Editorial:

In a summer of international events –
the CEREC 25th Anniversary Celebration

When in the coming weeks the world’s best soccer teams come together in South Africa, they will celebrate not only a festival of sport but equally an exchange of cultures. Today, no one knows for sure which nation will emerge as the winner of the 2010 World Cup on 11 July. However, one thing is clear, from 26 to 28 August CEREC will celebrate its 25th anniversary with a three-day scientific congress.

A quarter of a century ago in 1985, a patient at Zurich University received the very first CEREC inlay. In the meantime more than eight million patients worldwide have received a total of 20 million CEREC restorations. We look back on this success story with great pride. As was the case at CEREC’s 20th anniversary celebrations in Berlin and Las Vegas, we look forward to welcoming distinguished members of the international CAD/CAM community, who will talk about past, present and future developments in the CEREC and inLab systems. We are working feverishly and with great enthusiasm to ensure that the 25th anniversary celebration is an unforgettable experience for all concerned.

We look forward to seeing you there.

Your CEREC Team

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1. Birthday celebration or an investment in the future?

International CEREC symposium will analyze the current status of dental CAD/CAM restorations.
More than 30,000 dental CAD/CAM systems have been installed worldwide. The chairside restoration of dental defects first became a reality 25 years ago. Since 1985 more than 20 million all-ceramic CEREC restorations have been created. Numerous internationally published and highly regarded clinical and practical studies have been carried out worldwide into this computerized therapy procedure. These studies demonstrate that adhesively bonded ceramic restorations achieve high survival rates (according to Kaplan-Meier) which had previously been attributed only to metal-based restorations. In addition, cost-benefit calculations on the basis of health insurance data prove that the chairside method is superior to conventional procedures.

The 25th anniversary of CEREC offers an opportunity to undertake a transparent review of the collective global experience with CEREC and to examine the future prospects of the system. This will prepare the ground for the closer digital networking of dental practices and laboratories. Applications already exist for the optoelectronic scanning of quadrants, plus antagonists; for biogenetic occlusal surface design; and for the online exchange of data with dental labs. The combination of CEREC and digital cone beam computed tomography (CBCT) simplifies diagnosis, planning and surgery. This means that dentists can make allowance for the prosthetic superstructure when inserting implants. On the basis of these developments CEREC has become the international driving force behind computerized dental reconstruction.

From 26 to 28 August 2010 dentists, academics, dental technicians, CAD/CAM specialists and CEREC users will gather at Caesar’s Palace Hotel in Las Vegas, USA, in order to swap ideas and experience. The US-based speakers, in particular, will put forward convincing arguments for the rapid adoption of the CEREC system in North America. Approx. 40 speakers will contribute to the extensive scientific program.

Jacob G. Park, DDS, a dental practitioner in San Antonio, Texas, and Clinical Professor at the Dental School of the University of Texas Health Science Center, will lecture on the conservation of biological and functional structures. A CEREC user since 2001, Dr. Park will explain to the attendees how he creates functional occlusal surfaces with the aid of the “Twin Stage” technique.

Robert J. Kelly, DDS, Director of the Dental Clinical Research Center at the University of Connecticut, is a proponent of monolithically machined crowns that meet high aesthetic standards. He will present numerous clinical examples to underline his arguments.

Edward J. Schlissel, DDS, is Professor Emeritus at the Department of General Dentistry, Buffalo NY, and has acquired extensive experience with computerized restoration procedures and their integration into dental practices. He is a strong believer in “continuous learning”. His core messages can be summed up as follows: differentiated preparation techniques; the critical evaluation of software proposals when performing virtual designs; the deployment of digital shade selection systems; and a clear focus on long-term clinical success.

Robert S. Conrad, DDS, Houston, Texas, was one of the first prosthodontists in the USA to utilize chairside CAD/CAM technology. After graduating from the University of Texas Dental Branch he received specialist training in prosthodontics at the Veterans' Affairs Hospital in Houston. A CEREC user since 1990, Dr. Conrad qualified as a CEREC trainer, taught the chairside technique to more than 2,500 colleagues and published a digital CEREC encyclopedia on DVD. He uses the GALILEOS system in his dental practice for diagnostic purposes and for planning surgical procedures. In Las Vegas Dr. Conrad will focus on soft-tissue forming techniques and restoration methods that aim to optimize the papilla and avoid dark interdental triangles.

