

# VieSID Basic Curriculum 2022 - 2023



UNIVERSITÄTSZAHNKLINIK  
MEDIZINISCHE UNIVERSITÄT WIEN

This course of the Medical University of Vienna is operated by the  
Vienna School of Interdisciplinary Dentistry

**VieSID** | Vienna School of  
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

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## OCCLUSION AND FUNCTION

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The functional role of dental occlusion is hotly debated within the field of Dentistry and Oral Medicine. Is occlusion associated to oral dysfunctions? Is it an etiological factor to temporomandibular disorders? Should it be altered to solve dysfunctions of the stomatognathic system and how? To address these points a deep knowledge of the masticatory organ and its functions is necessary. The masticatory organ should be regarded as a functional element integral to the human organism. Thus, understanding its kinematics and relationships to its surrounding structures is crucial.

Further factors challenge the modern Dentist: contemporary humans live longer than archaic Homo, and their diet is based on soft and refined food, which alters the normal growth and development of the masticatory structures. Thus, chewing, once the primary function of the oral structures, seems to have lost its relevance. However, the effect of malocclusion and dysfunction on verbal expression, aesthetics, posture, and non-masticatory habits such as clenching and bruxing, is matter of intense debate in modern Dentistry and related disciplines.



## **INTERDISCIPLINARY APPROACH TO DENTISTRY**

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Dental medicine is under continuous development. Novel scientific findings, technical and mechanical advancement contribute to the improvement of diagnostic and treatment approaches for orofacial dysfunctions, with increased tendency towards complex, 3D image-based techniques.

The complexity of the masticatory organ and the multifactorial nature of the disorders affecting it, call for an informed use of concepts and tools proper to Interdisciplinary Dentistry.

Deep knowledge of anatomy, physiology and biomechanics are crucial for the correct implementation of diagnostic and therapeutic tools available within the realm

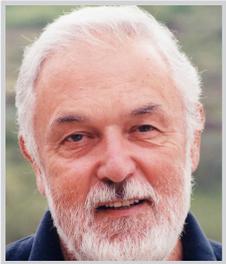
of Dentistry and related disciplines, and, thus, for the successful treatment of the patients and their safety. Hence, continuous education is crucial for the Dentist. The main goal of the Vienna School of Interdisciplinary Dentistry (VieSID) is to provide the dental clinicians and technicians a cross-curricula, up-to-date, comprehensive education through its highly educated and experienced Instructors.



## VieSID Hosts AND LECTURERS

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### **Prof. Dr. Rudolf Slavicek 1928 - 2022 † Mentor & Mastermind**



Rudolf Slavicek was an internationally renowned authority in diagnosis, treatment planning and therapy based on the principles of Interdisciplinary Dentistry, for which he has contributed to set the standards. Beginning from the 1970s, he

worked and lectured in various Countries, including Universities in Austria and the rest of Europe, Asia and USA, inspiring generations of young Dentists. He was always a point of reference for the VieSID community and instructors.

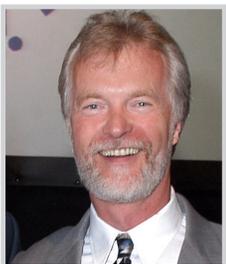
### **Prof. DDr. Eva Piehslinger**



Eva Piehslinger is the director of the Prosthetic Department of the Medical University of Vienna, and is therefore responsible for the research, educational and clinical activities of the Department. She is also the director of the postgradu-

ate Master of Science in Prosthetics and of the VieSID courses of the Medical University of Vienna. She is a close collaborator to VieSID as a member of its scientific board.

### **Dr. Kim Parlett, DDS, MSc**



Kim G. Parlett is in private practice in Bracebridge, Ontario, Canada. His practice is dedicated to the treatment and rehabilitation of dysfunctional patients. For over 3 decades, he has practiced a variety of hard and soft tissue

techniques to provide predictable implant supported Prosthodontic and Orthodontic solutions centered around optimal function and esthetics. He received his doctorate of Dentistry from the University of Toronto and obtained a Master of Science in Advanced Dentistry in 2004 through the Donau University, Austria under the guidance of Professor Slavicek.

