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BIOFUNCTIONAL DYNAMICS RESEARCH ACADEMY

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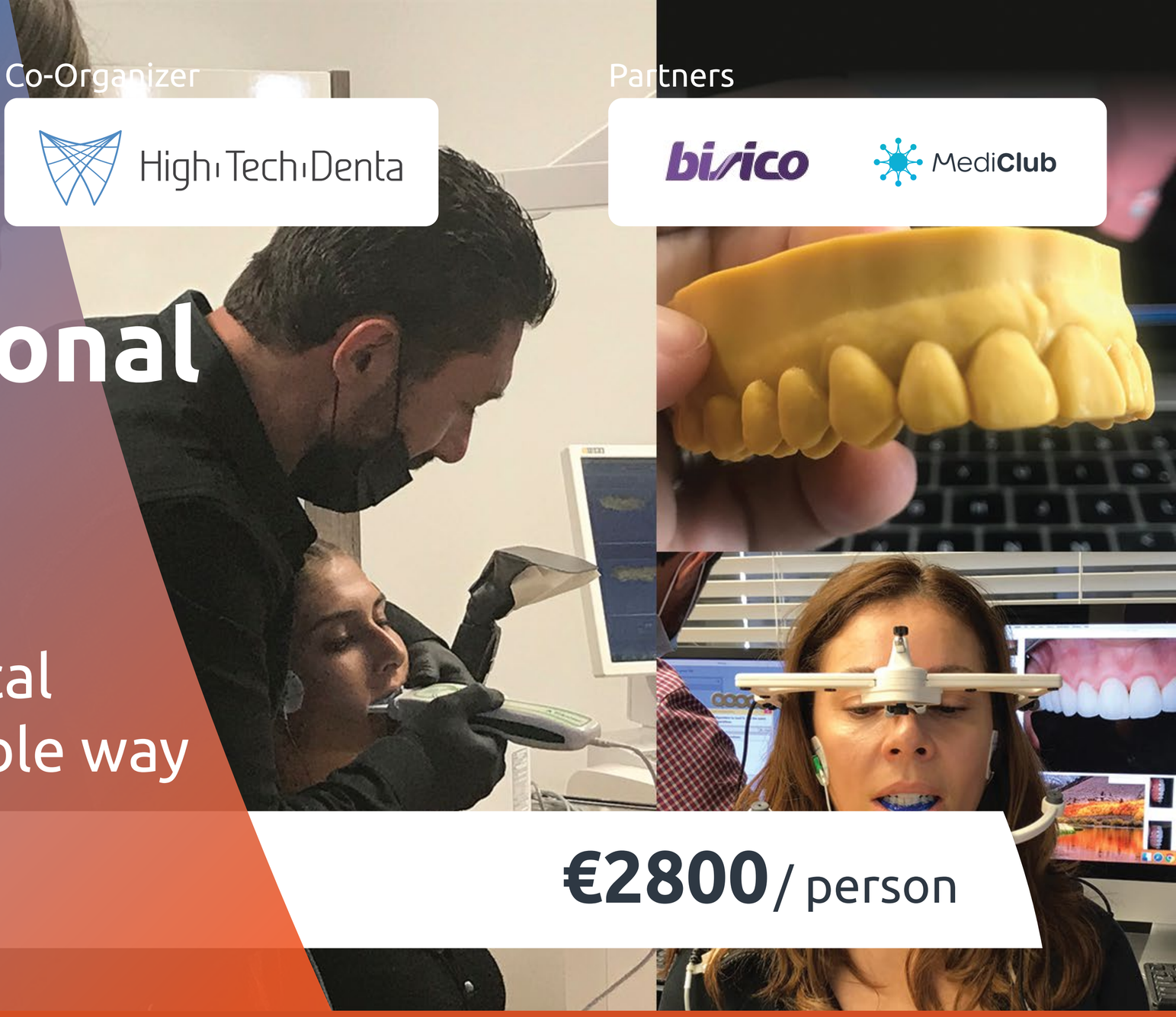
Digital Functional Esthetics.

