

Berlin to become a centre for experts

Internationally renowned experts from the academic and dental community are meeting in Berlin for an International Expert Symposium on 15 September 2012. Numerous innovative approaches and practical solutions for dental applications will make this a memorable event.

Berlin will become a hot spot for dental experts in September 2012. Ivoclar Vivadent is hosting an International Expert Symposium featuring well-known luminaries in the field of all-ceramics and implant prosthetics. Around 700 visitors from across the globe are expected to join the event.

Experts from home and abroad will discuss the advantages of the latest materials, present innovative solution approaches and provide useful tips and tricks for the daily

work in all-ceramics and implant prosthetics. Exciting presentations and the opportunity to exchange views with international experts will make this conference a valuable experience.

Do not miss this opportunity to benefit from the experience of experts and obtain more information about the Symposium.

www.ivoclarvivadent.com/IES2012

Upcoming international events of Ivoclar Vivadent:

**16–17 August 2012:
17th Seminar Ivoclar Vivadent
Mexico, Mexico City**

**15 September 2012:
International Expert Symposium
Berlin, Germany**



**INTERNATIONAL
EXPERT SYMPOSIUM**
BERLIN, 15 September 2012

* Attendance fee: 248 euros excl. VAT per person. Early-bird fee for registrations before 20 August 2012: 186 euros excl. VAT per person.

Contact us

- India: +91(22) 2673 0302
- other: +423-235 36 36

www.ivoclarvivadent.com

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update

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SR Nexco

The lab composite – easy and quick

The light-curing lab composite SR Nexco Paste opens up a new world in the dental lab work. Lifelike appearance, layer thickness tolerance and flexibility in the polymerization – working with a lab composite has never been so easy.

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Now offering customers even
more benefits

COMPETENCE IN IMPLANT ESTHETICS



Lifelike
appearance –
made easy

The new lab composite SR Nexco affords dental laboratories numerous advantages. Due to the micro-opal fillers, SR Nexco Paste features true-to-nature optical properties, which is particularly conducive to the esthetic appearance of a restoration. The shade effect is tolerant of varying levels of thickness. This means that a consistent shading can be achieved in a veneer quickly and easily even with different thicknesses or if space is limited.

Restorations with a lifelike appearance

SR Nexco restorations achieve a durable shade stability and a stable gloss as a result of the polymerization process. You can thus fabricate restorations with a very natural appearance in any light conditions.

Versatile applications

SR Nexco can be used to fabricate either framework-based or framework-free restorations. The product's extensive Gingiva shade range is particularly useful when you fabricate implant-supported restorations with artificial gingiva portions: With SR Nexco, you can achieve a natural shade effect in artificial gingiva in a targeted manner by combining it with identically shaded denture base materials, such as IvoBase®. However, there are more benefits to using SR Nexco, which becomes particularly evident when it comes to fabricating large prosthetic restorations.

SR Phonares® II

Tooth mould artistry

To improve a good product even further requires real skill: Both esthetically and functionally, the first generation of Phonares® has already set new standards in prosthetic dentistry due to its exceptional design and Set&Fit feature. Like their predecessor, the new Phonares® II tooth moulds are again based on the latest scientific findings to meet the exacting requirements of customers.

To offer customers a wider field of application, Ivoclar Vivadent has extended the range of Phonares components to include essential new features. The shades of the tooth moulds are optimally coordinated with the new SR Nexco system, which is especially designed for use in partial and combination dentures. Additionally, the A–D shade guide including 16 different shades and four innovative bleach shades greatly facilitates the colour communication between the laboratory and practice. As a result, patients benefit from natural-looking restorations.

However, there is more novelty to be found: The existing range of 22 anterior moulds has been extended to include two additional lower anterior moulds (L54 and L55). Consequently, users are optimally supported in the creation of lifelike esthetic restorations, not only by the large range of moulds but also by the use of advanced denture tooth materials.

All Phonares tooth moulds feature an interproximal design that ensures an ideal interdental closure. Natural-looking teeth and happy patients are the result.



IvoBase® injection moulding system

Precise. Tissue friendly. Fully automated.

In the field of manufacturing methods for removable restorations, Ivoclar Vivadent is demonstrating its innovative strength with the launch of the IvoBase® system. The fully automated IvoBase Injector includes two optimally coordinated types of denture base materials (IvoBase Hybrid and IvoBase High Impact) and offers a large range of features.



It's a first: IvoBase uses a fully automated injection moulding and polymerization process to eliminate chemical shrinkage by a continued flow of material. Extremely accurately fitting dentures are the result. The high level of precision saves users valuable time in finishing the restoration. If in addition to the polymerization program the RMR button (residual monomer reduction) is activated, the residual monomer content can be reduced to < 1%, resulting in restorations that exhibit a silky basal gloss and offer a high comfort to wear.