### **Andriy Klovanets, DMD, MSc**



Andrew Kovanets is specialized in Prosthodontics, Oral Surgery and Implantology, and in the diagnosis and treatment of TMD. He first graduated at Danylo Halytsky Lviv National Medical University, Ukraine. He graduated as MSc in Prost-

hodontics through the Medical University of Vienna and acquired further postgraduate education through the VieSID courses. He became a lecturer for VieSID in 2018.

## VieSID Hosts and Lecturers

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### **Dr. Daniele Togni, MSc**



Daniele Togni is specialized in Dentistry and Dental Prosthesis which he practices based on the most modern gnathological principles. He obtained his Medical degree from the University of Milan, Italy in 1988 and in 2011 concluded suc-

cessfully the Master of Dental Sciences at Danube University Krems, under the supervision of Prof. Slavicek. He joined the VieSID team as an instructor in 2015. His points of strength are the deep knowledge of the dental literature combined with the use of interdisciplinary dentistry tools.

### **Dr. Ian Tester, DDS, MSc**



Ian W. Tester is a Fellow and Past President of the Canadian Academy of Restorative Dentistry and Prosthodontics (CARDP) and a member of numerous dental organizations including the American Academy of Restorative Dentistry (AARD). He practices general dentistry in St.

Catharines with a focus on complex, dysfunctional patients which he treats using interdisciplinary approaches. Under Prof Slavicek guidance, he obtained a Master Degree in Dental Sciences at Donau University in Krems Austria, in 2004. Since then, he has been lecturing internationally on complex treatment planning, including functional diagnostic and treatment of dysfunction based on occlusal reconstruction.

### **Dr. Miguel Assis, DDS, MSc**



Miguel Assis is a highly 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 organ at various Schools, including a MSc in Prosthodontics at the Medical University of Vienna, the Kanagawa Dental University, Japan, and the Santiago de Compostela University. He also 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**



Alejandra Londoño is an orthodontist specialized in the functional analysis of the masticatory system and condylography. Her experience in the topic derives from the advanced studies she conducted, her clinical practice and research

activities. She first graduated and specialised in Orthodontics in Colombia, and then obtained an MSc in Prosthodontics, Medical University of Vienna. She successfully conducted further postgraduate studies at Danube University, Austria and Kanagawa Dental University, Japan. She attended the VieSID courses before joining the VieSID team of instructors.

## **VieSID Hosts and Lecturers**

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### **DT Karin Graichen, MSc**



Karin Graichen is a highly experienced teacher in dental techniques, and joined the VieSID team in 2008. She began to work as dental technician in 1990, opening her own dental laboratory 10 years later. She now coordinates a large team

of collaborators in her laboratory. Her postgraduate education includes an MSc in Dental Science for Dental Laboratory at Danube University Krems, Austria.

### **DT Stefan Thunert, MSc**



Stefan Thunert is a specialist for functional and aesthetical dental technology following the VieSID concept in reconstructive dentistry. He owns a dental laboratory since 2000 and achieved a Master of Science at the Danube University in

Krems in 2011. He joined the VieSID lecturer team in 2014 giving lectures and teaching in workshops.

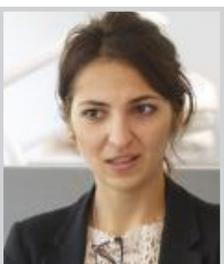
### **Dr. Anastasia Saltykova**



Anastasia Saltykova is a teacher of VieSID specialized in the application of the clinical instrumental functional analysis. She graduated at Moscow University, Russia and got a Master in Dental Science at Danube University Krems, Aust-

ria. She was a scientific assistant at Danube University Krems and has joined the VieSID team in 2008 and operates a private practice in Moscow.

### **Dr. Diana Badreddin, MSc**



Diana Badreddin first graduated at the KS medical University in Krasnodar, Russia, and studied further in Italy and Austria. Supervised by Prof. Slavicek, she obtained an MSc in Dental Sciences through the Donau University, Krems, and special-

ized in functional orthodontics and occlusal medicine in a three-years course by Prof S. 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 analysis, treatment of cranio-facial dysfunctions, as well as posture correction.

## THE CURRICULUM

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The Vienna School of Interdisciplinary Dentistry - VieSID Basic Curriculum is conceived as a comprehensive theoretical and hands-on course in Functional Dentistry, and is based on Professor Rudolf Slavicek's concept. The teachings of the VieSID Curriculum can be effectively implemented in the daily practice by dentists, dental technicians and experts from related professions. It is developed into three 5-days-long modules. Each

module includes theoretical and practical lessons and requires active participation of the attendants. The theoretical classes are aimed at informing about cranio-mandibular function and dysfunction. The practical lessons are meant to train the participant in all the phases of the functional diagnostic, including the interpretation of the clinical evidence.



