

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

# ALL SEMINARS AND WORKSHOPS



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

**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  
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# ADVANCED CONDYLOGRAPHY TUTORIAL

## LECTURER

**Dr. Elöd Úry, MSc**



Dr. Elöd Úry is an expert in prosthodontics and functional diagnosis and digital dentistry. He owns a private dental clinic in Sopron, since 1996. After graduating at the Semmelweis Medical University in Budapest, he received MSc in Dental Sciences under the supervision of Prof. Slavicek. He has

participated in several postgraduate courses before becoming a VieSID instructor. He is currently enrolled in a PhD program through the Department of Evolutionary Anthropology University of Vienna, focused on the functional analysis of the stomatognathic system.

## ABOUT

Clinical Instrumental Analysis, so called Condylography, has been proven to be an important part of the diagnostic approach in interdisciplinary dentistry. The non-invasive method of Condylography monitors the patient's individual movement of the mandible, within 6 deg of freedom. In the center of interest stands the translator and rotatory component of hinge-axis movement. This movements are in relation to a standardized craniomandibular coordinate system (hinge-axis-orbital coordinate system) based on the zero point (hinge-axis position of the mandible when mandible is controlled

in RP). Condylography recordings are useful to program condylar housing of semi- and full-adjustable articulators according to the patient's individual moment patterns. The data may also be used to judge the mobility and motility of the TMJs. Based on standardized so-called boarder movements (Protrusion, Mediotrusion R&L, open/close), a clinical-instrumental preliminary assessment of the functional status can be performed, habitual functional movements (bruxing, speech, swallow, etc.) can be analyzed and possibly integrated into instrumental analysis in the articulator.



## CONTENT

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### Day 1 & 2 – “Clinical procedures of Condylography”

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This first part of the course will mostly concentrate on hands-on sessions, including short theory inputs on important topics. The participants will be split in different groups with max. 4-5 students to guarantee detailed learning in the advanced procedures of clinical Condylography. Each group will have a clinical instructor and will be supervised by Dr. Úry.

This clinical training includes:

- Theoretic background of Condylography
- Preparation of workspace and computer
- Mounting of functional occlusal clutch system
- Mounting of face-bow system
- Hinge-axis location
- Reference position
- Face-bow geometry
- Recording of condylographic movement
- Clinical diagnostics and manipulation techniques
- Recording of CPM
- RP marking on skin
- Mounting casts to the articulator
- Data saving and basic analysis



## CONTENT

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### Day 3 & 4 – “Condylography diagnostics”

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The second part of this tutorial is lectured by Dr. Előd Úry. The lecture takes place in a seminar room and consists out of theoretical input, with focus on interpretation of Condylography data. Dr. Úry's extensive experience guarantees a high leveled, informative tutorial.

**This lectured tutorial includes:**

- TMJ anatomy, including related structure
- TMJ pathologies
- The importance of Hinge-axis
- Basic principles of Condylography diagnostics
- Advanced diagnostic considerations
- Condylography based on of the individual patient case
- TMJ and Occlusion
- Adaptation and Compensation
- Condylography aspects in treatment planning
- Practical examples and discussion



**Prerequisite:** No prior VieSID education is required; however, knowledge of condylography is advantageous for the most effective learning experience.

**CRANIOMANDIBULAR  
ORTHODONTICS  
SEMINAR**

## LECTURER

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**Prof. Dr. Sadao Sato**



Prof. Dr. Sadao Sato is an internationally recognized specialist in the field of orthodontics. In 1979, he became assistant professor in Kanagawa Dental College. In 1989 he was appointed associate professor. In 1996 he became professor in orthodontics at Kanagawa Dental College and later on he was appointed as dean. Between

1991 and 2001, Prof. Sato was president of the Japan MEAW Technique and Research Foundation. From 1992, he has been member of the Angle Society of Orthodontics. Prof. Sato and Prof. Slavicek worked closely influencing each other's clinical mind. Accordingly, his treatment concepts are integrated in the VieSID program.

