

VieSID[®] / Vienna School of
Interdisciplinary Dentistry
Education in Occlusion Medicine

CONTINUUM ORTHODONTIC



UNIVERSITY CLINIC OF DENTISTRY
MEDICAL UNIVERSITY OF VIENNA

The courses of the Medical University of Vienna are operated by
the Vienna School of Interdisciplinary Dentistry

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Interdisciplinary Dentistry
Education in Occlusion Medicine

VieSID® - Vienna School of Interdisciplinary Dentistry
The Slavicek Foundation e.V.
Wiener Schule für interdisziplinäre Zahnheilkunde
ZVR-Zahl: 486412109

Wasserzeile 35
3400 Klosterneuburg
Austria
www.viesid.com

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ABOUT

Orthognathology Clinical Course (based on Prof. Sadao Sato concept)

The main objective of the VieSID Orthodontic Continuum is to teach diagnostic and therapeutic methods based on Prof. Sadao Sato's concept of orthognathic medicine. These methods are based on the principles of orthodontics view, as a comprehensive medical discipline, focusing on the stomatic system as a whole, including occlusion, jaw relationship, the masticatory muscles and the TMJs and the effects that orthodontic changes introduce in this system. Thus, Prof. Sato considers the masticatory system as a functional unit consisting of se-

veral elements including teeth, periodontium, temporo-mandibular joints, muscles, ligaments, soft tissues (lips, tongue), salivary and neuromuscular systems. These components are directly involved in the maintenance of correct functions and should be taken into consideration while formulating a diagnosis and a treatment plan. Furthermore, in this course, the effects of dysfunctions of the stomatognathic system on the rest of the body are discussed.



ABOUT

The stomatognathic system and the mandibular structures are capable of a certain degree of adaptation. Prof. Sato teaches how to exploit this property for effective orthodontic treatments, solving functional problems by acting on the etiology of the dysfunction rather than on the symptoms, or just based on esthetic principles. Prof. Slavicek and Prof. Sato agree that this kind of approach allows for stable results and even permits

to treat challenging cases, otherwise recommended for surgery. The course focuses also on early diagnosis and treatment of malocclusions in the youth. Thus, functional development from childhood to adulthood are a topic of this course. Techniques and devices used for early treatment are amply discussed, including their indications and limitations according to the lecturer's experience and the international literature.



In the treatment of skeletal malocclusion there are important parameters that need to be taken into consideration for a correct diagnosis, including the inclination of the occlusal plane and the vertical posterior distance. Prof. Sato's and Prof. Slavicek's diagnostic approach comprises a cephalometric analysis in addition to medical, functional and instrumental analysis (condylography, clinical functional analysis, articulated casts, etc.).

Following a thorough diagnosis, Prof. Sato's Multiloop Edgewise Arch-Wire (MEAW) or Gunmetal Edgewise Arch-Wire (GEAW) techniques can be applied. MEAW and GEAW use 16 x 22 steel wire and gummetal wire, respectively, for correcting severe malocclusions also in dysfunctional patients. During the course, it is explained how to properly use and activate these wires for a positive treatment outcome.

LECTURERS AND ASSISTANTS

Dr. Miguel Assis, DDS, MSc



Dr. Miguel Assis is a specialized orthodontist practicing the concepts of interdisciplinary dentistry while educating himself through postgraduate courses on advanced orthodontic techniques and function and dysfunction of the masticatory system at various schools, including a Master of Science in prosthodontics at the

Medical University of Vienna, the Kanagawa Dental University, Japan, and the Santiago de Compostela University. He attended the VieSID courses before becoming a VieSID instructor himself. His expertise includes the use of condylography as monitoring tool supporting the diagnostic assessment.

Dr. Alejandra Londoño, DDS, MSc



Dr. Alejandra Londoño is an orthodontist specialized in functional analysis of the masticatory system and condylography. Her experience derives from advanced studies, her clinical practice and research activities. She graduated and specialized in orthodontics in Colombia and obtained a Master of Science in Prosthodon-

tics at the Medical University of Vienna. She successfully conducted further postgraduate studies at the Danube University, Austria and Kanagawa Dental University, Japan. She attended the VieSID courses before joining the VieSID team as instructor.