Rich T. Masek, DDS, is a recognized aesthetics specialist among the CEREC users. After graduating from the University of Southern California Dental School he focused on aesthetic restorations. A CEREC user since 1990, his exemplary veneers and functional veneer crowns have won several prizes awarded by dental associations. Dr. Masek is a past President of the Academy of Computerized Dentistry of North America. At the CEREC 25 symposium Rich Masek will take the attendees on a 20-year journey, full of ups and downs, dedicated to the goal of realizing individualized therapy solutions.
Russel A. Giordano, Associate Professor as well as Director of the Biomaterials Dept. at Boston University Dental School, has acquired an international reputation as a “bridge builder” and expert on the machining of zirconium oxide ceramics. After receiving a DMD from Harvard School of Dental Medicine he obtained a D.M.Sc. degree at Massachusetts Institute of Technology and developed milling methods for pressable and machinable dental ceramics. Giordano became known on account of his investigations into the properties of zirconium oxide derived from different sources. He was able to prove that different input materials and sintering methods lead to variations in quality with regard to long-term durability and shrinkage. He recommended that users should opt for tried-and-tested branded materials; only these deliver sustained clinical reliability. At the CEREC symposium Dr. Giordano will lecture on the following topics: the anatomical design of zirconium oxide frameworks and their cusp-supported facing; methods for avoiding chipping; and bonding methods.

Mark R. Morin, DDS, a dental practitioner based in Springfield, near Detroit, can look back on 21 years of experience with CEREC. Having meanwhile carried out 20,000 CEREC restorations, he has acquired an in-depth knowledge of the wide-ranging possibilities of the CEREC software. The attendees will be able to watch him perform a quadrant restoration during a single treatment session.

Dennis J. Fasbinder, DDS, is Clinical Professor at the Department of Cariology, Restorative Sciences and Endodontics at the University of Michigan in Ann Arbor. A CEREC user since 1993, he has developed interdisciplinary working procedures for chairside and labside, as well as for digitally networked dental practices. At the Las Vegas Convention Dr. Fasbinder will report on his clinical experience with lithium disilicate (e.max CAD) for conservative and prosthetic restorations.

Over a period of many years prosthodontist David M. Roessler, DDS, from Sydney/Australia has evaluated chairside and conventional labside ceramic restorations and compared his findings with the available scientific literature. He has developed new concepts designed to increase the clinical longevity of dental restorations. Dr. Roessler will give the symposium attendees an insight into his “pragmatic CEREC logbook”.

Other speakers will discuss the “impression-free” dental practice and the role of CEREC Connect in streamlining collaboration with dental laboratories. A further topic will be the interaction of CEREC and the GALILEOS CBCT system in the field of implantology and implant superstructures. James R. Glidewell will talk about CAD/CAM in a laboratory context. He is the owner of Glidewell Laboratories in Riverside. With its eight production locations and 2,100 employees, Glidewell is a highly profitable enterprise and is regarded as a pacemaker for the computerized manufacture of all-ceramic restorations. At the CEREC symposium James Glidewell will discuss the fabrication of monolithically milled crowns and explain his company’s marketing strategy.

The organizers are aware that the CEREC Symposium will accelerate the trend towards all-ceramic CAD/CAM restorations in dental practices and laboratories. In addition, the advent of the “impression-free” practice will foster the closer networking of chairside and labside procedures. In a continent where innovations are adopted more rapidly than in other parts of the world the speakers will deliver further proof that CAD/CAM technology will be the future standard in dentistry.

Those who are interested in attending the International CEREC Symposium in Las Vegas from 26 to 28 August 2010 can obtain further information via the website www.cerec25.com. German-speaking attendees will receive support in their own language. The abstracts of the lectures and workshops will be published in German. The Symposium will be accompanied by an extensive program of entertainment as well as sightseeing tours to the regional highlights. Special flight and hotel arrangements are available via the travel agent Bühler Lufthansa City Center in Freiburg, Tel. (+ 49 761) 611600, contact: Ms. Brender, e-mail: info@globalplus.de

Manfred Kern

2. Poster exhibition

On the occasion of our CEREC 25th Anniversary Celebration Symposium we would like to give all attendees the opportunity to present, discuss and evaluate their scientific investigations and clinical experience in the form of posters. If you are familiar with dental CAD/CAM techniques (especially CEREC), we invite you to submit a summary (abstract) of your planned presentation no later than 15 July 2010. The abstracts and posters must conform exactly to the guidelines shown below.

