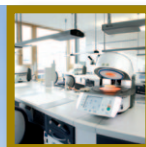


ICDE



Master Workshops 2 | 2011

For further information on the Master Workshops and registration,
please contact Ms Manuela Beck
Phone +423 / 235 33 06
Fax +423 / 239 43 06
E-mail: kurse.icde@ivoclarvivadent.com

Please note that only a limited number of
participants are admitted to each Master Workshop.

The fascination of IPS e.max®

Master workshop all-ceramics

Date: **Fri – Sat, 23 – 24 Sept 2011**
This course will be held in English
 Length: **2 days**
 Lecturer: **O Brix, Germany**
 Fee: **CHF 1,200 / € 900**
Participants are invited to a joint dinner on the first day of the course.

The course fee for each further participant from the same laboratory is CHF 600 / € 450.

IPS e.max Ceram is a low-fusing, nano-fluorapatite glass-ceramic. Apatite crystals in the nanometer range provide a unique combination of translucency, brightness and opalescence. Its easy handling properties and esthetic potential make working with this material an extraordinary experience.

Patients and dentists increasingly demand all-ceramic or metal-free restorations which cannot be distinguished from natural teeth. The challenge is to mimic natural esthetics and shading at the highest level.

Therefore, this course focuses on establishing a customized layering concept for the IPS e.max Ceram veneering ceramic.

Prior to the course you will receive a maxillary model with veneer and crown preparations. You yourself can decide which kind of restoration you want to fabricate during the Master Workshop.

You may choose from the following options:

- Layered laminate veneer on refractory die
- Pressed and customized laminate veneer
- Pressed laminate veneer which is subsequently veneered
- Crown with coping made of zirconium oxide (e.g. IPS ZirCAD)
- Crown with coping made of IPS e.max Press.

The following topics will be addressed during the course:

- Slide show “The Fascination of IPS e.max”
- Presentation of the system components
- Shading options
- Control of absorption and reflection
- Adjustment of different translucencies
- Ceramic firing
- Shaping and shading by means of an additive layering technique
- Creation of physiological interdental spaces
- Imitation of natural surface textures
- Glaze firing – corrective firing
- Mechanical polishing to achieve an optimized surface gloss.

The Workshop will be rounded off with tips and tricks that help you to ensure efficient and effective procedures in esthetic dentistry.

Objective:

The fabrication of three all-ceramic restorations

Requirements:

Ceramists with a profound knowledge of the field

Participants will be sent the course models as well as the instructions on how to fabricate the frameworks prior to the course.

Oliver Brix

1985 – 1989 Dental technician training
Since 1989 Technician in various dental laboratories and dental practices
 Specialization: esthetics and function, PFM and all-ceramics, biomechanical occlusal surface design, electroplating technique, implantology
1990 – 1998 Participation in various continuing education programs at home and abroad
Since 1994 Freelance collaborator in several dental practices in the field of functional and esthetic prostheses
Since 1993 Various continuing education courses and lectures on a freelance basis
Since 1996: Various publications in international trade journals and magazines

Lectures and courses on esthetics and ceramics at home and abroad
 Guest lecturer for Ivoclar Vivadent (on an international basis)

Since 1997 Member of the “Zahntechnischer Arbeitskreis Düsseldorf” (Düsseldorf study group of dental technicians)
Since 2000 Active member of the “DGÄZ” (German association of esthetic dentistry)
2001 IPS d.SIGN special edition
March 2001 Author of the textbook “The Fundamentals of Esthetics”
2003 IPS Eris for E2 special edition
2006 Establishment of the dental laboratory and dental training and counselling company “Innovatives Dental Design” in Wiesbaden, Germany
2006 IPS e.max special edition
2010 Foundation of the International Training Centre in Wiesbaden, Germany



The perfect route to esthetic and functional complete dentures

The use of the new SR Phonares® line of denture teeth shown on an actual patient

Date: **Fri – Sat, 7 – 8 Oct 2011**
 Length: **2 days**
 Lecturer: **T Michel, Germany**
M Boxhoorn, Liechtenstein
 Fee: **CHF 920 / € 690**
Participants are invited to a joint dinner on the first day of the course.