Dr. Paola Mancía, MSc



Dr. Paola Mancía first graduated in dentistry through "Tor Vergata" University in Rome. In 2009 she attended a postgraduate course on function and dysfunction of the masticatory organ, at Danube University, Krems, with Prof. Slavicek and studied further with Prof. Sato attending the VieSID Orthodontic Course. She lec-

tures in various courses and actively participates in congresses and workshops. In her private office in Rome, she focuses on the diagnosis and orthodontic rehabilitation of dysfunctional patients. She assists in VieSID courses since 2016.

Dr. Diana Baddredin, MSc



Dr. Diana Baddredin graduated from the Medical Universities of Krasnodar and Barcelona, and further studied in Italy and Austria. Supervised by Prof. Slavicek, she obtained a MSc in Dental Sciences at Donube University, Krems. She then specialised in functional orthodontics and occlusal medicine with Prof. Sato. She gained

invaluable clinical experience while assisting Prof. Slavicek and joined the VieSID team of lecturers in 2014. Her range of expertise includes orthodontics, condylographic analyses, the treatment of cranio-mandibular dysfunctions, and posture correction.

CONTENT

Development of Malocclusion, Evolutionary and Ontogenetic Perspectives

- The evolution of modern humans. Concepts of facial growth: the causes of malocclusion
- Development of prognathic and retrognathic malocclusion: evolutionary insights
- Occlusal plane control as a therapeutic goal
- Cephalometric analysis
- Dynamic aspects of the craniofacial complex in relation to skeletal asymmetries
- Vertical dimension: the cause for different kinds of malocclusion
- Differential diagnosis of open-bite

Orthodontic Practice

- The biomechanics in orthodontics: tooth movement and orthodontic forces
- Description of different arches such as GEAW, MEAW, MOAW, SMOM, DAW and MULLIGAN
- Activation of the MEAW, tip-back bend, step bend and torque control
- Orthodontic photography
- The positioning of brackets, the construction of loops and their meaning
- Presentation of numerous cases

Fundamental Concepts of Gnathology

- Anatomy of the stomatognathic system
- Orthodontic-gnathological visit (dental and medical history, palpation muscle, TMJ palpation)
- Analysis of the dental models
- Functional periods of development: shape and function
- Gnathological concepts and principles of functional occlusion according to Prof. Slavicek
- Cephalometric analysis in a functional perspective
- Bruxism: function and dysfunction (research findings by Prof. Sadao Sato and collaborators)
- The brux-checker

Treatment of Malocclusion

- Treatment of skeletal class III hyperdivergent and hypodivergent malocclusions in juveniles and adults
 - Presentation of diagnosis and treatment plans in different patient cases
 - The control of the occlusal plane. Posterior discrepancy and extractions of third molars
 - Treatment of open skeletal configurations
 - Treatment of mandibular functional asymmetries in juveniles and adults
 - Orthodontic treatment of dysfunctional patients
 - Orthodontic treatment of crowding without premolar extraction
 - Extractions of premolars and its functional and clinical consequences
 - Multidisciplinary treatment of complex cases
 - The usage of Tads
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GENERAL INFORMATION

Host	Medical University of Vienna & University Clinic of Dentistry Vienna
Organized by	VieSID [®] Vienna School of Interdisciplinary Dentistry in cooperation with the Medical University of Vienna
Lecturers	Orthodontic Continuum Part 1: Dr. Alejandra Londoño, Dr. Miguel Assis Orthodontic Continuum Part 2: Dr. Alejandra Londoño, Dr. Miguel Assis
Course language	English / Russian / Spanish
Requirement	Successfully completed VieSID Basic Curriculum
Target group	Dentists
Certificate	The Orthodontic Continuum is divided into 2 parts. Completing Part 1 is a necessary condition for joining Part 2. Successfully completion of Part 1 is confirmed by a certificate of attendance. The course certificate is issued by VieSID and the Medical University of Vienna after completion of Part 2.
Venue	Dental University Clinic of the Medical University of Vienna, Sensengasse 2, 1090 Vienna, Austria
REGISTRATION	Please register at: www.viesid.com or send your registration form to: info@viesid.com

To guarantee intensive and effective lessons, the maximum number of participants is limited.
Further information about price and dates on www.viesid.com

For detailed information please contact:

VieSID® Vienna School of Interdisciplinary Dentistry
phone: +43(0)2243 21962
e-mail: info@viesid.com

www.viesid.com