## CONTENT

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The goal of this seminar is to provide fundamental knowledge for successful orthodontic treatment of different types of malocclusions without premolar extraction and surgical intervention. Changes in facial vertical dimension and posterior occlusal plane during growth, and the corresponding adaptation of the mandible result in different types of malocclusions. Knowledge about the development of malocclusion during craniofacial growth inform the clinician on orthodontic treatment, thereby overcoming the understanding of orthodontics as means for mere alignment of teeth.

## TOPICS

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- **General consideration of malocclusion:**  
Illustration of the developmental mechanisms of malocclusion and the most effective therapeutic approaches.
- **Mandibular Lateral Displacement (MLD):**  
How to correct the existing asymmetry that are known to compromise the TMJ function at the deviated side.
- **Openbite, Skeletal Class II and Class III malocclusions:**  
Explanation of the two possible types of open bite, and the high and low angle Class II and Class III subgroups, highlighting their different presentation and etiology and discussing the most effective treatment approaches.
- **Orthodontic Treatment of Malocclusions with TMD:**  
Concepts for diagnosis and therapeutic mandibular repositioning will be discussed.

**Prerequisite:** No prior VieSID education is required.

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# **DIGITAL CLINICAL PROTOCOLS SEMINAR**

## LECTURERS

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### Dr. Előd Úry, MSc



Dr. Előd Úry is an expert prosthodontist highly trained in the clinical interpretation of the condylography and the rehabilitation of the TMJ. Through his long-term work with functional instrumentation, also within the digital environment, he has gained fine technical skills and a deep understanding of 3D jaw kinematics. He has owned a private dental clinic in Sopron since 1996. After graduating from the Semmelweis Medical

University in Budapest, he received an MSc in Dental Sciences under the supervision of Prof. Slavicek. He has participated in several post-graduate courses before becoming a VieSID instructor. He is currently enrolled in a PhD program through the Department of Evolutionary Anthropology, University of Vienna, focused on the structural and functional analysis of the stomatognathic system.

### Thomas Haberl, MSc



Thomas Haberl is a senior Research and Design engineer at GAMMA Medizinisch-wissenschaftliche Fortbildungs-GmbH and the primary contact for instrumental support in function and occlusion. He holds an MSc in Software Engineering (2023, FH Technikum Wien) and is currently pursuing an MBA in Health Tech Management. With over a decade of experience collaborating with dental professionals, researchers, and

