Dear Colleague,

The Diagnostic Continuum teaches the principles of function, occlusion, and the cranio-mandibular system according to the research and concepts of Prof. Rudolf Slavicek, Vienna, Austria.

This program is addressed to all dental professionals who realize that dynamic occlusion plays a significant role for the long-term success of their treatment. Chipping of restorations, relapse of orthodontic treatment, and muscle and joint pain are the results of the wrong position of teeth and the mandible and lead to dysfunction.

Traditional dentistry is treating teeth as if they were independent from their driving structures. This often leads to dental interferences, restriction of the mandible, and overload of teeth, muscles and joints. The result is that dentists and orthodontists are faced with the failures of their own work.

The extensive development in all areas of dentistry, and in particular in dental materials, is challenging for the adaptation mechanisms of the cranio-mandibular system. Therefore, it is more important than ever to incorporate the proven principles of function and occlusion into dental and orthodontic treatment.

As dentists and orthodontists, through dental treatment, we are able to influence the masticatory system to keep patients in good function and to restore the health of dysfunctional patients.

The Diagnostic Continuum will teach you the principles of functional diagnostics. These are essential to understand the etiology of our patient’s problems, to diagnose, to treatment plan, and to perform predictable treatment which is stable over the long-term.

It is our goal to make you to an expert in the fundamentals of every successful case:

**FUNCTIONAL DIAGNOSTICS**

…. to make your professional life easier and even more fun.

We welcome you to join our group.

Heike Krämer and Sadao Sato
The Treatment Philosophy

The principles of function, occlusion, and the crano-mandibular system set the foundation for every dental discipline in diagnosis and treatment planning.

What is different to any other “Occlusion program”?

Prof. Slavicek realized that successful and stable dentistry is dependent on the dynamic function, which means how teeth are moving in relationship to each other, rather than just looking to static tooth contacts in occlusion. Tooth movement is based on mandibular movement, which is based on the temporo-mandibular-joints and their surrounding structures.

In his tremendous research and publications, since 1984 to the present, Prof. Slavicek can show the determinants which lead to harmony in the masticatory system and guide the diagnostic and treatment planning process. Based on development and growth, it is evident how the guidance system and occlusal plane inclination are related to the clinical condylar pathway inclination.

Also, every joint has a “zero” position and every muscle has a certain vector. Dentistry must respect this fact and must understand how to position the teeth in order to keep or to achieve harmony in the chewing system. Traditional dentistry is treating teeth as if they were independent from their driving structures. This often leads to dental interferences, restriction of the mandible, and overload of teeth, muscles and joints. The result is that dentists and orthodontists are faced with the failures of their own work.

Prof. Sato faced the failures and relapses of his own cases through long-term observation of his patients. This made him realize that another approach in orthodontics is necessary and triggered significant research.

In the year 1989, Prof. Sato met Prof. Slavicek and incorporated the “Slavicek concept of function and occlusion” into orthodontic treatment. This was the turning point in his career. Since then the two Professors are working closely together.

Today, Prof. Sato’s approach takes into consideration not only tooth movement, but also the adaptation capacity of the mandible and joints. Despite the presence of numerous cosmetic techniques, this concept is based on solid functional principles. The principle of mandibular adaption, which occurs naturally in human growth, can be applied in orthodontic therapy. This allows obtaining stable results through treatment of the etiology rather than symptomatic treatment.

Therefore, the "Sato" concept can achieve treatment results which no other orthodontic concept can achieve, such as:

» severe class II, class III open bite cases treated with non-orthognathic-surgery and non-premolar-extraction
» successful orthodontic treatment of dysfunctional patients
» short-treatment-times (1.5y), short retention phase and treatment outcomes with life-long stability

The Course Format

The modular structure of 4-day segments allows you to continue your practice and to attend this program.

The tuition is payable in monthly installments.

When you learn the “Slavicek / Sato” concepts you are entering a dental world which is way ahead of anything else in the dental field.

This treatment approach will make your dentistry highly predictable and stable over the long-term, your dental life much easier, and your practice outstanding.

You will become the problem solver way beyond your community.
The state-of-the-art in diagnosis and treatment planning of dental patients

Clinical and scientific concepts following the Concept of Modern Gnathology of Prof. Rudolf Slavicek
Analyses, interpretation, conclusive diagnoses, and consecutive treatment planning in interdisciplinary dentistry
Demystifying occlusion, function, and cranio-mandibular disorders
Standardized clinical functional and instrumental functional diagnostic procedures
Understand how to evaluate the cranio-mandibular system, and how to set up your cases
Come to a diagnosis
Interdisciplinary treatment planning
Occlusal concept for: full dentition, orthodontic treatment, partial dentition, full dentures, implant cases
Wax-up concept
Lectures, intense hands-on, and implementation protocols for your practice
All participants will perform and exercise all diagnostic steps, documentation, and case planning

This continuum is a commitment to yourself and to your patients. It will have a tremendous impact on your practice.

