



EXPERT
IN
PASSIVE
ORTHODONTICS



Dr. Elizabeth Menzel & Dr. David Birnie
4 Modules – Bratislava, Budapest



DAMON
THEORY



TREATMENT
PLANNING



AUXILIARY
MECHANICS



CLINICAL
MENTORING



DIGITAL-
INSIGNIA



SURGICAL
CASES

Expert in Passive Orthodontics

COURSE DATE

Module 1/4: 15th – 16th March 2024, Bratislava

Module 2/4: 7th – 8th June 2024, Bratislava

Module 3/4: 13th – 14th September 2024, Budapest

Module 4/4: 15th – 16th November 2024, Budapest

VENUE

Modules 1&2 Bratislava

Modules 3&4 Budapest

THIS IS AN IN PERSON COURSE.

A limited room allocation is reserved for you under the keyword "Ormco EXPERT". All reservations are made directly through the hotel. Ormco does not accept any responsibility for reservations, payments, cancellation fees or other matters related to hotel booking.

	Price per module
Orthodontists	1.400,00 €
postgraduate students	500,00 €

TRAINING POINTS

For each module (2 days each) you will receive according to BZAK/DGZMK 16 further education points, a total of 64 points for all four modules; or 14 verifiable CPD points per module, a total of 56 points for all four modules according to your country of practice.

COURSE LANGUAGE

The course will be held in English

MORE INFORMATION AND REGISTRATION ONLINE

EMAIL: RENATA.KAPLANOVA@ENVISTACO.COM



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EDUCATION

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We only accept written cancellations by email or fax. Please note: According to our Cancellation Policy, the course fees will only be refunded if the course is canceled up to 4 weeks before the start of the course. If you cancel within 27 to 14 days prior to the commencement of the course, we will charge you 50 % of the course fee. For all cancellations within 13 days or less before the beginning of the course, we charge 100 % of the course fee. The reimbursement of the participant fee for non-participation without prior cancellation is excluded.

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Your speakers

Dr. David Birnie



DR. DAVID BIRNIE
BDS EDIN, FDS DMI RSC EDIN,
FDS MORTH RCS ENG

Clinical appointments

- › **1965-1970** Degree in dentistry (BDS) at the University of Edinburgh
- › **1971-1975** Lecturer in periodontology, University of Edinburgh
- › **1975-1977** Registrar in orthodontics, the Royal Dental Hospital London and Kingston Hospital, Surrey
- › **1977-1982** Senior registrar in orthodontics, Eastman Dental Institute and Hospital, London
- › **1982-2010** Consultant orthodontist at Queen Alexandra Hospital, Portsmouth, UK
- › **since 2012** Consultant orthodontist at Newcastle Dental Hospital, Newcastle-upon-Tyne, UK

Academic appointments

- › **2012-2015** Associate Clinical Lecturer, School of Dental Sciences, Newcastle University
- › **1991-2015** Honorary Visiting Consultant/Clinical Lecturer, Department of Child Dental Health (Orthodontics), University of Bristol
- › **since 2015** Honorary Clinical Senior Lecturer, School of Clinical Sciences, College of Medicine and Veterinary Medicine

Areas of practice

- › Full-time passive self-ligation user since 2001
- › Complex interdisciplinary treatments
- › Computers and digital orthodontics including fully customised appliances
- › Orthognathic surgery
- › Temporary anchorage devices
- › The non-surgical management of severe malocclusion

Publications and awards

- › 34 published papers in peer reviewed journals, 2 book chapters
- › 29 annual Excellence in Orthodontics courses in the United Kingdom, about 60 courses given outside the UK
- › 100 invitation lectures
- › The British Orthodontic Society Distinction Award (2009)
- › The Dental Faculty Medal, the Royal College of Surgeons of Edinburgh (awarded for distinguished service to the Faculty, the College and Dentistry, 2012)
- › Honorary Membership of the British Orthodontic Society 2016
- › Patron of the British Orthodontic Society 2018