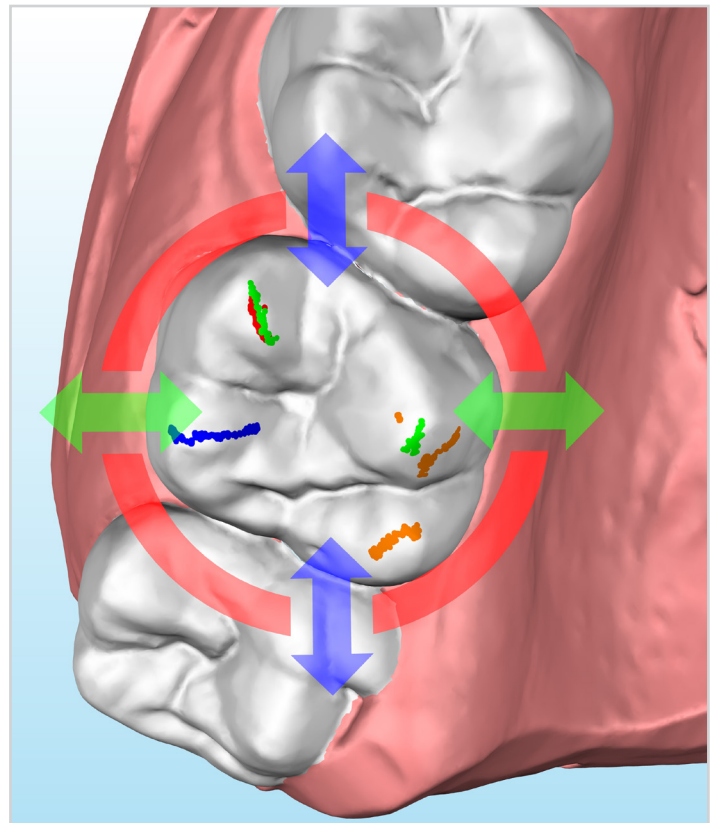
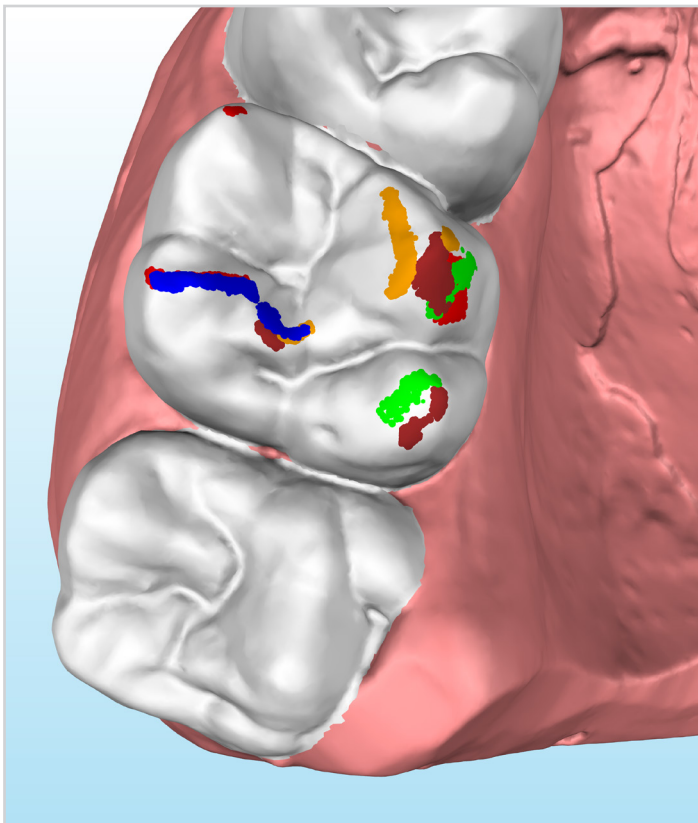
industry partners, he contributes to product development, regulatory affairs, and system integration for GAMMA's hardware and software solutions. He oversees product lifecycles from concept to market launch and supports the advancement of digital dental technologies with a focus on occlusion and function. Thomas actively participates in scientific congresses and VieSID courses and provides technical input for scientific publications. His current focus is the seamless integration of GAMMA's tools for virtual occlusion analysis and design into digital dental workflows.

## ABOUT

Digital dentistry is revolutionizing the dental practice. Direct digital protocols promise optimized outcomes, reduced working times, and resource savings. However, to benefit from the advantages of digital work it is crucial to be aware of its possible pitfalls and limitations. Most importantly, it is essential that the key principles for individualized functional treatment are made possible in the virtual environment with the same accuracy as in the analog world.

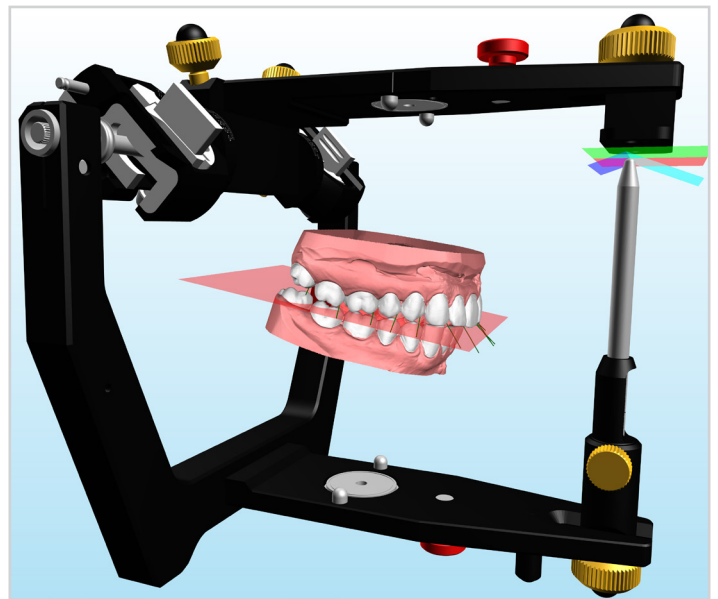
The CADIAS® 3D partition of the GAMMA software offers a range of dedicated tools for individualized digital in-

