Ketac™ Universal Glass Ionomer Restorative Clinical Case

By Dr. Gunnar Reich, Germany

Fig. 1: Initial situation: upper first premolar with insufficient disto-occlusal restoration

Fig. 2: Cavity preparation after removal of the defective restoration

Fig. 3: Placement of sectional matrix system

Fig. 4: Bulk placement of Ketac™ Universal Glass Ionomer Restorative into cavity

Fig. 5: Shaping of occlusal surface with the instrument

Fig. 6: Final Ketac™ Universal restoration after polishing with Sof-Lex™ Spiral Polishing Wheels

Fig. 8: Final Ketac™ Universal restoration after polishing with Sof-Lex™ Spiral Polishing Wheels

Ketac™ Universal Restorative. Dentist satisfaction ratings

By 3M

Ketac™ Universal restorative is designed to save steps and time... therefore the handling must also support a fast, easy procedure. In an application test 3,510 fillings were placed using Ketac™ Universal Glass Ionomer restorative. Dentists were pleased with overall handling, ease of placement and cavity adaptation.

References

1. Please refer to the Technical Data Sheet.

3M Announces New 3M Oral Care Organization

By 3M

Consistent with 3M’s strategy to increase customer relevance, the company has announced the formation of 3M Oral Care, combining the former 3M ESPE Dental and 3M Unitek Orthodontics into a single new division, led by Vice President & General Manager James D. Ingebrand.

“Building on our strong brands and technologies, 3M Oral Care will leverage our fundamental strengths in science and innovation to deliver a complete suite of oral care for dentists and orthodontists, to improve patient outcomes,” said Joaquin Delgado, Executive Vice President, 3M Health Care Business Group. “We are committed to further building on our more than half a century of innovation in the oral health industry,” Ingebrand said. “This will accelerate our momentum as we continue to deliver quality innovative solutions for doctors and their patients.”

3M was recognized recently as the “Most Innovative Dental Company” for the 10th consecutive year, by The Anaheim Group (publisher of Dental Fax Weekly), for continuing to bring exciting new ideas to dentistry. 3M’s wide range of dental products and supplies includes restorative, crown and bridge, mini-dental implants, preventive, infection control and others. In addition, 3M helps integrate advanced digital technology and materials science through CAD/CAM dentistry and digital impressions. 3M has brought a number of amazing firsts to the dental industry, including the first ever tooth-colored restorative material, the first self-adhesive universal resin cement, the first nano ionomer, the first malleable, preformed temporary crown and the first automated mixing of impression materials.

3M also is known as a leader in orthodontic solutions. Recent innovations include: Clarity™ Advanced Ceramic Brackets which combine brilliant aesthetics with consistent strength and small bracket design for enhanced patient comfort; APC™ Flash-Free Adhesive which allow doctors to move directly from bracket placement to bracket cure without removing adhesive flash – no clean up; and Victory Series™ Superior Fit Buccal Tubes to hold arch wires to molars, designed with a large compound contour base for superior fit, exclusive “contoured funnel” for easy wire insertion and low profile and flash-mount hook for patient comfort; and “invisible” 3M™ Inognito™ hidden braces, which are placed on the lingual side of the teeth for highly aesthetic treatment.
Now, get them out of the chair faster!

Pediatric. Geriatric. And busy teens in between. Treating patients who can’t sit still long feels like a race against the clock—and every second counts. That’s why 3M ESPE Dental developed Ketac™ Universal Aplicap™ Glass Ionomer Restorative.

- **One-step placement**—no conditioning, coating or light-curing steps to slow the procedure down
- **Stress-bearing properties** enable extended indications
- **Continuous fluoride release** over 12 months

Ketac Universal restorative … because the most caries-prone patients are also the most restless.

For more information please visit:

www.3MGulf.com/espe
**Individual design for your treatment unit and your furniture**

By Ritter

The glass elements of the treatment unit ARIA SR and the furniture line Cameo can be designed according to your personal preference. Perfectly harmonized, the two elements fit perfectly in your clinic branding. Choose your own motives, personal images or your practice logo in order to create an amazing brand recognition!

