

Curriculum Outline

**Fellowship in Aligner Orthodontics
for General Dentists**

Disclaimer

This document has been prepared by RipeGLOBAL PTY LTD for the students of RipeGLOBAL's Fellowship in Aligner Orthodontics for General Dentists commencing 11 September 2023.

RipeGlobal has exercised due care and skill in preparing and compiling the time, information and educator representation in this document.

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This document should be attributed as Fellowship in Aligner Orthodontics for General Dentists.

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LEAD EDUCATOR FOREWORD

In 2020, RipeGlobal pioneered a bold vision to reimagine and transform dental education, providing dentists with continuous support throughout all stages of their careers.

Welcome to the **Fellowship in Aligner Orthodontics for General Dentists.**

When embarking upon the journey to create this fellowship, we were committed to demystifying orthodontic tooth movement. I am proud that what we have created through this course will boost your confidence and revolutionize your skills to implement the aligner technique.

This course will provide you with the know-how to treat simple and complex cases with aligners and the procedures associated with ensuring a successful outcome.

The future in orthodontics is clear.

With RipeGlobal, I have sourced the best orthodontic educators worldwide to join the Fellowship in Aligner Orthodontics for General Dentists and guide you through your learning journey.

With significant demand for orthodontic procedures increasingly seen in general practice, I am excited to help you grow your skills and confidence to seamlessly integrate orthodontic treatment into a comprehensive treatment plan for your patients.

Yours,

Dr. Claudia Pinter



EDUCATORS



Dr. Claudia Pinter



Dr. Marcela Duran



Dr. Sven Jensen



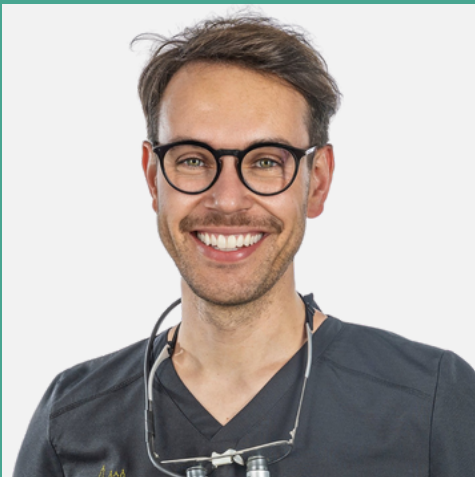
Dr. Irene Sanchez Amer



Dr. Trevor Nichols



Dr. Praveen Gill



Dr. Christian Leonhardt



Dr. Carlos Nicolet



Dr. Philipp Koelbl

TABLE OF CONTENTS

6 SECTION 1 Course Overview

7 Course Overview

8 How We Teach

9 SECTION 2: Lectures

9 Lectures

13 SECTION 3: Pre Theory, Hands-on Training, and Case Guidance

15 Pre-Theory Challenges

17 Hands-on Simulation Training

18 Case Guidance

19 SECTION 4: Case Presentations

21 Case Presentations Overview

22 SECTION 5: FAQs

22 Frequently Asked Questions



SECTION 1

**COURSE
OVERVIEW**

Section 1: Course Overview

Welcome to our innovative course tailored for dentists exploring the fundamentals of orthodontics and the principles of aligner technique. Our disruptive teaching method incorporates "fail fast" exercises in a safe environment, allowing you firsthand experience before diving into theory. These hands-on trials ensure that lectures resonate deeper and are more applicable. After grasping the basics, you'll engage in expert-supervised simulation training for real-world applications. Our lectures are on-demand, letting you learn when you're truly ready. Dive in and reshape your orthodontic journey with us!

Learning Outcomes

Upon completion of this course, you will be able to:

- Confidently diagnose orthodontic problems, ensuring a comprehensive understanding of the patient's needs.
- Skillfully create a problem list, formulating an effective and appropriate treatment plan.
- Demonstrate competence in treating mild to moderate Class I malocclusions, ensuring the best outcomes for patients.
- Efficiently address and treat mild Class II malocclusions with displacements up to 3mm.
- Incorporate the use of orthodontic mini-screws, facilitating challenging tooth movements and potentially reducing overall treatment time.
- Adequately screen for sleep-related breathing disorders, such as Obstructive Sleep Apnea, and proficiently administer Mandibular Advancement Devices for affected patients.

