinic@orthodonticacademy.co.uk 0141 442 0052	The Berkeley Clinic, 5 Newton Terrace, Glasgow G3 7PJ
Marketing Manager	Caitlin Hanlin	marketing@orthodonticacademy. co.uk 0141 442 0052	The Berkeley Clinic, 5 Newton Terrace, Glasgow G3 7PJ

Frequently Asked Questions

After doing this course, will I be able to undertake comprehensive orthodontics?

Yes. The main aims of our evidence-based, orthodontic diploma course are:

- To develop and enhance the GDP's skill in comprehensive orthodontic assessment and diagnosis.
- To develop a higher level of competency in delivering interceptive and comprehensive orthodontic treatments for mild-moderate orthodontic cases in children and adults.
- To recognise more complex orthodontic cases which require referral and/or cooperation with relevant specialists in order to achieve maximum benefit to the patient and most importantly, to reduce the risk of complications and complaints.

Can I use the title of PG Dip.Clin.Orth. after my name?

Our diploma is approved and supervised by UK-based awarding body EduQual, successful graduates will be awarded the title Postgraduate Diploma in Orthodontics (EduQual/ Level 7) but they SHOULD NOT mislead the public into thinking that treatment is being provided by a Specialist.

Is the diploma registered with the GDC?

As with many postgraduate diplomas in dentistry, this PG diploma is not registerable with the GDC, but it is approved and recognised by a UK awarding body (EduQual). Graduates SHOULD NOT mislead the public into thinking that treatment is being provided by a Specialist.

Will the course help me to learn how to comprehensively treat orthodontic cases?

Yes, the course will allow successful graduates, with no, or limited prior experience in orthodontics, to deliver safe orthodontic treatments for many cases that would otherwise not be possible with their current scope of competency. In addition, it will enhance the self-directed learning of GDP's enabling them to better deliver short term orthodontic treatments as well as more confidently manage any challenges they may face with short term orthodontic cases.

Why should I invest in this course when it is possible to undertake similar course from other universities in the UK?

This course has been designed by Specialists, in consultation with GDPs, to specifically address the needs and requirements of dentists working in general practice. It allows quick, well supported implementation of the learned skills and knowledge as well as a quick return on investment.

What is the role of the Glasgow Orthodontic Academy LtD?

Glasgow Orthodontic Academy LtD and its Director, Dr Mohammed Almuzian, supervise the scientific component of the ACE Diploma course. This Diploma course IS NOT a short term orthodontic or cosmetic orthodontic course. This Diploma course IS NOT supporting in a biased way any products provided by other companies.