As an auto-polymerizing denture base resin, IvoBase offers an exceptionally high impact strength. It meets and even surpasses the required standards for materials with increased impact resistance.

IvoBase High Impact is especially indicated for cases involving high chewing forces. The second denture base material, IvoBase Hybrid, has been used in clinical applications for many years.



Oral health management for seniors

Senior Care from Ivoclar Vivadent involves coordinated products and services for professional health management in seniors.

Specialized systems from Ivoclar Vivadent provide the basis for customized oral health management in target groups ranging from toddlers to seniors. These systems cover the specific products and services needed for meeting the different requirements of this wide spectrum of age groups. The solutions focus on creating a healthy oral cavity, healthy teeth and healthy gums. Moreover, restored teeth and other dental appliances are offered the appropriate care. Apart from the functional aspects, esthetics and well-being are also addressed.

Special needs of the elderly

Senior Care comprises products that care for natural teeth, dentures and soft tissue gently and effectively and protect them for

many years to come. These products include: Proxyt® – prophylaxis pastes for professional tooth cleaning; Cervitec® – oral care gel, rinsing solution and protective varnish all containing chlorhexidine for fighting germs; Fluor Protector – preparations for protecting teeth from acids; and VivaSens® – a desensitizing varnish for hypersensitive teeth.



A good feeling in the mouth increases a person's sense of well-being.

Comprehensive expertise

Apart from practical experience, results from studies, in which the products were used to treat a variety of problems in the individual patient groups, are available. Information about the particular product benefits and special application tips for the different target groups are provided in the corresponding promotional documentation.



A mild oral care gel is used to treat denture stomatitis. (Picture: Dr A. Peschke)

Tetric® N-Collection on the road to success

Since its introduction in 2007 the nano-optimized restorative system Tetric® N-Collection has impressed and gained large numbers of users. In a special feature, five international opinion leaders talk about the benefits and advantages of the Tetric N-Collection.

Clinical results have shown that the restorative system Tetric® N-Collection is suitable for a wide range of indications, enabling users to meet the patient requirements of virtually every direct dental restorative indication. Because of the nano-hybrid technology, all the materials of this restorative system feature outstanding mechanical properties and convenient handling properties.

A multi-talented product for versatile applications

In a special feature, renowned international opinion leaders presented a variety of clinical cases and indications with a remarkable result: The products of this family offered an appropriate solution for every indication and filled everybody with enthusiasm due to the very natural-looking, highly esthetic results. Whether they use it for a posterior

restoration or a diastema closure or any other application, dentists can always benefit from the beneficial properties of this product family. The materials are coordinated with each other, enabling dentists to achieve lifelike restorations efficiently. The Tetric N-Collection special feature is available in English and soon in Spanish. Please contact your local Ivoclar Vivadent office to order a copy.



Tetric® N-Collection

Tetric® N-Ceram | Tetric® N-Flow | Tetric® N-Bond | Tetric® N-Bond Self-Etch

Designed to win you over

Only just launched, already distinguished: Bluephase Style has received two prestigious design awards.

In the daily work, the design of equipment plays an important role. The weight and an appropriate weight distribution when in the hand are further criteria which matter to users. These were the main aspects on which we focused in the development of Bluephase Style.

Conventional LED lights used to come either in the shape of a gun or a pen. The new high-performance LED curing light Bluephase Style, however, can be held both ways. Its ergonomic design allows you to keep your hand in a natural position and enables relaxed and strain-free polymerization – regardless of the size of the hand.

Rubber dam clamps, matrices and a restricted capability to open the mouth are no longer an issue. You can seize the curing light quickly – and yet it is always safe in your hand. Due to the shortened light probe, all tooth surfaces can be easily reached.

A significant token of quality

The red dot design award and the IF Design Award are regarded as the longest standing and most important design awards in the world. These awards therefore speak for the quality of Bluephase Style.



reddot design award
winner 2012



product
design award
2012

red dot design award and IF Design Award –
A proof of quality for good design.

Tetric® N-Ceram

Tetric® N-Ceram is a light-curing, radiopaque dental restorative based on nano-hybrid technology. It is suitable for the esthetic restoration of teeth in the anterior and posterior region.

Because of the nano-hybrid filler technology, Tetric® N-Ceram features excellent mechanical properties, such as low shrinkage due to the prepolymer filler composition, low wear and high stability. Additionally, the ytterbium fluoride fillers provide the material with a high radiopacity of 400% Al, which considerably facilitates the detection of secondary caries on X-rays.