Dr. Elisabeth Menzel

DR. ELIZABETH MENZEL
B. CH. D. UNIVERSITY STELLENBOSCH,
SOUTH AFRICA

- › **1987-1992** Degree in Dentistry B. Ch. D. at the University of Stellenbosch, South Africa
- › **1992-1994** Postgraduate training as an orthodontist in the practice of Dr. Brigitte König-Toll, Kronberg, Germany
- › **1995-1996** Assistant dentist training for orthodontics in the Department of Orthodontics (Prof. Dr. Helge Fischer-Brandies), University of Kiel, Germany, with an emphasis on jaw diseases and how to treat them (Prof. Axel Bumann)
- › **1997** Examination for specialization in orthodontics by Prof. Dr. Schopf, University of Frankfurt, Germany
- › **since 1998** Orthodontist in a dental/orthodontic group practice in Herrsching at lake Ammer. She also worked in Great Britain and Vilnius, Lithuania for the orthodontic treatment of patients with severe jaw diseases.
- › **since 2003** Damon System User
- › **since 2006** Lecturer, in Europe and oversea

Current focus

Interdisciplinary biodynamic orthodontics, orthodontic treatment of the temporomandibular joint from the diagnostics to the change into a pathology-free centric relationship.

Expert in Passive Orthodontics

A training series for orthodontists who want to understand and master the passive self-ligating technique from the ground up. For this course series, knowledge and experience in orthodontics are recommended. The four modules extend over a period of 18 months, enabling you to put the learned course content into practice. Resulting treatment questions can be answered directly in the next module.

Four modules that begin to convey an understanding of the difference in „handling“ passive treatment versus conventional orthodontics.

Dr. Menzel, Dr. Birnie & Ormco
are looking forward to your participation!





MODULE 1

15th – 16th March 2024

The first two-day module will focus on simpler cases and concentrate on bracket positioning, archwire sequencing, nonextraction treatments using D-Gainers, pre-treatment appliances and clinical tips about the use of these appliances.

COURSE TIMES

08:30 – 09:00 Registration & Welcome Coffee
09:00 – approx. 18:00 Course (on both days)

CONTENT MODULE 1

- ▶ Principles of passive self-ligation
- ▶ Difference between active and passive self-ligation
- ▶ Damon Q2, Damon Ultima
- ▶ Opening/closing gates, drop-in hooks
- ▶ Anatomy, physiology and function of the oral cavity and airways
- ▶ Tooth anatomy and function
- ▶ Clinical examination: macro, mini, micro
- ▶ Smile analysis
- ▶ Treatment goals
- ▶ Facial changes during aging
- ▶ D-gainer, space gaining, timing and method
- ▶ Bracket placement and variations;
- ▶ Direct bonding techniques
- ▶ Bonding to non-enamel surfaces
- ▶ Midline shifts: dental, facial and functional
- ▶ Damon Ultima and Damon DQ2 wire sequencing
- ▶ Round wires, rectangular wires, combi wires, SmartArch
- ▶ Pretorqued archwires, RCOS archwires
- ▶ Coil springs, crimpable hooks, archwire stops, torquing auxiliaries and disarticulation
- ▶ Class I cases
- ▶ Clinical photography
- ▶ Stability and retention

Changes to the programme may be made at short notice for operational reasons. Lecture content may be updated to reflect ongoing orthodontic developments.



MODULE 2

7th – 8th June 2024

The second module will discuss the full range of class II treatment mechanics with a focus on managing torque. The construction and application of splints used during the first phase of treatment will be demonstrated and explained. During this and the following modules, dedicated time will be set aside to discuss delegates' questions and explore problems they have encountered since the last module.

