Biomechanics & TADs: The right choice for efficient and predictable orthodontics!

December 13th – 14th, 2019
Yerevan, Armenia

Course Director:
Dr. Giorgio Iodice

OrthoEasy® Pins
Dr. Giorgio Iodice
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The speaker

Giorgio Iodice received the degree in “Dentistry”, the Specialty in “Orthodontics” and the PhD in “Oral Sciences” from the University of Naples “Federico II”.

He received the Certificate of Excellence in Orthodontics in Italy (Italian Board of Orthodontics) and the E.B.O. (European Board of Orthodontics). Member of the IBO examining committee in 2013, 2015 and 2017, and of the SIDO Model Display examining committee in 2014.

Certificated for the Incognito lingual technique in 2009, from 2012 he is Clinical Professor at the Incognito Master in Naples. In 2017 he attained the Master degree in Lingual Orthodontics.

Adjunct Clinical Professor at the University of Naples Federico II and Honorary Senior Lecturer at the University of Otago (New Zealand), he is President 2018-2019 of the Italian Society of Aligners (Sialign) and Vice-President 2018-2019 of the Italian Association of Specialists in Orthodontics (ASIO), active member of SIDO, EOS, SIBOS, AIDOr and SIDA. Exclusivist in orthodontics, his main clinical and research interest are focused on the characteristics of treating adult patients, temporary anchorage devices (TADs) and the relationship between occlusion and temporo-mandibular disorders. Referee of several national and international journals, he has been author of book chapters and numerous publications in national and international journals, as well as speaker in international congresses and university masters.
The introduction of the miniscrews and the temporary skeletal anchorage systems (TADs) has determined a real revolution in orthodontics, going to modify and simplify the setting and management of the anchor, one of the key points of orthodontic treatment. However, after an initial enthusiasm linked to the possibility of avoiding the side effects related to Newton’s third law, with the increase of experience the clinicians have been able and should have noted the limits of this method.

The insertion of TADs in a vestibular or palatal inter-radial site is associated, in fact, with a reasonable possibility of failure. This datum, first clinical, now supported by scientific evidence, is linked to the intrinsic characteristics of the chosen site, bone quality and inter-radicular space. All these factors can lead to a reduction in primary stability, with a consequent failure of TADs and important repercussions on the management of the anchor. Interference during the orthodontic movements of the TADs positioned in an inter-radicular position is of no less importance. The use, instead, of the front portion of the palate for the insertion of TADs allows to overcome these and other limits, ensuring qualitatively and quantitatively better bone characteristics and, at the same time, the absence of interference during orthodontic movements. The use of palatal skeletal anchorage therefore offers clinicians new and promising opportunities, with the possibility of developing many devices for the most varied orthodontic objectives.

The two-days course will be aimed at illustrating the advantages and disadvantages of buccal and palatal TADs, the characteristics, the simple clinical procedures, as well as the possible risks and complications. All the clinical phases and components necessary for the development of orthodontic skeletal anchoring devices will be analysed in detail. Finally, clinical examples will be analysed of the most varied orthodontic possibilities offered by this innovative method. Our goal will be to increase the knowledge and confidence of the clinician in the application of TADs, through the analysis of the most diverse clinical situations. Finally, the PRACTICAL part of the course offers the possibility of simulating various procedures for the application and management of devices with skeletal anchorage.
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Course Outline

Materials that every participant should bring

- Weingart plier
- Mathieu ligating plier
- Bird beak plier
- Ligature Orthodontic cutter
- Distal cutter for archwires
- Lingual Arch Forming Plier

Day 1

8.30-9.00 course registration
9.00-11.00 Anchorage in orthodontics
Skeletal anchorage in orthodontics
Clinical indications for the use of TADs in orthodontics
11.0-11.30 break
11.30-13.30 TADs: Instruments Features, Guide to sites selection and insertion protocol
Clinical procedures
Risks and complications
13.30-14.30 lunch
14.30-17.30 Presentation of clinical examples of the different clinical situations

Day 2

9.00-11.00 Anchorage in orthodontics
Limits of conventional orthodontic anchorage
Inter-radicular skeletal anchorage limits
Ortho Easy PAL system
Direct Insertion Protocol
Indirect Insertion protocol: insertion guide and digital planning, advantages and limits.
Clinical indications for the use of orthodontic systems with palatal skeletal anchorage
11.00-11.30 break
11.30-13.30 Maxillary expansion with palatal skeletal anchorage
lunch
13.30-14.30 Distalization with palatal skeletal anchorage:
FROG and DistalSlider
Mesialization and management of agenetic cases with palatal skeletal anchorage:
MesialSlider
Risks and complications
Presentation of clinical examples of the different clinical situations

Day 1

THEORETICAL PART
- Anchorage in orthodontics
- Skeletal anchorage in orthodontics
- Clinical indications for the use of TADs in orthodontics
- TADs: Instruments Features, Guide to sites selection and insertion protocol
- Clinical procedures
- Risks and complications
- Presentation of clinical examples of the different clinical situations

PRACTICAL PART
- Insertion of TADs in resin cast
- Uprighting spring bending and activations

Day 2

THEORETICAL PART
- Anchorage in orthodontics
- Limits of conventional orthodontic anchorage
- Inter-radicular skeletal anchorage limits
- Ortho Easy PAL system
- Direct Insertion Protocol
- Indirect Insertion protocol: insertion guide and digital planning, advantages and limits.
- Clinical indications for the use of orthodontic systems with palatal skeletal anchorage
- Maxillary expansion with palatal skeletal anchorage
- Distalization with palatal skeletal anchorage:
  FROG and DistalSlider
- Mesialization and management of agenetic cases with palatal skeletal anchorage:
  MesialSlider
- Risks and complications
- Presentation of clinical examples of the different clinical situations

PRACTICAL PART
- Typodont simulation of orthodontic procedures for the use of orthodontic systems with palatal skeletal anchorage.
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Location: „BASS BOUTIQUE“ HOTEL
Address Armenia, 0019, Yerevan
Aygedzori St., 3/1 Building

Price: 130,000 AMD for AOA members
150,000 AMD for non AOA members

Dates: December 13th – 14th, 2019
Time: 08:30 am – 17:00 pm
For whom: Orthodontists

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