Performance Outcomes

Upon successful application of the course material, you will:

- Skillfully handle and execute more complex aligner treatments, demonstrating an advanced mastery of aligner therapy.
- Broaden your service offerings by providing aligner therapy solutions for mild to moderate orthodontic issues, catering to a broader range of patient needs.
- Experience a surge in revenue by notably increasing the initiation of aligner treatments within your practice.
- Elevate earnings per case due to achieving precise outcomes, enhancing overall patient satisfaction.
- Retain and manage cases that previously would have been referred to specialists that are well-suited to be treated within your dental practice.
- Confidently propose and implement orthodontic treatments as an integral component of a holistic dental care plan, guiding patients toward optimal dental health.

How We Teach

Where

Our fellowships go beyond 'virtual.' Receive hands-on Simulation Kits at your clinic or home, engage in live cloud-based simulations, and benefit from ongoing mentorship, all without geographical limits.



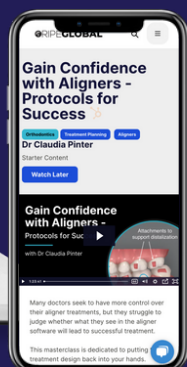
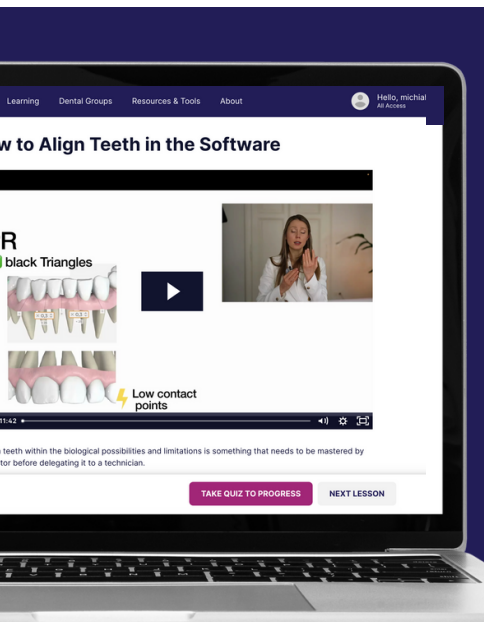
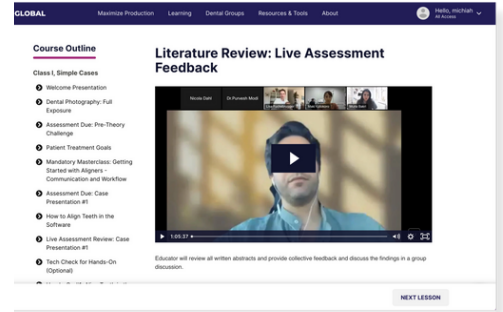
When

The Fellowship in Aligner Orthodontics for General Dentists is a 1-year course that will see you complete all hands-on components within the first 6 months to maximize your learning and ROI. We have multiple intakes a year. Check-in with our team to determine an intake that suits you.



How

We want to make your learning experience as smooth as possible, so we designed our exclusive platform to see you from the start to the end of your development journey.



Our Unique Platform

- ✓ Central hub for resources - access your schedule, upload assessments, attend live sessions, and receive feedback.
- ✓ Use the Credit Tracker to keep all of your CPD/CE certificates in one place.
- ✓ Track your progress with our Clinician Development Tool.



SECTION 2

LECTURES

Section 2: Lectures

Introduction to your course	Dr. Marcela Duran	1 hour
Orthodontics Revisited	Dr. Praveen Gill	2 hours
Treatment Planning Concept	Dr. Christian Leonhardt	2 hours
Photography	Dr. Marcela Duran	1 hour
Software Skills	Dr. Claudia Pinter	1 hour
Biomechanics	Dr. Dorottya Frank	1.5 hours
Dentists Role in Management of OSA	Dr. Jorge Faber	1.5 hours
Cephalometrics and CBCT	Dr. Nasib Balut	1 hour
Class II Malocclusion	Dr. Sven Jensen	1 hour
Case Acceptance	Dr. Chris Phelps	1 hour
Clinical Examples Part 1	Dr. Marcela Duran	1.5 hours
Clinical Examples Part 2	Dr. Trevor Nichols	1.5 hours
Biology of Tooth Movement	Dr. Sven Jensen	1 hour
Aesthetics and Implementation	Dr. Trevor Nichols	1.5 hours
Literature Review	Dr. Carlos Nicolet	1 hour
Total Lectures: 15	Total Hours of Lectures:	19.5 hours

Lectures Overview

Introduction to your course

Dr. Marcela Duran explains how the course works, your upcoming tasks, the case guidance you will receive, and our teaching philosophy. Remember - this is a fail-safe environment.

Orthodontics Revisited

This lecture will discuss orthodontics, malocclusions, jaw growth, and orthodontic appliances. We'll also cover treatment timing and growth. Let's begin!

