

THE
ORTHODONTIC
SPECIALIST ACADEMY



**GDP COURSE IN EARLY
INTERCEPTIVE ORTHODONTICS
WITH CLEAR ALIGNERS**

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GDP COURSE IN EARLY INTERCEPTIVE ORTHODONTICS WITH CLEAR ALIGNERS

PHASE 1 FROM 5 YRS UNTIL AGE 11YRS
PHASE 2 TEEN/COMPREHENSIVE FROM 11YRS UNTIL AGE 18YRS

DETAILS

DATES: March 14, 15, 16 / June 13, 15, 16 / Aug 29, 30, 31 / Nov 21, 22, 23

LOCATION: The Orthodontic Specialist, 5 Whielden Street, Amersham, HP7 0HT

Fee £10,000 - Payments can be made in instalments

Dr Steffen Decker will focus on the management of growing patients from the age of 5 years through to adulthood with Clear Aligners and AI technology. The knowledge received will strengthen the clinical scope of practice with Early Intervention and treatment of teenagers using Clear Aligners.

96 hours in total of CPD

(Broken down into 3 days, 4 times a year- face to face)

Up to 2 hours per month of mentor sessions

Dr Steffen Decker is extremely passionate about treatment of growing patients, following a holistic approach and he belongs to the top Clear Aligner providers in the world. He has achieved this by predominantly treating children with Clear Aligners from the age of 5 years. His practice has grown considerably over the last 4 years since he resumed the protocols that he used in his practice in Germany and Switzerland. Get inspired by him and learn how he used his fundamental knowledge of orthodontics and applied it to the modern world implementing AI technologies, clear aligners and 3D printing.

The GDP extended course in Early Interceptive Orthodontics with Clear Aligners is designed for the sustained improvement of systematic competence in treatment of growing patients with the clear aligner technique.

You will gain advanced knowledge in diagnostic and treatment planning of growing patients, which will enable you to treat growing patients safely and confidently. Work with our nationally and internationally recognized expert Dr Steffen Decker to acquire the theoretical and practical knowledge that you can immediately put into practice.

Over a period of about 12 months, you can successfully complete this course. The focus is on practical applications face to face over four dates spread through the year, combined with up to 2 hours online mentorship a month.

Clear Aligners are firmly established in orthodontics and the treatment options have greatly expanded. Unfortunately, most of the growing patients is still treated with classic approaches like fixed braces in teenage years. Early interceptive orthodontics with clear aligners however is hardly being used at all which means that opportunities are being missed to treat the problems when they arise. Prevention is better than cure! Today, this orthodontic treatment with clear aligners can be usefully integrated into any dental practice and could increase revenue drastically.

The necessary advanced knowledge in orthodontics, new findings from paediatric sleeping disorders including diagnostic and treatment of tongue ties, RNO Principle of Pedro Planas, occlusion & function and aesthetics are taught in the course.

The findings from sleep medicine, sleep-related paediatric breathing disorders show that the tongue position, the tongue space, and the tongue area are of great importance during the growth and development phase and in every phase of life.

Strong attention has been given to myofunctional therapy and the functional matrix, which plays a key role in training the muscles and tongue both in the growth/developmental phase.

The key to success treating growing patients is to understand how all the above-mentioned topics are linked and to find out what could have caused the teeth to move in specified positions thinking of growth & development, Functional Matrix, Function & Occlusion and Breathing & Chewing & Swallowing. If you can treat the source of the problem, you not only will create a beautiful smile without the need for teeth extractions but as well eventually change and improve a child's life.

Module 1

- **Growth and Development**
 - How does growth occur
 - At what age do developments occur
 - Different philosophies on growth
- **Patient Assessment and Risk Management**
 - Medical
 - Dental
 - Fairest assessment
 - Myofunction and breathing
 - Tooth anomalies
 - Difference between Dental malocclusion and skeletal malocclusion
- **Consultation- Digital workflow**
- **Clear Aligner Introduction**
 - What can be treated with clear aligners.
 - When can aligner therapy begin.
- **Features of Clear aligners**
 - Trim lines
 - Attachments
 - Mandibular advancement
 - Buttons
 - Tongue guides
 - Tongue grips
- **Use of AI technologies to improve efficiency and case conversions**
 - Remote monitoring with hands-on
 - Smile simulations
 - Treatment outcome simulations
- **Introduction into case presentation of Dr Decker**

Module 2 & Module 3

- **Biomechanics of tooth movement**
 - Simple
 - Understanding biology of tooth movement
 - Intrusion
 - Extrusion
 - Tipping
 - Translation
 - Torque
 - Advanced
 - Staging
 - Anchorage control with and without accessories
 - Sequential distalisation
 - Extrusion of impacted teeth
 - Staging – difference between permanent and mixed dentition
- **Understanding the biomechanics and the staging with demonstrations on Dr Decker's cases**
- **Introduction in Function and Occlusion in growing patients**

Module 4

- **Functional Occlusion**
 - Dental History and assessment
 - Joint and muscle test
 - Discussion of malocclusions and how they may have been avoided by Early intervention treatments.
 - ICP, excursions and chewing patterns
 - Diagnosing occlusal problems
 - Use of Splint therapy in the diagnosis of occlusal problems
 - Occlusal diagnoses.
 - Treatment planning considerations in Orthodontics based on occlusal diagnosis.
 - Face bow and articulator
 - 3D Printing of a Kois deprogrammer
 - Interdisciplinary treatment planning

Module 5 – 3D printed devices and hand on

- **Introduction in the use of 3D metal printed devices**
 - Rapid Maxillary expanders
 - Hybrid maxillary expanders
 - Mento plates in correction of class 3 skeletal cases
 - Delaire mask
- **When to use 3D printed devices**
- **Treatment of malocclusions with a skeletal origin**
- **Insertion of palatal miniscrews on typodonts**
- **Fitting of a Rapid Palatal Expander on typodonts**

Throughout the course reference will be made to the following occlusions

- **Class 1, Class 2, Class 2 Div 1, Class 2 Div 2, Class 3**
- **Leeway Space and Crowding**
- **Crossbite**
- **Open Bite**
- **Agenesis - missing teeth and hypodontia**
- **Impacted teeth**
- **Palatal expansion with and without 3D printed devices**
- **Hybrid cases (Combination of 3D printed devices and aligners)**
- **RME, Hybrid RME, Palatal Miniscrews**