The Scientific Commission headed by Zurich University in collaboration with the University of Michigan will evaluate each abstract and decide whether or not the poster presentation will be accepted. After 15 July 2010 the acceptance/rejection of your abstract will be final.

The two best posters in each category, see guidelines, will be selected and announced during the symposium.

We look forward to receiving your submissions.

Abstract guidelines for scientific presentations

Submissions: online only
Language: English
Deadline for submissions: 15 July 2010
Written notification of acceptance/rejection: 31 July 2010
Maximum number of words in the abstract: 300
Maximum number of words in the title: 10
Maximum number of authors: 6
Mandatory outline and headings in the table of contents:

- Goals
- Methods
- Results
- Conclusions

Abstracts should be e-mailed to: betsy.ashworth@sirona.com

Conditions of participation

Any studies or research reports on CAD/CAM in general or on CEREC can be submitted in one of the following categories:

a) Scientific posters by professors, scientists and dentists attached to universities or dental schools

b) Scientific / practice-oriented posters by dentists, dental technicians and dental assistants from dental practices

The posters will be selected by the Scientific Committee consisting of Professor Werner Mörmann (chair), Professor Albert Mehl and Professor Dennis Fasbinder.

Poster presentation

The poster presentations will take place during the coffee and lunch breaks and are thus open to all congress participants. On Friday 27 August and Saturday 28 August the poster presentations will start at 8:30 a.m. and conclude with the last educational session of each day.

Upon registration participants will be provided with their exhibiting location. Individuals are responsible for printing and display placement 30 minutes before the hall is open and for removing the poster at the last session of the day.

Guidelines for submissions

- Format: the usable work area for a poster is 4 feet high by 8 feet wide (1.22 x1.44 in meters)
- One page abstract in pdf format
- Please adhere to the following guidelines:
  - Title
  - Authors
  - Topic
  - Materials and methods
  - Results
  - Conclusions
  - Headings
  - Figure captions
- Only posters that take up no more than one page will be accepted. Naturally, if you wish you may submit a detailed paper that can be distributed at the time of the poster presentation.
- Electronic presentations are not permitted
- Abstracts should be e-mailed/sent to Betsy.Ashworth@sirona.com no later than 15 July 2010.

Poster awards

The main author of the poster from a university or a dental school will have their tuition paid for by Sirona.
The main author from a private practice will have their tuition reduced by USD 300.00.

The Scientific Committee will select the best poster of each category.
The awards will be presented on Saturday 28 August at 1:15 p.m.

Copyright

The posters will be copied onto a CD which will be given to all attendees. Otherwise all rights of reproduction and copyright remain with the author.

Registration

Please use the fax form available on the registration site www.cerec25.com and include the reference “scientific session”.

3. Flyer “The man who created CEREC”

CERECdoctors.com magazine
Just a few months before we will celebrate CEREC’s 25th anniversary in Las Vegas in August, CERECdoctors.com magazine, features an interesting interview with Professor Werner Mörmann, along with a number of scientific articles and “tips & tricks”. Reason enough for us to attach the magazine’s pdf to this CEREC News.

CERECdoctors.com is the premier source for up-to-date CEREC information in the USA and on the internet. Please visit www.cerecdoctors.com to view more information on the vast educational opportunities cerecdoctors.com offers to every CEREC user.

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4. Flyer "CEREC 25"

You want to know more about CEREC 25? Click here or visit www.cerec25.com

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5. GALILEOS 3D Summit at CEREC 25 in Las Vegas

Prior to the CEREC 25th anniversary celebration in Las Vegas a GALILEOS 3D Summit will take place on August 25th. The 3D Summit is the only continuing education seminar to demonstrate full clinical integration of 3D Cone Beam imaging and CAD/CAM dentistry. The new and unique implant planning security of CEREC combined with GALILEOS sets new standards in implantology. CEREC meets GALILEOS increases patient case acceptance, improves diagnostic capacity and office productivity, and increases precision in treatment for better aesthetic outcomes.

