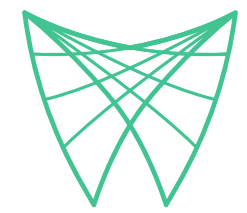
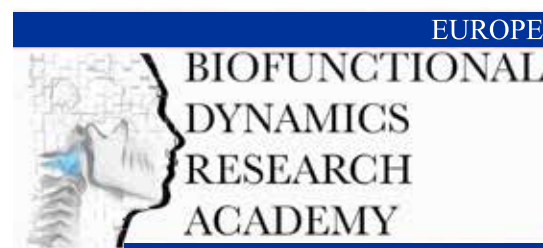
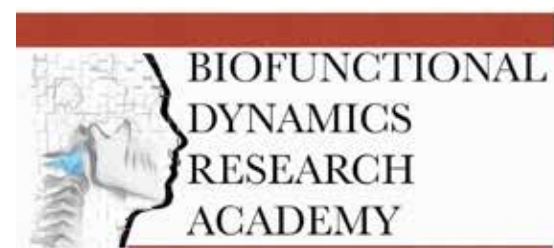


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# Introduction to the Concept : Biofunctional Dynamic Occlusion Level 1

15-16 July 2019

8F Jeanne Barret str., Parc Valmy, Dijon

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# Introduction to the Concept : Biofunctional Dynamic Occlusion

Level 1



Dr. Javier Vasquez

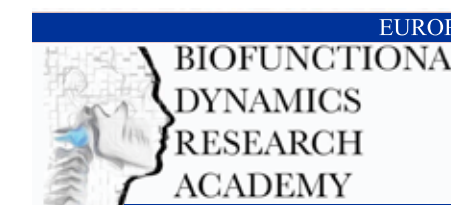


USA

For years the human being has been trying to make the analysis of the function based on artificial movements or under the influence of manipulation to force and believe in a hinge axis rotation.

The real organic movement is a compensatory reaction between the glenoid fossa and the eminence into the condyle as a result of the dynamics of the cervical spine and not only the condyle as a unique mobile component into the functional system. After hundreds of cases of kinematic studies utilizing advanced jaw trackers that allowed to visualize the CBCT's in motion, we can see that many of these concepts that became dogmas are unique movements for each individual. The concept of Biofunctional Dynamics are a combination of the concepts of Professor Dr. Mariano Rocabado law of the 50-50 in conjunction with physiological concepts of muscle balance, joint decompression and occlusal stability.

This part of the lecture will also cover the different factors that influence mandibular trajectories taking as a consideration internal joint derangement, postural problems, muscle disharmony, facial asymmetries, and occlusal interferences.



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## Dr. Javier Vasquez

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.



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# Day 1 / 15 Jul

## Analysis of the body as an entire unit

### Postural compensations

### Records for full body analysis

- Specificity of the movement of the cranial cervical structures
- The law of 50-50
- Defining normality in static position and dynamic movements
- Action reaction law
- Rocabado lateral and AP cephalometric analysis
- Cráneo cervical assessment by palpation
- Correlations between similar assessment with pictures with 2d X-rays
- Defining ideal posture kyphosis lordosis
- Understanding head forward posture and the variables and implications
- Static atlas syndrome and implications
- Anatomical variables : Ponticus posticus
- Influence of posture in cephalics
- Vascular headaches and neuropathies

## Mandibular trajectories

### Muscular component

- Factors that affect mandibular trajectories
- Muscles basic vector direction and functions
- Muscle function in the stomatognathic system
- Influence of muscles in mandibular trajectories

### Arthrokinematics of the sinovial compartment

- Understanding kinematics and osteokinematics
- Main components of the temporo mandibular joints
- Pain mapping
- Difference between chronic and acute disorders and the influence in mandibular movements.
- Clinical assessment of the temporomandibular joint
- Visual analysis of the movement
- Clinical history



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Day 1 / 15 Jul

/ **HANDS ON**

- TENS bite

*Students must have a set of models of themselves*

*Material needed for bite registration practice*

- Occlusal tables
- Analysis of the occlusal plane
- Clinical and applications
- Tricks and pearls



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# Day 2 / 16 Jul

## Facial asymmetries

- Facial asymmetries of craniocervical origin - Understanding the influence of cervical structures in mandibular movement
- Real facial asymmetries
- Triplanar analysis

## Introduction of the craniocervical concept

- Influence of dental interference in mandibular movements
- Influence of proprioception and osteoception

## Implementation of instrumentation

- Understanding muscles fighting sequence
- Muscle interpretation to determine mandibular position
- Physiology of the muscles
- Introduction to electromyography
- Muscle fatigue
- Muscle torque
- Insufficient occlusion