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Supported by the VieSID Instructors, every attendee carries out diagnostic work-up, documentation and case planning on their own patients. Their clinical work is assessed and discussed with the Instructors so as to allow immediate application of the content of the course and thus ensure optimal fruition. The participants will acquire the ability to critically evaluate and consider important aspects of the best available practice in Dentistry and the latest technological developments.

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## TOPICS

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### **The cranio-mandibular system:**

- Anatomy
- Neuro-muscular system
- Evolution
- Phylogenesis and ontogenesis
- Cybernetic concept
- Functions of the masticatory organ
- Occlusion
- Functional geometry

### **Reference position**

Bite Registration to define the position of upper jaw and lower jaw in relation to the TMJ  
Discussion of different methods including theoretical and practical lessons

### **Condylar registration**

Registration based on anatomic and true hinge axis using the jaw tracking system Cadiax Compact 2 and Cadiax 4 systems. The following clinical procedures are practiced between the participants:

- Customization and mounting of the mandible clutch (tray and functional occlusal clutch)
  - Mounting of the condylograph face-bow system
  - Localization of the patient's individual true hinge axis
- by using both a mechanic (graphic) and electronic methods.
- Registration of the dynamic condylar tracings of the mandibular movements, including standard open-close, medio- and laterotrusive movements, as well as speech, chewing and bruxism.
  - Orthopedic standard analysis of the TMJ
  - ECPM position analysis of the mandible

### **The condylographic tracing**

Standardized approach to the evaluation of the condylographic outcomes including differential diagnosis

### **Articulator programming**

Patient-specific setting of the condylar housing at the sagittal and transversal plane, considering TMJ retral movement patterns

### **Articulator transfer**

Mounting of the upper cast according to the true hinge axis, and of the lower cast using the Reference Position record

## TOPICS

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### **Cephalometric**

Analysis of the cephalometric data including:

- Identification of the landmark points and contours (including practice on the x-ray images using CADIAS software)
- Data transfer of the condylar tracings to ceph
- Skeletal types, individual norms, skeletal, dental and functional values

- Concept of relative condylar inclination (RCI)
- Importance of occlusal plane inclination
- Understanding of compensation mechanism
- Discussion of the skeletal configuration of the patient and its functional interpretation

### **Functional diagnostic of the anterior teeth**

Including practical exercise

### **Condylar position measurement (CPM)**

### **Correlations and differential diagnosis**

### **Discussion on initial therapy**

### **Principles of wax-up techniques**

Discussion of dental Class I, II, and III, and cross bite  
Practical exercises on dental Class I cases

### **Case documentation**

Presentation and discussion of patient cases

### **Summary and examination**

## GENERAL INFORMATION

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<b>Course Host</b>	Medical University of Vienna & University Clinic of Dentistry Vienna
<b>Operated by</b>	VieSID <sup>®</sup> Vienna School of Interdisciplinary Dentistry in cooperation with the Medical University of Vienna
<b>Lecturers</b>	Dr. Kim Parlett, Dr. Daniele Togni, Dr. Ian Tester, Dr. Miguel Assis, Dr. Alejandra Londoño, Dr. Andriy Klovanets, DT Karin Graichen, DT Stefan Thunert, Dr. Anastasia Saltykova, Dr. Diana Badreddin,
<b>Course language</b>	English / with possibility of Russian and Spanish translation
<b>Target group</b>	Dentists, dental technicians and professionals of related disciplines
<b>Certificate</b>	Issued by VieSID and the Medical University of Vienna
<b>Venue</b>	Dental University Clinic of the Medical University of Vienna, Sensengasse 2, 1090 Vienna, Austria
<b>REGISTRATION</b>	Please register at: <a href="http://www.viesid.com">www.viesid.com</a> , or send your registration form to: <a href="mailto:info@viesid.com">info@viesid.com</a>

To guarantee intensive and effective lessons, the maximum number of participants is limited.

Further information about price and dates on [www.viesid.com](http://www.viesid.com)

**For detailed information please contact:**

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