The course fee for each further participant from the same laboratory is CHF 460 / € 345.

In these times when everybody is talking about esthetic dentistry, removable dentures should also provide optimum "white esthetics". This is particularly true for implant-borne removable dentures, as all the parties involved, i.e. the patient, clinician and dental lab technician place high expectations on the esthetic outcome and function of this complex and expensive type of restoration.

Based on the natural model, a denture tooth has been created which features harmonious layering, a true-to-nature surface texture, and beautiful opalescence and fluorescence. Moreover, it is available in natural-looking moulds. SR Phonares denture teeth are made of the newly developed NHC nano-hybrid composite material, which has been shown to provide outstanding wear resistance in various studies. A long life of the tooth and very low affinity to plaque are thus ensured. Consequently, high-quality results can be achieved in an efficient, accurate and time-saving way.

In order to attain outstanding "white esthetics", the interproximal contours of the denture teeth should enable the teeth to line up very closely without creating the impression of a white wall.

In the posterior region, functional aspects are extremely important. Therefore, SR Phonares posterior teeth are available in two different occlusal schemes: SR Phonares Typ NHC (maximum intercuspation) or SR Phonares Lingual NHC (lingualized occlusion).

Syllabus:

- Fabrication of maxillary and mandibular complete dentures which are tried in on the patient
- Range of SR Phonares tooth moulds that match the characteristics of the individual patient
- Natural surface design
- Interproximal closure due to "Set & Fit" design
- Properties of NHC nano-hybrid composite material
- Biofunctional setup scheme
- Natural-looking, functional design of the gum tissue
- Try-in on the patient with photo documentation
- Possibilities of characterizing the gingival tissue
- Presentation of the SR Ivoclar system.

Objective:

In this master workshop, participants can acquaint themselves with the new SR Phonares anterior moulds and the setup options they provide. Moreover, they learn how to use them practically on a patient. The function of the posterior setup (SR Phonares Typ or SR Phonares Lingual) can also be checked on the patient. Providing a patient with a denture that offers both successful esthetics and perfect function becomes a tangible experience.

The course will be held in German and simultaneously translated into English if required.

Certified BPS laboratories will receive an additional 15% discount off the regular fee.



The innovative SR Phonares NHC anterior tooth moulds were developed in cooperation with MDT Thorsten Michel. The combination of a very natural-looking tooth mould design and Ivoclar Vivadent's expertise in removable denture prosthetics has led to the development of a denture tooth that sets new standards as far as anterior esthetics are concerned.



MDT Thorsten Michel, Schorndorf, Germany

Thorsten Michel

1987 – 1991 Dental technician training at dental lab Mangold, Stuttgart, Germany
1990 Gysi prize
1991 – 1992 German armed forces
1992 – 1994 Dental lab Albrecht Schenk, Schwäb. Gmünd, Germany
1994 – 1998 Zahntechnik Jürgen Dieterich, Winnenden, Germany
1993 3rd prize winner in the international prosthetics competition of Candulor
1999 – 2000 Master dental technician school in Freiburg/Breisgau, Germany
2000 Best performance in the examination for the master craftsman's diploma conducted by the Chamber of Trade Stuttgart, Germany
2000 Member of the study group for esthetic and functional dentistry in Stuttgart, Germany
2001 Klaus Kanter prize
 Since June **2000** Runs his own dental lab in Schorndorf, Baden-Württemberg, Germany

Matthaus Boxhoorn

1981 – 1985 Dental technician training
1985 – 1988 Allround dental technician in dental lab Spescha, Switzerland
1988 – 1989 Trainer for complete denture prosthetics according to Prof. Gerber at Gnathodontics Ltd. Dental Prosthetic Service, Denver, USA
1989 – 2003 Allround dental technician at dental laboratory Wernli, Switzerland, specialization and further education in complete denture prosthetics at prosthodontics lab M. Bosshard, Switzerland
2005 Trainer for complete denture prosthetics (Gerber) in the department of Prof. M. Bickel, University of Queensland, Australia
 Since **2006** Trainer ICDE technical for complete denture prosthetics (BPS) at Ivoclar Vivadent AG, Liechtenstein



A new approach to fabricating metal-free, implant-supported restorations with the IPS e.max® System

Dominique Vinci

Born in Switzerland in 1964, Dominique Vinci received his dental technician diploma in Geneva in 1983.