Versatile applications and shade characteristics

The nano-modifier contained in Tetric N-Ceram imparts the material with outstanding modelling properties. The material does not stick to instruments. Nano-particles are responsible for the material's exceptional polishing properties. Together with the natural translucency of the material, the integrated nano-colour pigments create an esthetic chameleon effect. The nano-colour pigments are homogeneously distributed in the composite, improving the shade adaptation to the surrounding natural teeth. Tetric N-Ceram is available in 16 shades: two dentin shades, ten enamel shades, a highly translucent incisal shade and three bleach shades.

A well-coordinated system

Tetric N-Ceram forms part of the Tetric N-Collection, a comprehensive composite restorative system for the fabrication of high-quality standard restorations. All the products of this system are coordinated with each other to ensure a successful clinical outcome.



Vivaglass® CEM

Natural effect of conventionally cemented restorations

In spite of the beneficial properties of modern adhesive cementation techniques, the demand for conventional materials continues to soar. Easy use and straightforward excess removal, combined with other economic aspects, speak in favour of conventional cementation materials.

With Vivaglass® CEM, Ivoclar Vivadent offers a self-curing glass-ionomer cement in a powder/liquid delivery form. Vivaglass CEM is designed for the conventional cementation of crowns and bridges made of high-strength all-ceramic materials (lithium disilicate glass-ceramic, zirconium and alu-

minium oxide ceramics) as well as for the cementation of inlays, onlays, crowns and bridges made of metal and metal-ceramics.

Vivaglass CEM offers a straightforward application protocol and high translucency, ensuring natural-looking esthetic results. The powder and liquid component are mixed in a 1:1 ratio. After the mixture has been prepared, the conditioned restoration can be seated straight away. Rubber dam isolation is not mandatory to place the restoration because Vivaglass CEM is tolerant of moisture. Provided that the preparation has been designed with an adequate reten-

tive preparation pattern, mechanical retention is achieved. As a result, the need for a primer or adhesive is eliminated.

The high translucency of about 7% ensures a natural esthetic appearance in the cementation of translucent restorations made of e.g. IPS e.max® CAD/Press LT due to the uniform distribution of light. Excellent material properties including low water solubility, adequate radiopacity and fluoride release complete this product.

*Source: Market Research Ivoclar Vivadent AG, Global Dental Market 2010

Proxyt®

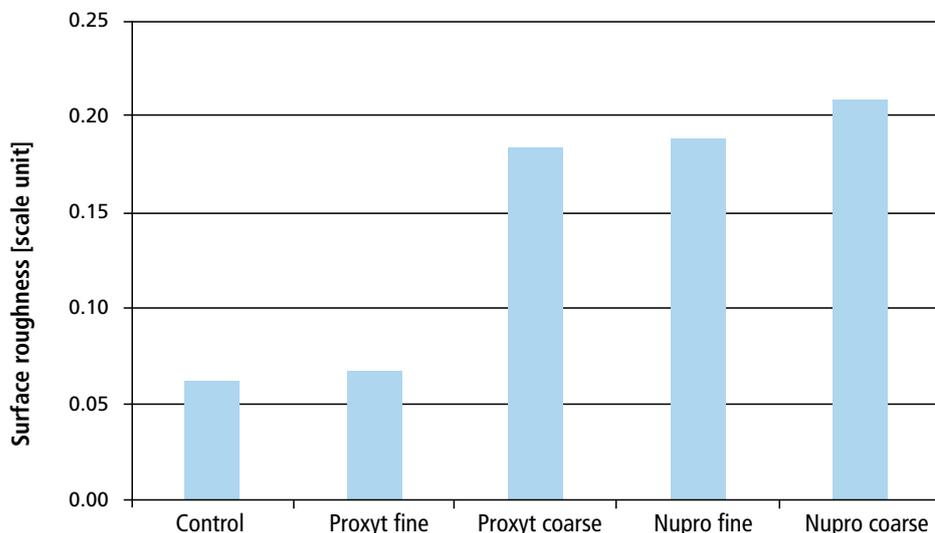
Gentle care

Prophy pastes have been shown to affect the surface smoothness of ceramics. The latest study results* confirm the gentle action of Proxyt® fine on ceramic restorations.

The effect of four different prophy pastes on the surface roughness of glazed ceramics (Empress® CAD from Ivoclar Vivadent) was tested under standardized conditions and compared with untreated samples. The

study included Nupro® coarse and Nupro® fine (Dentsply) and Proxyt® coarse and Proxyt® fine (Ivoclar Vivadent). The coarse pastes and Nupro fine were shown to roughen the ceramic surfaces quite consid-

erably. After the treatment with Proxyt fine, however, the ceramic surfaces did not demonstrate any changes and their quality remained the same.



Surface roughness of Empress CAD ceramics after the treatment with various prophy pastes

*Study: Yazici AR, Antonson DE, Campillo M, Antonson SA, Karaman E, Munoz C: Effect of prophylactic pastes on ceramic surface roughness. J Dent Res 2012 ; 91 (Spec Iss A) : 1059
Nupro is not a registered trademark of Ivoclar Vivadent AG.