strumental analysis. An important prerequisite for this is the exact digitization and positioning of the dental models. Thus, indirect (using a laboratory scanner) and direct (using an intraoral scanner) workflows have been developed for this purpose. It is crucial that a joint-related articulation of the dental models is performed to respect the individual configuration of the patient's stomatognathic system. Afterwards, the occlusion can be analyzed both statically and dynamically, and can be put in relationship with further clinical findings for clinical interpretation and treatment planning.



## CONTENT

This seminar is conceived to illustrate the most relevant steps for professional work in functional dentistry in the digital environment, from the digitization of the dental arches to file exchange with CAD software for dental design, and allows exploring the CADIAS® 3D tools and functions. Selected patient cases will be shown to demonstrate the full range of functions and diagnostic possibilities of the system.



The seminar includes theoretical lectures and practical work, and covers the following points:

- Indirect and direct workflows in the digital assembly of dental models
- Preparation and segmentation of digital models
- The virtual articulator: mode of operation, functions, settings
- Integration of CADIAX data
- Digital occlusion analysis (both graphical and numerical)
- Static occlusal protocol
- Dynamic occlusal protocol
- CPM (Condylar Position Measurement) analysis
- CPV (Condylar Position Variator for mandibular repositioning)
- Occlusal design
- Exocad interface and data transfer from and to CADIAS® 3D

**Prerequisite:** No prior VieSID education is required.

# **DIGITAL DENTAL TECHNOLOGIES WORKSHOP**

## LECTURER

**DT Francesco Logreco**



Francesco Logreco, DT, is the owner of the DSC laboratory in Conversano, Italy. He specialized in computer-aided applications in the field of dental technology. He obtained a dental technician diploma through IPSIA, Bari, Italy, in 1999. In 2015, he achieved a Hyperdent certification as a CAM program-

mer and studied intensively coronal anatomy at the SA.VI.DENT laboratory by Lanfranco Santocchi. He joined the VieSID team in 2024, contributing with his deep understanding of the occlusion and advanced technical skills and inventiveness within the digital environment.

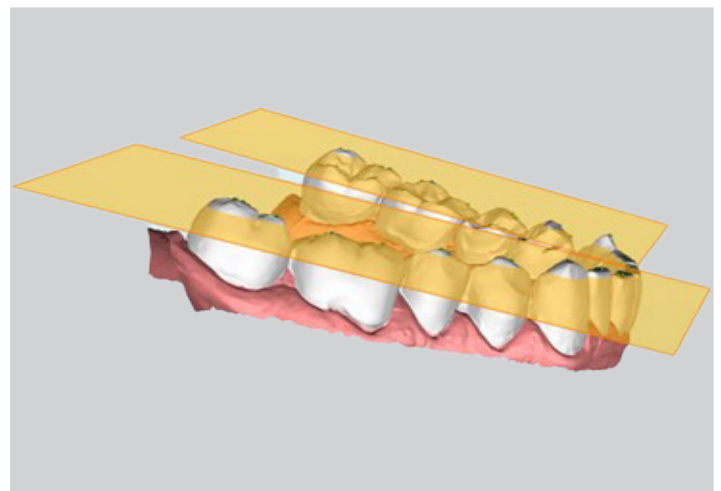
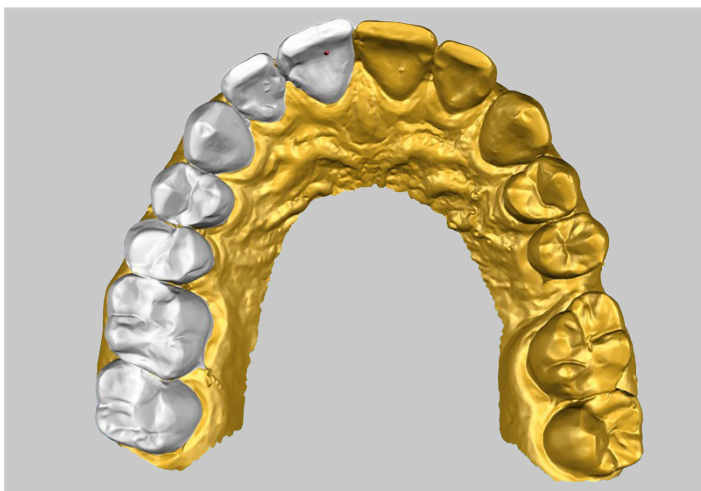