Treatment Planning Concept

What information do records tell you? This lecture will help you create a problem list and a treatment plan to discover orthodontic records more thoroughly.

Photography

This lecture will explore the informative resources of Dr. Marcela Duran. With her expertise, you can gain valuable insight into various camera settings and discover how to adjust them to obtain exceptional results.

Software Skills

Get a step-by-step approach on how to use the software and become efficient with making changes in the design.

Biomechanics

Orthodontic principles are essential to understand when it comes to teeth straightening. Anchorage, reciprocal movements, sequenced movements, and sequential distalisation are crucial in creating a successful orthodontic treatment plan.

Dentists' Role in Management of OSA

Get an overview of OSA (obstructive sleep apnea) and Mandibular Advancement Devices.

Lectures Overview

Cephalometrics and CBCT

This lecture explains how Cephalometrics helps dentists in treatment planning, analyzing transverse maxillary deficiency in CBCT and craniofacial development, and assess growth stages using the Cervical Maturation stages.

Class II Malocclusion

Dr. Sven Jensen covers the diagnosis, treatment options, and difference between growing and non-growing patients with Class II Malocclusion.

Case Acceptance

Want to help patients achieve good health? This lecture will help you guide your patients to buy rather than tell them what they need.

Clinical Examples Part 1

Solidify your knowledge by learning treatment protocols for most problems in a Class I malocclusion, clinical cases with Class I cases, and crowding deep bite.

Clinical Examples Part 2

Dr. Trevor Nichols explores Mild Class III, Mild Class II, retroclined pattern, indirect anchorage after distalization, and Class II elastics.

Biology of Tooth Movement

Dr. Sven Jensen explains the iatrogenic effects and risks of orthodontic treatment, how to stay safe, tooth movement, resorption, iatrogenic effects, recession, and complications.

Aesthetics and Implementation

Five keys to a stunning smile (suitable for dentists). Dr. Trevor Nichols gives you an insight into what makes a smile beautiful and how to achieve it.

Literature Review

In this lecture, Dr. Carlos Nicolet reviews literature about cephalometric analysis, diagnosis, and Class II treatment while viewing applied clinical cases.



SECTION 3

PRE-THEORY CHALLENGES, HANDS-ON SIMULATION TRAINING, & CASE GUIDANCE

Section 3:

Fail Fast Assessments

Align Teeth in the Software	Multiple	4 hours
Mini-Screws	Multiple	4 hours
Hands-on Self-Guided	Multiple	2 hours
Literature Review	Multiple	1 hour

Simulation Training

Align Teeth in the Software	Dr. Praveen Gill and Dr. Marcela Duran	5 hours
Mini-Screws	Dr. Sven Jensen, Dr. Marcela Duran and Dr. Irene Sanchez Amer	5 hours

Case Guidance

Case Guidance LIVE Feedback	Dr. Claudia Pinter Dr. Marcela Duran Dr. Sven Jensen Dr. Praveen Gill Dr. Philipp Koelbl Dr. Irene Sanchez Amer	1.5 hours (per session)
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Pre-Theory Challenge #1

Align Teeth in the Software **(4 hours of Study Time)**

You will explore your existing skill level through a challenge to align teeth in the software by moving the teeth from their initial position to the desired leveled and aligned state. Mastering this software skill will reduce treatment time and help you better understand the biomechanics required to achieve the final position.

This exercise will naturally generate questions that will be later answered in the lectures about aligner treatment planning and make you eager to know what the literature has to say about it.

Pre-Theory Challenge #2

Orthodontic Mini-Screws **(4 hours of Study Time)**

Our “fail fast” strategy foresees that you try to place orthodontic mini-screws in the alveolar crest, the anterior palate, and infrazygomatic and buccal shelf of the mandible in your manikin head without any training or education. This approach allows you to gather experience in a safe environment and accelerate the learning process, as you will be taught how to do it properly later in the module.

Hands-on Self-Guided

Bond Attachments

(2 hours of Study Time)

Getting precise outcomes begins with carefully executing each step. Your educator will share how to bond attachments for the perfect fit of aligners and save time with excess removal, avoiding overhangs or scratches on the teeth. You will also be provided with a guide on how to scan teeth to get precise records and do it time-efficiently. A provided “lookbook” serves as a reminder until you know each step by heart. You can also share this “lookbook” with your assistants so they can do the best job possible. For the attachment bonding exercise, you will be able to bond the attachments on the models of your manikin and document each step as described in the lookbook. The following steps will be assessed:

- *Cleaning of teeth*
- *Bonding attachments*
- *Excess removal*
- *Aligner fit*

Literature Review Assessment

(1 hour of study time)

For this assessment, you will write a summary of at least 6 sentences of the most helpful information in the articles you read. Articles around the following topics:

- 6 keys to normal occlusion
- TAD related articles
- Educator's choice

Simulation Training Overview

Simulation Training #1: Align Teeth in the Software **(5 hour LIVE session)**

This hands-on simulation training session will be the same exercise as the Pre-Theory Challenge assessment but this time under the guidance and assistance of an educator. You will be required to do a complete setup for a mild malocclusion and will be experimenting with the software to gain a better understanding of its capabilities. By exploring the available options, you will discover new features and functionalities that can help achieve learning objectives.

