



**EXPERT**  
**IN**  
**PASSIVE**  
**ORTHODONTICS**



Dr. Elizabeth Menzel & Dr. David Birnie  
Modules 3 & 4 – Munich

# 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!



## EXPERT MODULE 1

17TH-18TH JANUARY 2020

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

- › Anatomy, physiology and function of the oral cavity
- › The difference between active and passive orthodontics
- › Orthodontic planning
  - Facial symmetry
  - Maxillary and mandibular symmetry
  - Maxillary and mandibular shift
  - Occlusal analysis with different occluded models
  - Skeletal and dento-alveolar shift
  - Functional shift
- › D-Gainer
- › Bracket and wire placement: skeletal and dental terminal tubs (on premolars and canines)
- › Archwires, archwire sequencing and biomechanics
- › Archwire auxiliaries: stops, coil springs, auxiliary archwires, crimpable hooks
- › Class I cases: including using coils springs
- › Finishing and retention: Damon splint, VFRs, bonded retainers
- › Cases
- › Measuring treatment difficulty
- › Monitoring progress and digital photography
- › Simple indices to measure treatment difficulty
- › Using photographs to monitor treatment

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

## EXPERT MODULE 2

11TH-12TH JUNE 2021

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

- › Class II cases – Aetiology and diagnosis
- › Class II cases – Treatment planning
  - Understanding torques correctly (class II only)
  - Proper control of lower incisors
    - Importance of the canine
    - Why high torque on canines
    - Checking canine torque and selecting torque supplements
  - Handling throughout treatment
- › Bracket positioning, torque selection and monitoring
- › Questions on experience since MODULE 1
- › Disarticulation
  - Disarticulation splints and their manufacture
  - Bite turbos and molar pads
  - Partial anterior bite plane
- › Types of class II correction
  - Occlusal plane correction
  - Stability vertical and transverse
  - Elastics, occlusal splint, Fränkel FR II, fixed functional: AdvanSync
- › Adolescent vs adult treatment
  - What is the difference?
  - Different methods of treatment
  - Stability and retention
- › Class II cases

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## EXPERT MODULE 3

10TH-11TH SEPTEMBER 2021

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, diagnosis and treatment planning of class III – cranial growth
- › Psychological aspects of class III malocclusion
- › Class III treatment methods
- › Questions on experience since MODULE 2
- › Disarticulation and elastics in class III cases
- › Borderline class III cases
  - Late mandibular growth
  - Orthognathic surgery
- › TADs in class III cases
- › Open bites: Aetiology
  - Development
  - Assessing and classifying tongue posture
  - Breathing and airway
  - Types of open bite
- › Open bites: Diagnosis and treatment planning
  - Auxiliaries open bite
  - Torques for anterior open bites
- › Open bites: Disarticulation and Elastics
  - Vertical development of the posterior airspace vs posterior impaction vs anterior extrusion
- › Open bites: cases
- › Open bites: TADs
- › Open bites: Surgery

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## EXPERT MODULE 4

19TH-20TH NOVEMBER 2021

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

- › Torque Master Class: upside – down
  - Flips, swops, exaggerated angulations
- › Class II subdivision – asymmetries
- › Questions on experience since MODULE 3
- › Digital orthodontics (Insignia)
- › Interdisciplinary cases
- › Vertical problems and cants
- › Introduction to TMJ dysfunction
- › Unerupted and ectopic teeth
- › Hypodontia
- › Transpositions

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

# Your speakers

## **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 overseas

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

## **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
- › **2012-2015** 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
- › **2012-2015** 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

# Expert in Passive Orthodontics



## DAMON THEORY

### COURSE DATE

Module 3: 10th-11th September 2021  
Module 4: 19th-20th November 2021



## TREATMENT PLANNING

### VENUE SEPTEMBER

Sheraton München Arabellapark Hotel  
Arabellastrasse 5  
81925 Munich

### VENUE NOVEMBER

The Westin Grand München  
Arabellastrasse 6  
81925 Munich



## AUXILIARY MECHANICS

A limited room allocation is reserved for you under the keyword "Ormco". 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.

**This is a hybrid course. It is possible to follow online or live in Munich.**

### TUITION INCLUDING VAT

	Price per module for single bookings
Orthodontists	1.400,00 €
Elite customers	1.100,00 €
postgraduate students	500,00 €



## CLINICAL MENTORING

### TRAINING POINTS

For each module (2 days each) you will receive according to BZÄK/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.



## DIGITAL - INSIGNIA

### COURSE LANGUAGE

The course will be held in English with simultaneous translation into German



## SURGICAL CASES

**FURTHER INFORMATION & REGISTRATION VIA OUR WEBPAGE  
[WWW.ORMCO.DE/KURSE/CH/](http://WWW ORMCO DE/KURSE/CH/) UND VERANSTALTUNGEN R  
VIA YOUR PERSONAL SEMINAR ORGANIZER YVONNE GRUTZA:**

+49 172 2104694

[ormcoseminare.d-a-ch@ormco.com](mailto:ormcoseminare.d-a-ch@ormco.com)

## REGISTER TODAY!

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Ormco B.V. • Basicweg 20, 3821 BR Amersfoort, The Netherlands

Kundenservice • phone: 00800 3032 3032, fax: 00800 5000 4000, email: [OrmcoEuropeCS@ormco.com](mailto:OrmcoEuropeCS@ormco.com)

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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