## CONTENT

### DIGITAL DENTAL TECHNOLOGIES WITHIN THE VIESID CONCEPT OF INDIVIDUALIZED FUNCTIONAL DENTISTRY

This workshop is meant to provide the participants with the theoretical and especially practical knowledge necessary to apply state-of-the-art digital dental technologies within the VieSID concept. Thus, it is more suited to those who already have knowledge and understanding of occlusion and occlusal design according to the

VieSID concept. This 3-day workshop is conceived for both dental technicians and dentists who are interested in digital protocols for intraoral model articulation, treatment planning and design. Non-exocad users can take part in the dedicated exercises as observers, but no effort will be made to level them up to exocad users.



## SCHEDULE

### Day 1

- GAMMA digital protocol and CADIAS 3D, theoretical notions
- 3DCoronal anatomy
- The use of the curves of Spee and Wilson and the occlusal plane
- Hands-on Training: analysis of the meshes, GAMMA digital protocol and CADIAS 3D, interface CADIAS 3D – exocad (participants bring their own case)

### Day 2

- Theoretical notions for the construction of a splint and anatomical splint in exocad using the GAMMA's parameters
- Hands on training: construction of digital splints (participants bring their own case)
- Demonstration of crown modelling in exocad (Class I waxup)

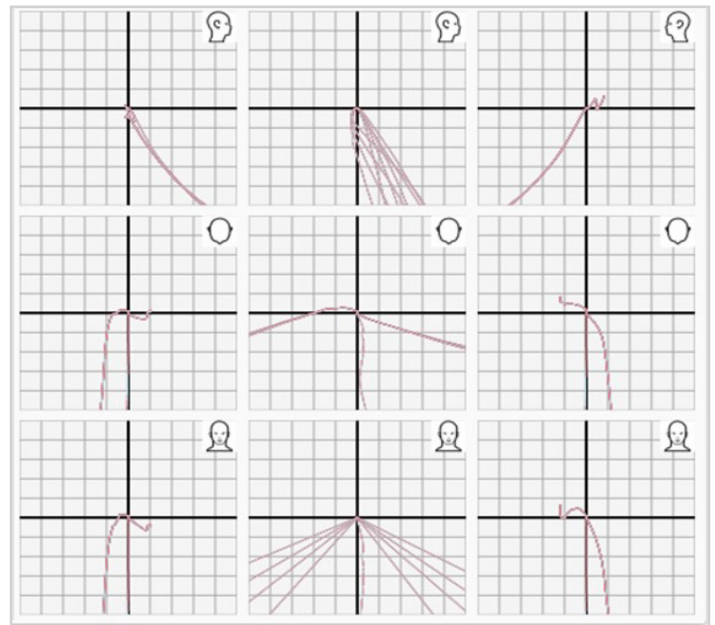
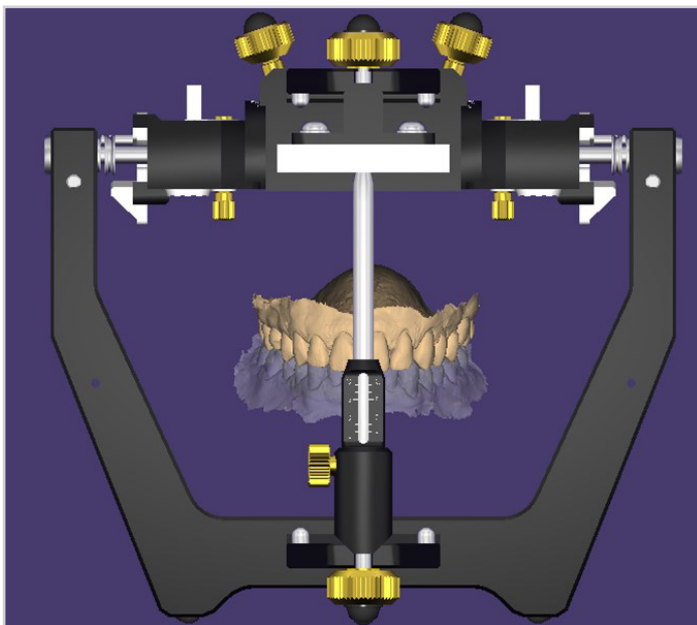
## SCHEDULE