Simulation Training #2: Mini-Screws **(5 hour LIVE session)**

This hands-on simulation training session will focus on inserting orthodontic mini-screws (TADs) under the guidance of an educator in various areas and learning what it feels like to "hit the roots."

Case Guidance Overview

Our Case Guidance system has undergone some significant enhancements!

Moving forward, we have decided to have one of our esteemed educators provide guidance feedback on cases submitted every two weeks through a LIVE session. This presents a remarkable opportunity to receive personalized feedback on your submitted work, helping you improve your skills and aptitude. We encourage you not to miss out on this valuable opportunity to improve your performance and excel in your field.

You will receive feedback from the following educators:

- Dr. Claudia Pinter
- Dr. Marcela Duran
- Dr. Sven Jensen
- Dr. Praveen Gill
- Dr. Philipp Koelbl
- Dr. Irene Sanchez Amer



SECTION 4

CASE PRESENTATIONS

Section 4: Case Presentations

Case Presentation Assessments

Case Presentation #1 Simple Class I Malocclusion	Dr. Praveen Gill & Dr. Philipp Koelbl	2 hours
Case Presentation #2 Moderate Class I Malocclusion	Dr. Irene Sanchez Amer & Dr. Philipp Koelbl	2 hours
Case Presentation #3 Mild Class II Malocclusion	Dr. Marcela Duran & Dr. Irene Sanchez Amer.	2 hours

Case Presentations Overview

Case Presentation #1

Simple Class I Malocclusion

Good results start with proper treatment planning based on well-taken records. In previous lectures, you have learned how to take good pictures of your patients. In this assessment, you are asked to do a case presentation of ONE OF YOUR patients. Use the PowerPoint/ keynote presentation provided as a template. Include your patient's information (birth date, name, etc.), medical history, intra- and extraoral pictures, X-rays, chief complaint, diagnosis, and treatment goals, and suggest how you would solve it.

Case Presentation #2

Moderate Class I Malocclusion

In this assessment, you are asked to do a case presentation of ONE OF YOUR patients. Choose a patient with a Class I malocclusion of moderate complexity (e.g., up to 4 mm crowding, deep bite, single tooth crossbite, etc.). Use the PowerPoint/ keynote presentation provided as a template. Include your patient's information (birth date, name, etc.), medical history, intra- and extraoral pictures, X-rays, chief complaint, diagnosis, and treatment goals, and suggest how you would solve it.

Case Presentation #3

Mild Class II Malocclusion

- Analysis of records
- Problem list
- Chief complaint
- Proposed treatment plan
- Staging in approver



SECTION 5

**FREQUENTLY ASKED
QUESTIONS**

Section 5: FAQs

Frequently Asked Questions

Q. What equipment do I need?

A. Before starting the course, you must set up your aligner software. We recommend Spark, Angel Aligner, or Invisalign. You will also need a laptop or desktop computer with a webcam and microphone. Although we provide a list of consumables, we highly suggest using the resources that are already present in your clinic.

Q. What schedule do I need to do?

A. We will provide you with a link to a calendar, which you can subscribe to. This will allow all course content to appear in your calendar. Additionally, you will need to schedule hands-on simulation training with your clinic to ensure that a chair is available for you during the duration of the training. It's worth noting that case presentation assessments require patients, so please keep this in mind when scheduling your patients.

Q. How do I complete my assessments?

A. Once you have enrolled, you can access the student portal containing templates for completing all assessments. Certain assessments will require the use of a manikin, while others will require live patients.

Q. Time zone conversions are confusing - help!

A. We understand that converting time zones can be confusing. We recommend using the World Time Buddy tool to help you convert to your local time (<https://www.worldtimebuddy.com/>).

Q. I'm relatively new to orthodontics and would like to form a foundational understanding before starting FAO. What would you recommend I do to help me understand basic orthodontic principles?

A. It is advantageous to have a base-level comprehension of orthodontics to understand better why teeth and tissues behave the way they do. We recommend reading Contemporary Orthodontics, 6th Edition. Authors : William R. Proffit & Henry W. Fields & Brent Larson & David M. Sarver.



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