The program will feature 5 lecturers and a live patient case. Take your practice into a whole new level and join us at the upcoming GALILEOS 3D summit! For more information and registration please visit the website http://www.3dsummit.com/

WEDNESDAY, AUGUST 25:

07:00 - 08:30  Registration – Continental Breakfast
08:30 - 09:00  Welcome & Introduction
09:00 - 10:00 GALILEOS & CEREC – Together for Better Patient Care
               Dr. Neal Patel and Dr. Jay Reznick
10:00 - 11:00 3D Radiography – See Things from a New Perspective
               Dr. Don Tyndall
11:00 - 11:20 Break
11:20 - 12:30 Practical Integration – GALILEOS in Your Office
               Dr. Tarun Agarwal
12:30 - 13:30 Lunch
13:45 - 14:45 3D Guided Surgery – A Specialist's Perspective
               Dr. Jay Reznick
14:45 - 15:45 Live Patient Case – GALILEOS and CEREC in Action
               Dr. Neal Patel and Dr. Jay Reznick (moderator)
15:45 - 16:05 Break
6. ISCD master class

The ISCD offers comprehensive one-day course for CEREC enthusiasts

Las Vegas is going to be an extraordinary event for the whole CEREC world. The 25 year development of this fascinating technique is characterized by the rapid development of computer technology and especially through continuously advancing and improving software. The newly presented software V3.8 gives users unprecedented functionality. What is easier than to dive right in and learn about the variety of exciting new possibilities prior to the 3-day scientific congress. For the first time, the ISCD has organized this one-day course for CEREC enthusiasts to give a full immersion into this outstanding software update. Simultaneously with world-renowned specialists - most of them Beta Testers with inside knowledge - you will learn how to handle even complicated situations that might occur. Bring your own notebook and let yourself be guided step-by-step.

Here you will get all your answers to your CEREC questions. Become an expert. Learn how to construct multiple and complex anterior and posterior restorations effectively, learn all about one-step Maryland bridges, double crowns, quick registrations and much, much more.

Due to the nature of the course being hands-on space is limited. Take advantage of a discount when bringing two or more colleagues from the same office.

7. Sightseeing in Las Vegas

From 26 to 28 August 2010 the big attraction in Las Vegas will be CEREC 25, the scientific symposium marking our 25th anniversary.

Las Vegas has a great deal more to offer. Every year more than 35 million visitors flock to this gambling metropolis in the Nevada desert. A unique array of attractions, world famous shows and sporting events ensure that Las Vegas is an unforgettable experience. Every year countless couples tie the knot in the city's wedding chapels – more than in any other city worldwide.

If you’re already married, or marrying is not an immediate priority, we recommend you visit one of the world-class shows in Las Vegas – for example, the Blue Man Group, Cirque de Soleil or illusionist David Copperfield, who will be appearing at the MGM Grand Hotel from 26 August 2010 to 15 September 2010. You can then wander along the Strip, visit the Paris Hotel with its replica of the Eiffel Tower, check out the fairy tale atmosphere of the Excalibur, admire the gigantic Luxor pyramid, glide along the canals at the Venetian or enjoy the views from the Bellagio, which draws its inspiration from Lake Como in Italy. You can also discover other fantastic hotels based on themes as diverse as Japan and New York City, before returning to Imperial Roman splendour of Caesars Palace. Las Vegas is also a popular starting point for excursions to the Hoover Dam in the south, where the Colorado River is backed up to form Lake Mead. Other popular destinations are Death Valley and Red Rock Canyon to the north west of Las Vegas, and the world famous Grand Canyon to the east. About one hour to the north of the city, on the way to Death Valley, lies the ghost town of Rhyolite. At the beginning of the 20th century this gold rush settlement was home to 10,000 inhabitants. Today it houses an open air museum.

During our 25th anniversary celebrations the concierge service at Caesars Palace will be glad to help you plan your leisure activities.

Further fascinating information is available at: http://www.vegas-online.de.

See you in Las Vegas!