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**Day 3**

- Hands on training: crown modelling in exocad (Class I wax-up)  
(Beginners: dataset is provided; Experts: own case)
- Hands on training: evaluation of aesthetic parameters using facial scans

The work will be done on the articulated digital scans provided by the participants. Digital scans in RP or ThP with enough space for construction of a digital splint are required. For the digital mounting use the direct workflow using GAMMA digital transfer blocks or the hybrid approach using a lab scanner. For participants who will be unable to bring their digital data, a didactical case will be provided. For the wax-up training the experts will be invited to work on their own cases, while the beginners will be provided by didactical models.



**Prerequisite:** Successful accomplishment of the VieSID Basic Curriculum or VieSID Dental Technician course.

**Requirement:** Participants are required to bring their own laptop. A portable exocad license is necessary. The exocad license will not be provided by VieSID.

# **DIGITAL WAX - UP WORKSHOP**

## LECTURER

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**DT Francesco Logreco**



Francesco Logreco, DT, is the owner of the DSC laboratory in Conversano, Italy. He specialized in computer-aided applications in the field of dental technology. He obtained a dental technician diploma through IPSIA, Bari, Italy, in 1999. In 2015, he achieved a Hyperdent certification as a CAM program-

mer and studied intensively coronal anatomy at the SA.VI.DENT laboratory by Lanfranco Santocchi. He joined the VieSID team in 2024, contributing with his deep understanding of the occlusion and advanced technical skills and inventiveness within the digital environment.

## ABOUT

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A 3-day hands-on course with a focus on digital wax-up according to Prof. Slavicek's concept for the occlusal classes I, II, and III (and crossbite). The course is carried out using exocad and integrating the patient's parameters exported from the GAMMA system. This course is

mostly practical, although the training will be supported by theoretical notions. The course objective is to allow the participants to acquire the necessary skills to design prosthetic rehabilitations (e.g., crowns, bridges) in line with Slavicek's principles of occlusion.

## TOPICS

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- The participants receive a clinical case with the associated GAMMA data
  - Import the parameters into exocad
  - Perform the wax-up respecting the criteria of Slavicek's principles of occlusion
  - Export the file for production and present it to the class
  - Digital identification of the wear patterns (abrasion, erosion, abfraction) and correlation to the occlusal dynamics
  - Restoration of functional morphology while respecting the gnathological parameters
  - Consideration of the combined data from the wear pattern analysis with the GAMMA parameters for personalized rehabilitation
- Optional exercises:
- Digital Dental Wear Analysis in exocad

## STRUCTURE

### Day 1 - Physiological Class I occlusal rehabilitation

Brief introduction to the exocad tools for gnathological analysis and Class I wax-up. Model alignment according to the GAMMA data. Importing occlusal parameters from GAMMA (.xml file or manual data). Class I digital wax-up. Design of molar and premolar crowns with functional cusps (accounting for the condylar trajectory). Contact

optimization in maximum intercuspation and during eccentric movements. Simulation of dynamic canine guidance and lateral disclusion. Design validation. Use of the "Occlusion Editor" tool to verify contacts. Interference correction based on the GAMMA data.