Level 3

How to increment vertical dimension in a predictable way



6-7 March 2020

8F Jeanne Barret str., Parc Valmy, Dijon

€2800/ person

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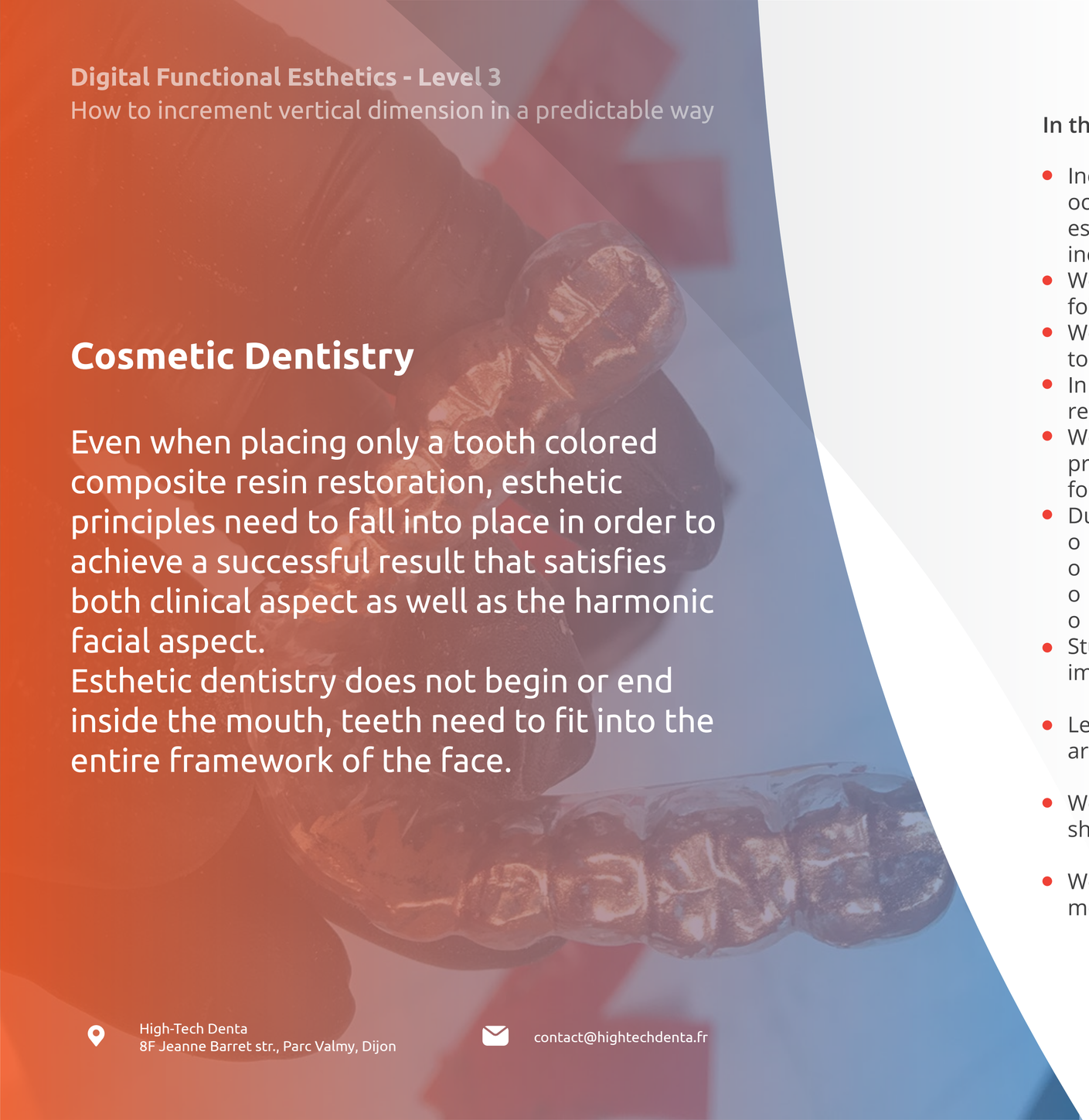
Digital Functional Esthetics - Level 3
How to increment vertical dimension in a predictable way



Cosmetic Dentistry

Even when placing only a tooth colored composite resin restoration, esthetic principles need to fall into place in order to achieve a successful result that satisfies both clinical aspect as well as the harmonic facial aspect.
Esthetic dentistry does not begin or end inside the mouth, teeth need to fit into the entire framework of the face.

In this course we will:

- Include the concept studied during Level 1 and Level 2 about the physiology of occlusion. In addition , during this Level 3 , we will combine digital planning for a esthetic case taking into consideration how much vertical dimension should be increased based in facial harmony.
- We will plan a case starting from : facial analysis to establish the esthetic harmony , followed by taking the appropriate vertical dimension for the esthetics.
- We will integrate the data to manufacture a functional mock up for top and bottom, to transition in the next Level 4 to prep for permanent upper ceramics.
- In this course you will understand when to add and when to remove for a proper restorative phase.
- We will start the process for analysis for function (gathering of records, pictures), proceed with planning digital using NEMO , printing STL , manufacturing of matrixes for temporization, and mock up presentation.
- During the course we will emphasize on :
  - Incisal display
  - Gingival display
  - Influence of the natural head posture and facial esthetics
  - Difference between an emotional mock up versus a functional diagnostic wax up
- Students will learn the capability of 3D Data Integration from CBCT intraoral impressions, facial scans and pictures.

- Learn how to transfer the digital records for the smile design to the analog articulator

- We will go over the 3 different alternatives of long term mock ups : transitional shells , palatal support, and matrix

- We will review equilibration and coronoplasty techniques briefly for this specific mock up presentation (Level 1 and Level 2 is more in depth).