He worked as a dental technician at the University of Geneva for five years. Following this, he worked with Alwin Schönberger in Zurich and Rome for three years.

From 1995 to 2008 he was the owner of Laboratoire Odontotechnique Vinci. At the same time, he worked as a lecturer at the Dental Technology School in Geneva and regularly conducted hands-on workshops for dental technicians.

Dominique Vinci specializes in the fields of fixed esthetic denture prosthetics and implantology. He has more than 15 years of experience in working with all-ceramic systems (aluminium oxide, zirconium oxide, etc).

Together with Dr Vaillati from the University of Geneva, he received the first prize for the best clinical case at the International Implantology Congress in Munich in 2005 for a prosthetic restoration fabricated in cooperation with Prof. U Belsler from the Department of Fixed Denture Prosthetics).

In 2005, Vinci was involved in a clinical trial on the performance of the Bone-Level Implant in conjunction with zirconium oxide abutments (Straumann Anatomic IPS e.max Abutment).

Since 2008, he has been working in the capacity of opinion leader for Ivoclar Vivadent and Straumann.

At the **end of 2009**, he opened a new laboratory and further education centre (Vinci Dental Concept) in Geneva.

Date: **Fri - Sat, 14 - 15 Oct 2011**
Length: **2 days**
Lecturer: **D Vinci, Switzerland**
Fee: **CHF 1,200 / € 900**
Participants are invited to a joint dinner on the first day of the course.

The course fee for each further participant from the same laboratory is CHF 600 / € 450.

IPS e.max Ceram provides dental technicians with a myriad of esthetic options for the press technique. In this two-day course, both theoretical and practical aspects will be addressed.

The participants will perform the cut-back of a coping that will subsequently be completed with an incisal build-up using the different IPS e.max Ceram veneering materials (as well as Impulse and Essence materials, etc).

The participants will be provided with a master model with a silicone gingival mask and a bone-level implant in the place of missing tooth 11, which will be restored with two different types of implant crowns using IPS e.max Press lithium disilicate (suitable for conventional cementation) and IPS e.max ZirPress pressed over zirconium oxide.

Syllabus:

First day

- Introduction: A new approach to fabricating metal-free, implant-supported restorations
- Manual adjustment of the abutment for the pressed and cemented restoration
- Wax-up and pressing of the objects in ceramic
- Characterization of the pressed objects (cut-back after pressing).

Second day

- Ceramic layering according to D Vinci (tips and tricks)
- Adjustment of the shape and surface texture
- Mechanical polishing and glazing (different polishing techniques will be demonstrated)
- Evaluation and discussion of the restorative results.

Objectives:

- Presentation of the esthetic options available to the operator when using IPS e.max Ceram in the metal-free restoration of teeth
- Demonstration of an elegant solution to a case that represents a major challenge and could result in clinical failure
- Creation of a ceramic meso-structure using a Straumann® Anatomic IPS e.max Abutment
- Hints on adjusting the gingiva and the emergence profile of the abutment
- Theoretical and practical aspects of creating tooth anatomy
- Methods of individual characterization and esthetic veneering of restorations
- The creation of anatomically correct surface texture in glass-ceramic restorations to achieve a harmonious optical appearance of the tooth shade and the ceramic build-up.
- Tips and tricks for an efficient work flow in the fabrication of esthetic restorations.

Target group:

Dental technicians interested in a master workshop on pressable ceramics

The abutment will be provided.

The course will be held in German and simultaneously translated into English if required.



Harmony

All-ceramic restorations for anterior teeth and the completion of a computer-fabricated posterior crown

Date: **Mon - Tue, 17 - 18 Oct 2011**
 Length: **2 days**
 Lecturer: **S Kataoka, Japan**
 Fee: **CHF 1,200 / € 900**
Participants are invited to a joint dinner on the first day of the course.

The course fee for each further participant from the same laboratory is CHF 600 / € 450.