### Day 2 - Class II Digital Wax-up

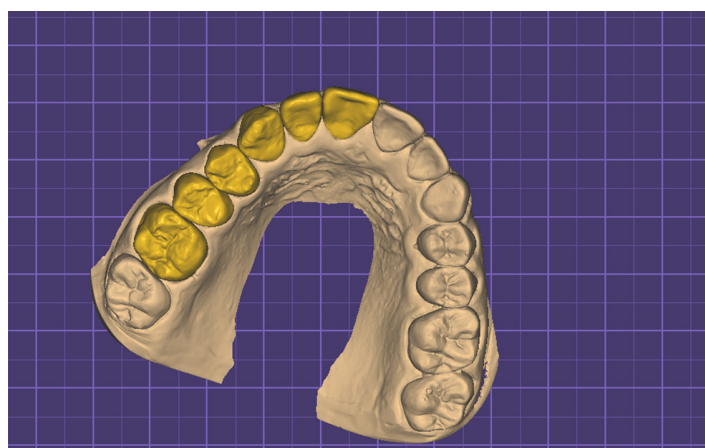
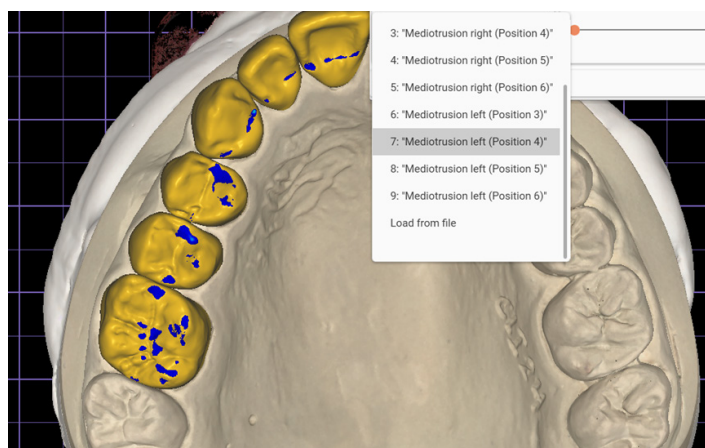
Analysis of Class II according to Slavicek. Changes to the occlusal plane and curve of Spee in cases of increased overjet. Role of incisor guidance in joint protection. Importing the GAMMA parameters for Class II. Adjusting the virtual articulator according to GAMMA parameters and

importing the xml file. Class II digital wax-up. Design of crowns/bridges with cusps according to the sequential wax-up concept to avoid abnormal loads. Optimization of protrusive and laterotrusive contacts.

### Day 3 - Class III (and Crossbite) Digital Wax-up

Adjustment to Class III. Occlusal plane inversion and load management in crossbite cases. Importance of Wilson's curve for distributing forces. GAMMA parameters for Class III. Utilization of asymmetrical condylar values. Digital wax-up of Class III. Design of inverted oc-

clusal surfaces (lingual vs. vestibular cusps). Complex cases and troubleshooting. Management of protrusive interferences. Exporting the design for milling (checking thicknesses and undercuts).



## OPTIONAL EXOCAD TRAINING DAY: EXOCAD BASIC SKILLS

This day can be booked separately from the workshop. It is designed for non-exocad users who must acquire the basic skills necessary for following the Digital Wax-up

workshop. The content of this course will not be taught during the Digital Waxup Workshop. Confident exocad users should refrain from registering for this day.



**Prerequisite:** Successful accomplishment of the VieSID Basic Curriculum or VieSID Dental Technician course. Previous knowledge of exocad is required. Non-exocad users must participate in the preliminary exocad training day, instructing them on all the tools and functions necessary for this workshops. During the Digital Wax-up course, no effort will be made to level up the participants in their basic exocad skills.