The IPS e.max® CAD-on technique: Connecting the next generation

The IPS e.max® CAD-on technique enables users to fabricate high-strength and highly esthetic restorations from IPS e.max CAD (LS₂) and IPS e.max ZirCAD (ZrO₂) material. Due to the CAD/CAM-based fabrication process, tooth- or implant-supported posterior bridge restorations (with up to 4 units) can be produced.

Two components are required for the CAD-on technique: a zirconium oxide framework made of IPS e.max® ZirCAD and a lithium disilicate veneering structure milled from the new IPS e.max CAD HT B40 block. This material meets the most exacting esthetic demands and combines sophisticated technology with ease of use.



Zirconium oxide framework, lithium disilicate veneering structure, 3-unit CAD-on bridge.

Efficient processing

Both components are designed with the intuitive Sirona inLab software V3.80 and milled in a Sirona inLab MC-XL unit. The

rapid sintering of the IPS e.max ZirCAD framework takes place in a Programat S1. Productivity is increased due to parallel processing and the short process times: The active work time is reduced by up to 40%.

Homogeneous all-ceramic bond

The homogeneous all-ceramic bond between the two separately milled components is achieved during the IPS e.max CAD crystallization process by means of the specifically developed innovative IPS e.max CAD Crystall./Connect fusion glass-ceramic.

The IPS e.max CAD-on technique is a viable alternative to the layering or press-on technique and represents a new generation in bridge technology, which is unmatched in terms of user friendliness, efficiency, esthetics and overall strength.



Materials for the IPS e.max CAD-on technique: IPS e.max ZirCAD, IPS e.max Crystall./Connect, IPS e.max CAD.

Multilink® N: successful cementation

The Multilink N composite cement generates a strong and durable bond to all restorative materials. It is used to cement all types of restorations.

The self-curing composite cement Multilink® N, which can be optionally light-cured, has universal applications. It can be used to cement all types of indirect restorations made of metal, PFM, lithium disilicate, glass-ceramics, composite resins and zirconium oxide ceramics.

Multilink N establishes a very strong bond to a variety of restorative materials. On glass-ceramics and silicate ceramics, Multilink N is used in conjunction with a silane (Monobond-S) and on PFM restorations and oxide ceramics with the Metal/Zirconia Primer. The preparation is conditioned with the self-etching Multilink N Primer A/B. The primer facilitates the cementation procedure, as it eliminates phosphoric acid etching. The self-etching and self-curing Multilink N Primer A/B ensures high bond strength values and considerably improves dentin sealing. Moreover, the long-term clinical success of restorations is improved with regard to retention, prevention of marginal discolouration and secondary caries and fracture toughness.

The convenient automix syringe enables Multilink N to be applied directly on the restoration in the exact amount needed. Accessories such as a capsule injector, activator and mixer are not needed. Furthermore, the amount of available cement is no longer restricted to the contents of a single capsule.

Effective assistance in the consultation of patients

Dentists are increasingly playing the part of consultants. Consultancy talks with patients are, however, time-demanding. To offer assistance, Ivoclar Vivadent has created various patient brochures which provide information on important and frequently asked questions by patients.

IPS InLine® – For your personal smile

The IPS InLine system offers patients a high-quality esthetic solution in the case of defective or even missing teeth. The leucite-ceramic material is particularly suitable for the proven combination of a metal framework and a ceramic covering. The IPS InLine Patient Information informs patients about the advantages of an esthetic and stable restoration and the positive effect of such a restoration on dental health. Smiling together, showing joy and giving out an air of well-being and happiness: The IPS InLine system makes it possible.



Professional oral and dental care

Tooth brushing alone is often not sufficient to maintain good oral and dental health and ensure the quality of restorations and tooth replacements. An increasing number of people are using additional, professionally recommended products at home.

Target-group-focused patient brochures on Cervitec® Gel, Cervitec Liquid and Fluor Protector Gel provide valuable tips on how to apply these products easily. These brochures support the dental consultation in the practice and contribute to the professional treatment success.

The patient brochure is available free of charge in English and in German. It can be ordered from your sales representative or from the company headquarters in Schaan (+423 235 3636).

A website for on the road

With immediate effect, the Ivoclar Vivadent website is available in a format that is compatible with web-enabled mobile phones and tablet PCs.

This new clearly designed mobile version of the Ivoclar Vivadent homepage allows interested people to inform themselves about the latest products and information offered by the company, anywhere and at any time. The mobile compatible version of the website has an attractive look. The user-friendly navigation system allows users to browse through the contents of the website quickly and easily.

Internet users can find their way around the website with just a few clicks. The website displays optimally on any mobile device. In addition, a cleverly designed search function offers easy access to a wide array of products and a wealth of information.