COURSE TIMES

08:30 – 09:00 Registration & Welcome Coffee
09:00 – approx. 18:00 Course (on both days)

CONTENT MODULE 2

- ▶ I Physiology and aetiology of class II malocclusion
- ▶ Class II malocclusion and classification
- ▶ Diagnosis of class II malocclusion, class II division 1 and 2
- ▶ Treating adolescent and adult class II malocclusions
- ▶ Diagnosis of class II malocclusion
- ▶ Principles of treating class II malocclusion
- ▶ Occlusal plane rotation
- ▶ Variable torques for class II malocclusions
- ▶ Protrusion splints: manufacture and use
- ▶ Anterior bite planes
- ▶ Disarticulation for class II cases: anterior, posterior
- ▶ Overbite management in class II cases
- ▶ Class II elastics
- ▶ Removable functional appliances: Frankel, Simple class II corrector, Clark Twin Block.
- ▶ Adult vs adolescent treatment. Adult Class II cases
- ▶ Vertical vs horizontal growth (12-23 years)
- ▶ Sequencing complex class II problems (eg: ectopic canine and class II)
- ▶ Class II retention and stability: Damon splints (Face Formers?)
- ▶ Fixed functional appliances

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MODULE 3

13th - 14th September 2024

The third module will involve more difficult cases including class III and open bite malocclusions. How to make the treatment decision between what is manageable with orthodontics alone and those cases that require surgery will be explained. This module will also include discussion of the use of TADs as an anchorage device to assist in these cases.

COURSE TIMES

08:30 - 09:00 Registration & Welcome Coffee
09:00 - approx. 18:00 Course (on both days)

CONTENT MODULE 3

- › Aetiology of class III malocclusion
- › Physiology of class III malocclusion
- › Diagnosis of class III malocclusion
 - John Lin's Three Rings diagnosis
- › The growing class III patient
 - Which patients are at risk of late mandibular growth?
 - Maxillary protraction
- › TADs: intra-radicular, extra-radicular, infra-zygomatic crest screws, mandibular buccal shelf screws
- › The non-growing class III patient
- › TADs
- › Surgery
- › Class III cases
- › ENT and the orthodontist (?)
- › Establishing and maintaining nasal respiration
- › Vertical problems
 - Mild to moderate anterior open bites
 - Physiology and aetiology of anterior open bites
- › Excessive Gingival Display: diagnosis, assessment, treatment methods
- › Vertical problems
 - Moderate to severe anterior open bites
- › Open bite surgery

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MODULE 4

15th - 16th November 2024

Finally, in module four, advanced topics such as torque planning or individual teeth in complex cases, ectopic teeth, transpositions and correction of occlusal cants will be explained. There will be an introduction to TMJ treatment and its relationship to orthodontics and discussion and instruction on fully customized labial appliances such as Insignia.

COURSE TIMES

08:30 - 09:00 Registration & Welcome Coffee
09:00 - approx. 18:00 Course (on both days)

CONTENT MODULE 4

- › Advanced torque with DQ2 and Damon Ultima
 - Torquing auxiliaries (one tooth, multi tooth)
- › Introduction to CBCT
 - How to read and report on a CBCT
 - TMJ and airway assessment and analysis
- › Ectopic teeth I
 - Diagnosis of ectopic teeth (2D radiology)
 - Location, assessment of damage to adjacent teeth, retrieval path
 - Communicating with your oral surgeon
- › Class II subdivision part I
- › Class II subdivision part II
- › Digital orthodontics: Indirect bonding and customised fixed appliances; Insignia
 - Understanding and using Insignia
 - Indirect bonding vs direct bonding: Advantages and disadvantages
- › Root resorption
 - Aetiology, root resorption relevant to orthodontics, diagnosis, classification and management
- › Transpositions: Classification, diagnosis, management
- › Cases
- › Vertical problems and cants
- › Ectopic teeth II
 - Diagnosis of ectopic teeth (3D radiology)
 - Advanced methods of retrieval
- › Introduction to TMJ dysfunction I
- › Periodontology for orthodontists: 2017 classification of periodontal disease, assessing periodontal disease, oral hygiene protocol, managing recession: when and how
- › Introduction to TMJ dysfunction II

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