Lectures, including:

- Anatomy and physiology of the cranio-mandibular and neuromuscular system
- Principles of occlusion in regular dentition and malocclusion
- Functions of the system (breathing, phonation, mastication, posture, and stress management (bruxism)
- Occlusion under functional aspects and its impact on treatment and dental work
- History of occlusion concepts vs. modern gnathology
- The masticatory system as a feedback control system
- Eufunction vs. dysfunction
- Essentials of functional diagnostics and diagnostic procedures
- Cephalometrics – importance of the skeletal layout and its integration in the diagnostic and therapeutic process
- Wax-up concept and principles of Canine Dominated Sequential Occlusion
- Interdisciplinary treatment planning
- Cases

Clinical functional analyses:

- First consultation: the new patient, initial interview
- Anamnesis: medical and dental history
- Occlusal index
- Clinical functional examination: muscles, joints, neurological screening
- Intraoral examination and periodontal screening
- Occlusogram: first analyses of tooth guided dynamics
• Tips for improvement: impression and model fabrication
• Maxillo-mandibular relation: reference position
• Recording of joint related intermaxillary relation: bite registration
• Standardized digital dental photography
• Digital documentation
• BruxChecker: diagnosis of sleep bruxism, occlusal analyses of guidance system and interferences

Instrumental functional analyses:
• Articulator and face bow: understanding the principles
• Face bow: anatomical and kinematic
• Transfer of upper jaw related to cranium
• Joint related mounting of the lower jaw
• Spilt cast control
• Electronic Condylography and hinge axis
• Mounting of maxilla according to hinge axis
• Mounting of mandible related to reference position
• Articulator programing: simple
• Anterior diagnostics: lingual concavity vs. tooth axis, steepness of guidance
• CPM – electronical condyle position measurement
• Computerized Cephalometrics: integral part of interdisciplinary dentistry

Standardized documentation, Evaluation and Interpretation:
• Transfer of the coordinate system: making patient – cephalometrics - articulator compatible
• Interpretation of condylographic tracings
• Cephalometrics – principles and concept of relative condylar inclination
• Evaluation of the patient’s occlusion and function in the individually programmed articulator
• The virtual patient – 3D simulation
• Correlations in diagnostics - diagnoses
• Diagnostic wax-up

Treatment planning according to the patient’s individuality:
• Sagittal and transversal condyle inclination
• Vertical dimension of occlusion
• Inclination of occlusal plane
• Inclination of the guidance system and anterior control
• Compensation curves (Spee and Wilson)
• Wax-up concept: Canine Dominated Sequential Occlusion
• Interdisciplinary treatment planning
• Steps and time management
• Case presentation to the patient

Step out of your comfort zone and discover a new dimension in dentistry!
“Dr. Kraemer’s approach and presentation allows you to see occlusion, muscles and function from a completely different perspective. You soon realize that our responsibility as dentists should be on long term health and stability. If we have the function correct the esthetics will follow.”

Miles Guyton, General Practitioner, San Jose, CA

“Mind blowing and absolutely unique information! This is my second course at IDEA and now I can say that this is the place that provides knowledge and expertise to the highest level. What I’ve learned at IDEA has changed my treatment approach to my patients. Thank you IDEA.”

Petros Kokkinos, Orthodontist, Limassol, Cyprus

“This course has provided so much information for the diagnostic process and work-up that is very helpful. Every dentist and technician should know this. Heike has such a wealth of information and communicates it well and with so much passion! I have enjoyed learning and growing.”

Marcus Kai, Orthodontist, San Jose, CA

“This course was a real eye opener. The academic & technical interaction is perfect and every clinical statement is based upon scientific knowledge and expertise.”

Geert De Zutter, Orthodontist, Turnhout, Antwerp, Belgium

“As a new Orthodontist who has opened a private practice a year and half ago from scratch, I can honestly tell you that you cannot afford to miss this course regardless of your practice situation. The knowledge and skills learned here will separate you from other Orthodontists, provide higher treatment standards and confidence and ultimately have a positive impact in your practice bottom line.”

Yoon Chang, Orthodontist, Carrollton, TX

“Without biased information given by economical interest is excellent and evidence based up to date clinical hands on course. Thank you for your professional gift.”

Michael Sostmann, Orthodontist, Hannover, Germany

“IDEA is the best learning faculty I’ve stumbled on. The hands-on aspect is a great way to implement what you’ve learned immediately. The class is small therefore the one-on-one learning with the world-class Instructor is beyond words.”

Anh Khieu, General Practitioner, Tyrone, GA

“This course has changed the way I practice. You only see what you know and now I see much more. Thank you Dr. Kraemer!”

Cristina Herrera, General Practitioner, Los Gatos, CA

“This course is a must for all practicing dentists.”

Thuan-Anh Nguyen, General Practitioner, Wheaton, MD
“Learning the correct way to diagnose a patient in a step-by-step method will allow the dentist/orthodontist to treat the patient in a stable occlusion. This is excellent information that every dentist MUST KNOW. I will definitely spread the word to learn more.”

Dharmesh Mistry, Orthodontist, Johannesburg, South Africa

“You do not know what you do not know. And what you think you know about occlusion is probably wrong or insufficient. Heike’s continuum made the above statements very clear. An invaluable course for everyone with a dental license.”

Bas Wafelbakker, Orthodontist, Gilroy, CA

When you learn the “Slavicek / Sato” concepts you are entering a dental world which is way ahead of anything else in the dental field.