The selection of suitable materials is a decisive factor when trying to ensure an optimum outcome in the restoration of teeth. Depending on the indication and the desired esthetics and strength, different materials have to be chosen. The ability to combine different materials based on the same material concept offers operators the possibility of using several types of restorations in one individual case.

The IPS e.max® System comprises all the components required including different framework materials, such as lithium disilicate and zirconium oxide. Consequently, frameworks can either be fabricated with the proven press technique or the state-of-the-art CAD/CAM technique. Subsequently, the restorations are veneered with the same layering material to achieve optimum esthetics.

Syllabus:

In the restoration of anterior teeth, a thorough knowledge of tooth morphology is crucial. In order to create restorations with lifelike shading, the different layers or structures of the natural teeth need to be closely studied and precisely reproduced. The highly translucent IPS e.max Press HT ingots are suitable for the classic indications such as inlays/onlays and partial crowns. However, they also open up new opportunities in the fabrication of veneers, which can be put into practice quickly and easily.

Apart from fabricating two anterior restorations (crown and veneer), we will add the finishing touches to a pre-fabricated posterior crown made of IPS e.max CAD using the staining technique.

Objective:

In this course we will fabricate various restorations based on a theory that I have developed. According to this theory, all tooth surfaces feature concave and convex areas or have curved outlines. These ultimately determine the shape of the natural tooth. In order to identify these lines which are always curved and never straight, the significant points of the curvatures have to be defined and their relevance understood.

When restoring central incisors with IPS e.max Press, we need to follow certain rules that allow us to faithfully mimic the natural shape and shade of teeth, regardless of whether we use the layering or cut-back technique.

In the theoretical part, we will also address the surface texture as an essential design element in tooth restoration.

The course models with the instructions on how to fabricate the anterior copings will be sent to the participants prior to the course. The IPS e.max CAD posterior crown will be provided during the course.

Shigeo Kataoka

Shigeo Kataoka is an internationally acclaimed ceramic specialist, teacher and lecturer.

He started with Osaka Dental Studio Co Ltd in 1969. He attended Yukioka Medical Technology School, which he completed successfully in 1972.

He taught at the Apex Company for three years, starting in 1980.

In 1984, he established the Osaka Ceramic Training Centre. Then, in 1989, he founded the private laboratory Kataoka Ceramic Ltd and in 1993 the Osseo Integration Implant Laboratory, both in Osaka.

In addition, Shigeo Kataoka has written various technical articles on dental ceramics and implants.

His first technical book "Nature's morphology" was published in 1993. In 2006, his second technical book "Harmony" was published in Japanese.



Tips and tricks for IPS e.max®

Date: **Tue – Wed, 25 – 26 Oct 2011**
 Language : **French, translated only into German**
 Length: **2 days**
 Lecturer: **G Ubassy, France**
 Fee: **CHF 1,200 / € 900**
Participants are invited to a joint dinner on the first day of the course.

- Verification of the framework shade and wash firing
- Conducting of the 1st firing
- Conducting of the 2nd firing
- Notes on shade determination in the laboratory
- Use of the book "Analysis"
- Efficient and didactic study of shapes
- Study of function
- Glazing and mechanical polishing.

The course fee for each further participant from the same laboratory is CHF 600 / € 450.

A special feature of this course is that reference photographs will be imitated. During the whole course, continuous reference will be made to metal-ceramic restorations to understand the difference in the processing technique and become aware of the advantages of all-ceramic material.

Syllabus:

- Remarks on framework design
- Remarks on shade selection
- Verification of the basic shade, degree of saturation and brightness value
- Remarks on verifying the degree of translucency
- Analysis based on different photos and comments on creating a suitable ceramic build-up

Benefits:

Learn the tips and tricks of an outstanding dental technician and incorporate them into your own daily routine.

Understand the advantages and techniques of the IPS e.max System and learn how to implement them.

Objectives:

- Perfect imitation of reference photos by means of special layering techniques
- Achieving the highest level of esthetics by establishing basic shade, saturation and brightness value in a controlled fashion
- Efficient studies of shape that provide valuable information.

