



COMBINATION OF FAS ALIGNERS  
AND INVISIBLE BRACES FOR  
**INVISIBLE TREATMENT  
OF ADULTS**

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**SPEAKER: DR. VITTORIO CACCIAFESTA**

May, 16<sup>th</sup> and 17<sup>th</sup>, 2024  
Pforzheim/Germany

# Preamble

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Dear Doctors,

This course offers a differential opportunity to acquire or consolidate your knowledge in orthodontic biomechanics:

The mechanical and biological basis are approached in interactive and instructive lectures in a scientific and creative way.

If you are in the beginning or middle of your specialist Orthodontic training, this course will be one of your greatest guides to understanding any appliance or orthodontic technique, especially those needed for complex cases.

If you are an experienced orthodontist, you can update yourself on the fundamentals of scientific biomechanics, which are part of our clinical life on a permanent basis.

It is a unique chance to meet one of the leaders in the industry and share knowledge with your colleagues.

The history of orthodontics has been - and will always be - governed by the physical and biological laws involved in orthodontic tooth movements. If you want to enhance and enjoy the knowledge of this history, then this course is for you!

# Aims of the course

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Delegates who attend this orthodontic course will be given the tools, techniques and confidence to immediately treat cases with invisible braces (aligners and lingual) in their own practices. You will have hands on sessions on typodonts to improve your skills with invisible braces.

You will learn the importance of interdisciplinary treatments, a careful diagnosis and how to screen your patients to select those cases suitable for invisible orthodontic therapy with or without miniimplants, with or without extractions, with or without periodontal surgery.



## Dr. Vittorio Cacciafesta

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Dr. Vittorio Cacciafesta received his dental training at the University of Naples "Federico II", Italy. From July 1995 until August 1996 he was Research Fellow at the Department of Orthodontics, Humboldt-University of Berlin, Germany. From September 1996 until August 1999 he was Orthodontic Resident at the Department of Orthodontics, Royal Dental College, Aarhus University, Denmark, where he received the Specialty and Master of Science in Orthodontics. He is "Dottore di Ricerca" (Research Doctorate) in Biotechnology of Dental Materials. From 1999 to 2009 he was Assistant Clinical Professor at the Department of Orthodontics, University of Pavia, Italy. From 1999 until 2002 he was Visiting Professor at the Department of Orthodontics, Aarhus University, Denmark, and Visiting Professor at Temple University, Philadelphia, USA. From August 2008 he has been working at Studio Cacciafesta till present time as Specialist in Orthodontics. He is certified Invisalign, Incognito and Win, and performs all

the available lingual techniques. Since February 2015 he has been working at the Harley Street Orthodontic Clinic in London for lingual treatments and at Inline Orthodontics, Stevenage, UK till present time. He was the President of ESLO (European Society of Lingual Orthodontics) for the years 2013-14, and Assistant Secretary of FEO (European Federation of Orthodontics) for the years 2003-2004. He has published over 100 refereed publications, 2 books and 5 book chapters. His main research interests are bonding materials, brackets, metallurgy, friction between brackets and wires. His main clinical interests are Lingual Orthodontics, TADs, Biomechanics, Orthodontic treatment of Adults and Multidisciplinary cases. He has been lecturing extensively in Europe, Middle East, Asia, North and South America and Africa. Currently, he practices in his own clinic in Milan, Italy and Stevenage, UK.

# Course outline

## Invisible braces and FAS Aligners

- Esthetics
- Cooperation
- Anchorage demands
- Clinical indications in Adult Orthodontics
- Biomechanical aspects

## The Social Six Concept

### Finishing Aligner Cases

- Rotational control
- Use of elastics
- Finishing Tips

### How to speed up the Alignment and Levelling Phase before FAS Aligners

- Ideal and provisional lingual bracket positions
- Which type of 2D Lingual bracket to select?
- Instruments and tools
- Opening and closing of 2D Lingual brackets (videos)
- Indirect Bonding: clinical procedure ( videos)
- Ni-Ti Archwire sequence – use of light forces and low-friction mechanics
- Lazo mechanics
- Double arch mechanics
- Use of esthetic buttons (video)
- Intrusion of maxillary and mandibular front teeth
- Conventional and non-conventional Archwire curves and bends (video)

**Hands on: Mandibular arch typodont bond up**

## Simple cases

- Relapse-Retreatment
- Simple alignment-social six
- Vertical Control
- Comparison with Aligners

## When Invisible braces can help Aligners

- Rotational control
- Impacted canines
- Curve of Spee management
- Space opening
- Extraction cases
- Torque
- Management of gingival recessions
- Uprightings
- Finishing/Artistic bends

## Archwire Bending protocols (videos)

- TMA round, squared and rectangular wires
- SS round, squared and rectangular wires
- Transverse coordination

## How FAS Aligners can finish the Lingual cases

- Scans and treatment planning
- The FAS Wizard and Occlusal Design
- The Stop and Go Concept
- Treatment time duration
- Number of brackets vs number of aligners

**Hands on: Mandibular arch typodont wire sequence and fabrication**

# Meeting Schedule and price

16<sup>th</sup>  
May

## Day 1 (morning)

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- 09.00 h Introductions and presentations
- 10.45 h Coffee Break
- 11.15 h Presentations from  
Dr. Vittorio Cacciafesta
- 12.45 h Lunch

16<sup>th</sup>  
May

## Day 1 (afternoon)

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- 13.30 h Visit to the FORESTADENT facility  
(in small groups, short technical  
demonstration, doctor participation)
- 15.00 h Coffee Break
- 15.15 h Presentations from  
Dr. Vittorio Cacciafesta
- 16.30 h End of course
- 19.00 h Get-together with dinner

17<sup>th</sup>  
May

## Day 2 (morning)

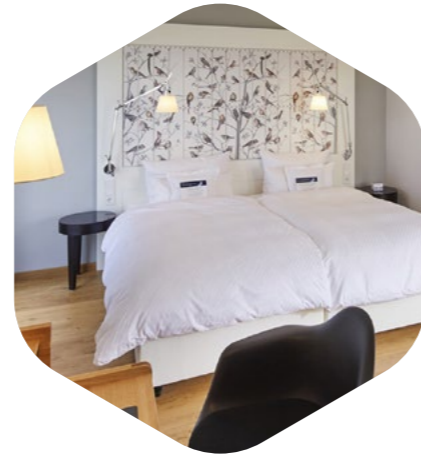
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- 09.00 h Hands-on part with  
Dr. Vittorio Cacciafesta
- 10.15 h Coffee Break
- 10.45 h Hands-on part with  
Dr. Vittorio Cacciafesta
- 12.30 h End of course and departure

€450,-  
excl. VAT

## Hotel recommendation



**Parkhotel**  
Deimling Str. 32-36  
75175 Pforzheim  
[www.parkhotel-pforzheim.de](http://www.parkhotel-pforzheim.de)



**Hotel Ibis**  
Bleichstr. 17  
75173 Pforzheim  
[all.accor.com/hotel/A9F7/index.de.shtml](http://all.accor.com/hotel/A9F7/index.de.shtml)



**Gute Hoffnung**  
Dillsteiner Str. 9-11  
75173 Pforzheim  
[www.hotel-gutehoffnung.com](http://www.hotel-gutehoffnung.com)

## Get-together with dinner



**Neo Greek Grill Bar**  
Marktplatz 4  
75175 Pforzheim

**FORESTADENT**<sup>®</sup>  
GERMAN PRECISION IN ORTHODONTICS

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