## Implementation of instrumentation

- Centric relation
- Habitual occlusion
- Neuromuscular trajectory
- Optimized trajectory
- Phonetics
- Swallowing patterns



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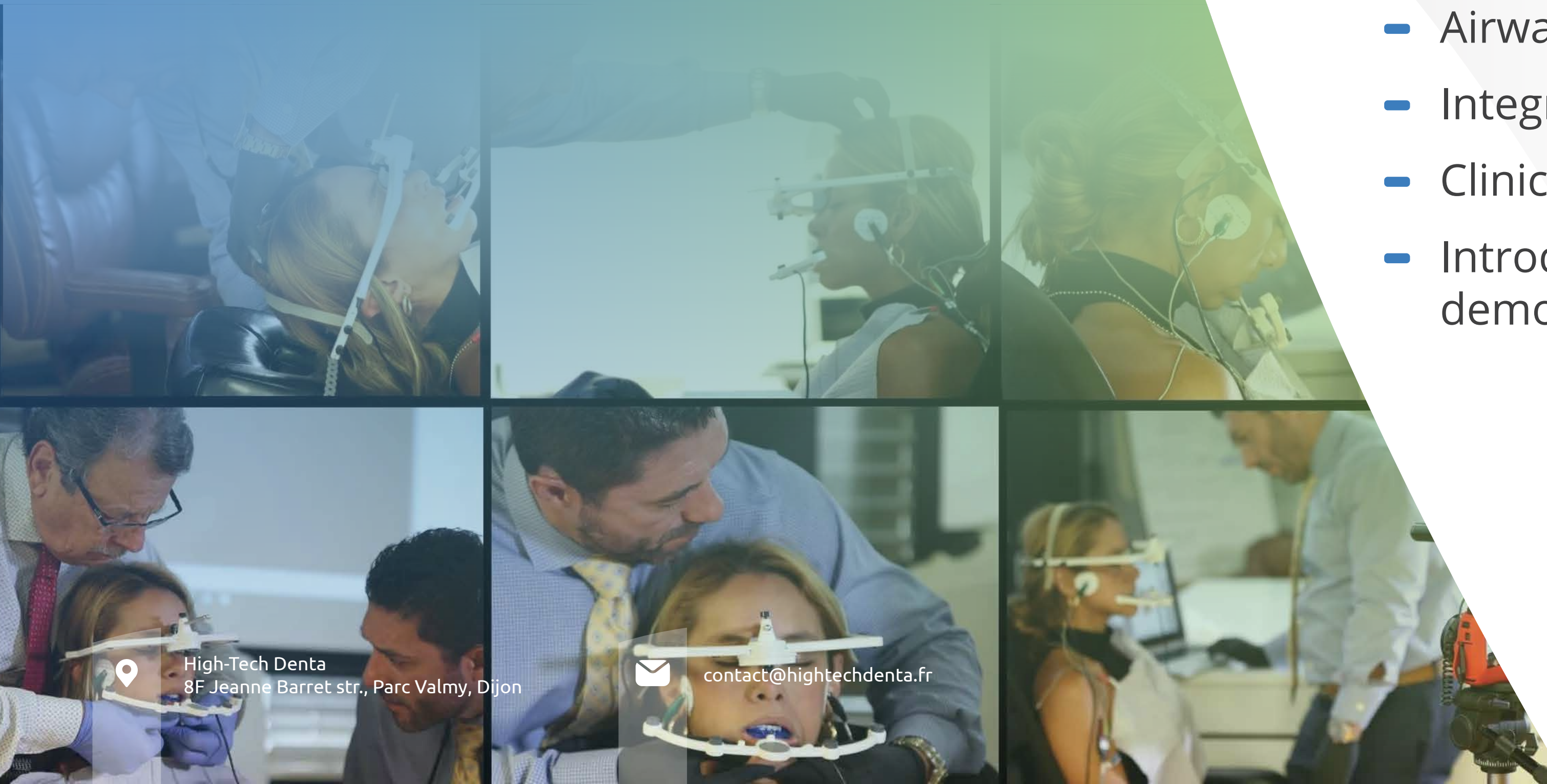
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Day 2 / 16 Jul

**/ HANDS ON**

- Analysis of a tridimensional CBCT
- Structural Analysis
- Joint position
- Joint integrity
- Airway
- Integration of function
- Clinical protocols
- Introduction to SICaT function and JMT demonstration



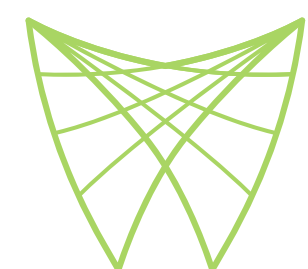
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