The new treatment unit ARIA SR combines efficiency and user-friendly handling with pure aesthetics and individuality. It improves the productivity in the dental office with simple and practical solutions. The careful selection of high-quality materials, a very attractive design and outstanding functionality guarantee fantastic results. The surface parts of the ARIA SR are made of pure metal and polyes- ter with high-quality gel coating. No usual plastic parts are used. This guarantees an extraordinary stability and the long-term consistent appearance, free from yellowing. For the purpose of preventive care treatment and prophylaxis, the operating lamp of ARIA SR can be particularly equipped with a bleaching adapter and a cosmetic mirror.

ARIA SR is perfectly complemented by modern furniture line Cameo. With its modular components, best materials and an outstanding design this young furniture line meets all expectations in terms of hygiene, reliability, comfort and aesthetics. The matching wall cupboards for disposable materials complete the furniture line optional.

**Design prize for SIDEXIS 4 as “**

By Dental Tribune International

ENSHEIM, Germany/SALZBURG, Austria: Dental manufacturer Sirona has recently been awarded the Red Dot Award in Communication Design as “Best of the Best” for its new SIDEXIS 4 imaging software. Each year, the international design award gives recognition to products of the highest level of design quality. Overall, almost 7,500 projects from 53 countries were submitted. The award will be presented at the Red Dot Gala in Berlin on 6 November 2015 in the presence of approximately 1,000 guests.

Together with software specialist Heinrich & Reuter Solutions, Sirona has been recognised for its extensive efforts in designing the intuitive, user-friendly interface of SIDEXIS 4. Dentists can use the software to access all per-
Qualident Dental Laboratory Introduces JUVORA – The Next Generation Dental Material

By Qualident

JUVORA\textsuperscript{TM}, the first approved high performance polymer material that allows the CAD/CAM fabrication of a removable denture framework from a non-metal material – provides a more efficient process for dental professionals and an improved patient experience.

Intended for use in telescope attachments, precision attachments and implant supported superstructures, the JUVORA\textsuperscript{TM} Dental Material uses only the purest biomaterial sourced from the market leading provider of PEEK-OPTIMA\textsuperscript{TM} biomaterials, Invibio\textsuperscript{R} Biomaterial Solutions (that has more than a decade of experience and proven success in over 4 million implanted devices globally.)

Patient benefits

Prosthetic frameworks made from JUVORA\textsuperscript{TM} provide patients with premium solutions:

\begin{itemize}
  \item Strong and lightweight to improve patient comfort
  \item Digitally designed to match patient’s anatomy
  \item Elastic modulus similar to bone – allowing for increased flexibility in both denture design and patient use
  \item Shock absorbent during chewing
  \item High strength to weight ratio
  \item Resistance to wear, abrasion and corrosion – less damage to adjacent natural teeth
  \item Metal-free denture framework
  \item Taste neutral (no metal taste)
  \item Reduced thermal or electrical conductivity when compared to metal
\end{itemize}

Indications

1) Implant-supported superstructures

Our high-performance, biocompatible JUVORA allows a strong, yet lightweight, framework for cantilever designs (e.g. all-in-four) and is clinically proven for implant applications.

2) Telescope attachments: Telescope attachments manufactured from a JUVORA\textsuperscript{TM} provide improved friction, accuracy and better retention of zirconia primary crowns and offer less intrusive telescope transversal connectors. The CAD/CAM digital design process results in a precise denture framework that is more comfortable and better fitting than alternative materials.

3) Precision attachments

Denture attachments made from a JUVORA\textsuperscript{TM} are more comfortable and better fitting than those made from other materials. The JUVORA\textsuperscript{TM} is made from a revolutionary PEEK-OPTIMA\textsuperscript{TM} denture base material that is clinically proven for implant applications and noted to improve the retention of the dental structure.

4) Metal-free denture framework

The JUVORA\textsuperscript{TM} provides a more efficient process for simultaneous surgical and prosthetic planning of implants, and for orthodontic applications.

According to Sirona, SIDEXIS 4 has also been well received by the expert community. “We have received feedback from many users that the entire workflow in the practice has improved with the software upgrade and that diagnosis, planning and treatment are simpler, faster and safer,” remarked Dr Nadia Amor, Senior Product Manager of Imaging Solutions at Sirona.

Sirona has already won two Red Dot Awards this year for its innovative ORTHOPHOS SL, radiographic solution and InLab MC X5 dental device.