Requirements:

Dental technicians experienced in ceramics

Preparation:

The participants will fabricate the respective frameworks in their laboratory. Either IPS e.max Press (LS₂) or zirconiumoxide (ZrO₂) can be used.

The course models with the instructions on how to fabricate the copings will be sent to the participants prior to the course.

Gérald Ubassy

Numerous prizes and references demonstrate that Gérald Ubassy is one of the most accomplished representatives of dental laboratory science in France.

He completed his initial training as a dental technician in Montpellier in **1979**.

In **1982**, he established a private laboratory and specialized in ceramics.

He won an award in the Komet-Cd Pen Contest in **1984**.

In **1986**, he received the gold medal as Best Technician in France.

His publications in French and German journals and his presentations at international symposia and seminars have established his reputation well beyond France.

His first technical book entitled "Shape and Colour" (published by Quintessence in **1992**) in German, French, English, Italian and Japanese has been well received by the professional world.

Another successful book entitled "Analysis – the new way in dental communication" was published by Editrice M.E.A. srl in **1996**.

In **2008**, his textbook "Tips and tricks" was published by teamwork media GmbH.

Gérald Ubassy:

"One characteristic of the dental technology profession is that considerable skill and the right tips and tricks are required.

I personally find it very difficult to describe artistry. As it is my desire to communicate and share the knowledge I have acquired, I would like to demonstrate how I rationalize working steps and implement them in daily practice. Applied logic helps us to select the right shape and shade and adjust the all-ceramic objects we fabricate accordingly.

In this way, the best possible integration of the restoration into the natural oral environment of our patients is obtained."



Anterior esthetics with IPS e.max[®] Ceram – Laminate veneers in combination with crowns – translucency in combination with opacity

Date: **Fri – Sat, 28 – 29 Oct 2011**
Length: **2 days**
Lecturer: **C Wohlgenannt, Austria**
Fee: **CHF 920 / € 690**
Participants are invited to a joint dinner on the first day of the course.

The course fee for each further participant from the same laboratory is CHF 460 / € 345.



Our focus are those patients who place great importance on individuality and naturalness and are not interested in cheap mass products from mass manufacturers in foreign countries or CAD/CAM-fabricated crowns off the shelf. The challenge is to seek contact with patients and clinicians and to create an awareness of the outstanding possibilities offered by our craft.

Key topics:

- Reproduction of tooth shape
- Staining of material and experimenting
- Harmonizing the appearance of crowded teeth with e.g. a minimally invasive veneer restoration
- Mimicking nature as closely as possible with the help of a photo.

Syllabus:

- Try-in shows restoration does not fit, what now?
- Achieving the best possible esthetic result – step-by-step
- The importance of fabricating a wax-up
- Adjustment of the brightness value
- Why fluorescence and opalescence?
- Creation of surface texture
- Individual layering of a laminate veneer to be inserted between two crowns
- Comments on shade selection; determination of the tooth shade of course participants
- Indications for the layering and cut-back techniques
- Insight into the versatile esthetic options offered by IPS e.max Ceram
- Useful tips on handling.

Objective:

All course participants will fabricate two crowns and a laminate veneer.

Target group:

Dental lab technicians who want to learn more about the opportunities opened up by modern all-ceramic materials in the field of veneer and crown restorations.

The course models with the instructions on how to fabricate the copings will be sent to the participant prior to the course.

The course will be held in German and simultaneously translated into English if required.

Carola Wohlgenannt

Carola Wohlgenannt, née Harfst, born **1975**, completed her dental technician training in **1995** following a three-year apprenticeship at Dental Studio Selke in Stuttgart, Germany.

In **2002**, she passed the master dental technicians exam in Freiburg, Germany, scoring the highest points of all the students taking it. Until **2004**, she gained additional knowledge and skills in the field of metal-ceramics and all-ceramics at the dental lab "Oral Design Thilo Vock" in Stuttgart, Germany. Subsequently, she went abroad for three months to work for the dental lab Jogi Kern in Beverly Hills, Los Angeles. Since the beginning of **2005**, she has been working as a self-employed member of the team "Wohlgenannt Zahntechnik" in Dornbirn, Austria.