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This course is not a software course.
The attendants will have the opportunity to see the entire process for data collection, case presentation , digital planning, designing, printing, to functional occlusal adjustments.

The students will have hands on practices on how to :

- Manufacture matrixes from printed models
- Mount occlusal plane based on the pupil line or long axis of the face. When to use which landmark or reference? They will practice with Full Face pictures that will be provided for them printed (as a handout) to mount the occlusal plane on an occlusal table. Practice is based in different cases, and different scenarios.

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Dr. Javier **Vasquez**

USA

Dr. Vasquez is the owner of Doral Dental Lab, a high end esthetic dental laboratory in Miami. Dr. Vasquez specializes in full mouth rehabilitation and cosmetic restorations. He was granted his Doctor of Dental Medicine degree at the Metropolitan University in 1997, in Colombia.
Dr. Vasquez moved to the United States in 1999 and that's when he realized that being a dentist is not only about maintaining the dental health of patients. His clinical approach combines a multidisciplinary treatment and planning that involves the importance of full body posture , cranio analysis and cervical analysis.
Dr. Vasquez finished all the curriculum at LVI as a dentist and as a master technician. He also finished all 7 levels at Occlusion Connection , institute lead by Dr. Clayton Chan. He has been trained in Neuromuscular dentistry by the biggest authorities for the past 12 years. Dr. Vasquez also received his Fellowship in Research from ICCMO (International College of Craniomandibular Orthopedics) in 2009 in Japan and his Mastership in 2010 in Arizona.

Digital Functional Esthetics - Level 3
How to increment vertical dimension in a predictable way

Day 1 / 6th March

Lecture :

How each case starts.

- **Facial Esthetics analysis**
  - Records
  - Incisal display – borde incisal superior

- **Occlusal plane :**
  - vertical dimension
  - Occlusal plane compensations and considerations
  - Caliper – to measure bites

Treat a patient from beginning to the end, going back to basics: retro engineering.

Take a vertical dimension based in the facial esthetics needs

Explain different workflows: Taking bite first to design mock up, or design mock up and take bite at the time of mock up presentation.

DEMO on live patient:

- Take pictures
- CBCT
- Digital Impressions (generate STL's)
- Nemo Design (1st Day afternoon) (we need the projector to show design screen)
- Everyone will be tensing while Demo of the Smile design is going on

HANDS ON PRACTICE:

- Take bites on each other (groups of 2) based on the facial esthetics of each participant
- Fill out handout with considerations when taking bite – for notes and review in group discussion

DEMO:

Nemo Design will be finished and will be sent to print for 2nd Day of the course.

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Day 2 / 7th March

Lecture:

- 1st day review main points
- Mock up presentation hands on Demo on Live patient
- How to drive the mock up ? towards a semi permanent case? Or as a transition to permanent crowns?
- Permanent cementation of mock up
- Go over cases that need crown lengthening, how to present the alternative and need for these procedures. Also go over mock ups guiding orthodontics .

DEMO:

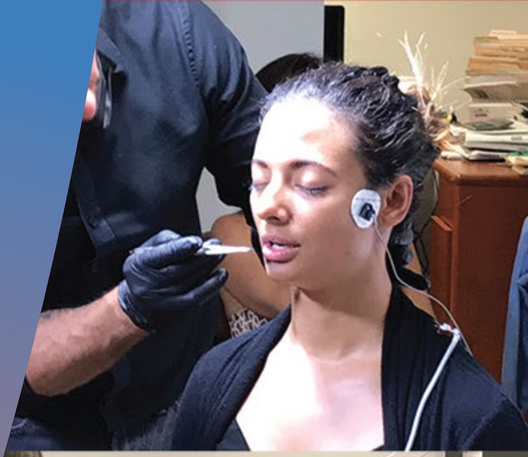
JAW Tracking

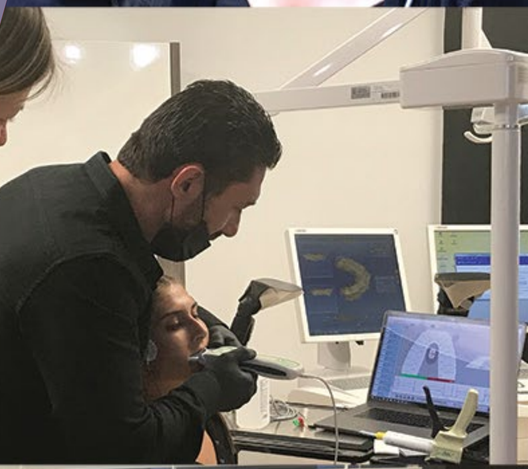
HANDS ON PRACTICE:

Each attendant **MUST** bring their own models of their own mouth : good quality, no tags, or bubbles . Students will use their own models to make a dento gingival analysis

DEMO:

Patient equilibration





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Limited places!

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