**Recommendation:** Together, the Digital Dental Technologies and Digital Wax-up workshops cover the entire digital workflow necessary to finalize the tooth modeling project after the identification of the therapeutic position. Although they can be booked separately, note that the protocols and tools taught in the DDT course are propaedeutic to the Digital Wax-up course. If you are in doubt about which course is more suitable for you. Do not hesitate to contact us.

# DENTAL ASSISTANT WORKSHOP

## LECTURER

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**Darya Grygoryeva, MSc**



Graduated and specialized in orthodontics and prosthodontics in Ukraine and studied further in Russia, Korea, Japan and Austria, nostrified diploma in Slovakia. She specialized in functional orthodontics and occlusal medicine in a three-years course by Prof. Sato. She works with multidisciplinary functional cases in kids, adolescents and adults

using the mandibular repositioning approach achieving treatment goals with analog and digital dental instruments and physical rehabilitation. She has been an official member of VieSID since 2022, working as a clinical assistant, translator and provides organization support with the courses. Private practice since 2009.

## CONTENT

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The dental assistant plays a crucial role in aiding the dentists, allowing them to focus on the clinical procedures without unnecessary distractions. This two-day workshop is designed to prepare dental assistants to support the clinicians working within the VieSID concept. The course offers them the opportunity to learn the practical and technical skills to organize the mate-

rials and equipment for the VieSID diagnostic protocol. In this workshop, they will learn also how to flawlessly coordinate with the dentists during the condylographic recording. They will also familiarize themselves with the GAMMA software for patients' data archiving and presentation.

Participants will learn how to:

- Take correct extra- and intraoral photos
- Prepare and store the occlusograms
- Prepare the materials for impression taking
- Mount the anatomic facebow
- Model the brux checkers
- Enter data in the GAMMA Dental software
- Prepare the materials and the equipment for condylographic recording
- Prepare the RP bite wax
- Mount the device and clutch, using the kinematic facebow
- Assist doctors in locating the hinge axis
- Remove and clean the device
- Mount the casts in the articulator

**Prerequisite:** No prior VieSID education is required.

# **SPLINT WORKSHOP**

## LECTURER

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DT Stefan Thunert, MSc



Stefan Thunert, DT, is a specialist in functional and aesthetic dental technologies following the VieSID's concept in reconstructive dentistry. He has owned a dental laboratory since 2000. In 2011, he achieved a Master of Science through the Danube Uni-

versity in Krems. He joined the VieSID lecturer team in 2014. He has a deep understanding of the stomatognathic system and the clinical protocols, which allows him to establish effective communication with the dentists.

*Producing and working with the splint during treatment in the Slavicek concept.*

## CONTENT

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- Theory of splints according to the Slavicek concept (including the usage of condylography data)
- Analog and digital (Exocad) fabrication, according to the needs of the participants in practice and theory
- Adjustment of splints – in the articulator and mouth
- Remounting of splints and procedure after splint therapy – what's next after the splint?
- Theory of different splints and how to produce them
- Variator usage to produce a TP splint
- Analog and digital: advantage- disadvantage
- Adjustments on own splint, that will be produced during the workshop
- Two days of hands-on workshop



**Prerequisite:** Successful accomplishment of the VieSID Basic Curriculum or VieSID Dental Technician course.

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**SUMMER SCHOOL**

## International Congress on Occlusion Medicine and Interdisciplinary Dentistry

The VieSID Summer School is an international congress on occlusion and interdisciplinary dentistry with a duration of five days. Every summer it brings together the worldwide community of professionals, interested in occlusion and function in dental medicine. The Summer School is offering unique and contemporary lectures by leading international experts, complex case presentations and a lot of interactive sessions, such as table

clinics and poster presentations. The collegial atmosphere of VieSID Summer School allows exchange with renowned specialists. The organizing committee creates plenty of room for dialogue and discussion in the official program as well as off the record. The Summer School is designed for all specialists in the field of interdisciplinary dentistry dentists, even without prior knowledge of the VieSID's concept.



**Prerequisite:** No prior VieSID education is required.

## NOTES



For detailed information please contact:

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