3M™ RelyX™ Ultimate Adhesive Resin Cement – Posterior Crown

A case study by Dr. Carlos Eduardo Sabrosa, DDS, MSD, DScD featuring 3M™ RelyX™ Ultimate Adhesive Resin Cement.

Fig. 1: Initial Situation with a molar tooth in need of endodontic treatment and subsequent crown placement.

Fig. 2: Tooth preparation after post placement and core build up with a low shrink composite. Retraction in place. Impression with polyether impression materials.

Fig. 3: Temporization with 3M™ Protemp™ 4 Temporization Material.

Fig. 4: Fabrication of Lithium disilicate crown (IPS e.max® CAD).

Fig. 5: Tooth preparation after removal of the temporary restoration and mechanical cleaning of the tooth (e.g. pumice paste). Note the healthy gingiva.

Fig. 6: Tooth preparation after rubber dam placement for isolation.

Fig. 7: Apply 3M™ Single Bond Universal Adhesive to the bonding surface rubbing it in for 20 seconds. Air thin with oil-free air for 5 seconds until the solvent is evaporated and no more ripples are observed. Avoid pooling.

Fig. 8: Gently air thin adhesive with oil-free air for five seconds until the solvent is evaporated and no more ripples are observed.

Fig. 9: Etch the crown with hydrofluoric acid after try in and rinse with water. Air dry with oil-free air.

Fig. 10: Apply 3M™ Single Bond Universal Adhesive to the bonding surface rubbing it in for 20 seconds. Air thin with oil-free air for 5 seconds until the solvent is evaporated and no more ripples are observed. Avoid pooling.

Fig. 11: Dispense 3M™ RelyX™ Ultimate Adhesive Resin Cement directly into the crown. Firmly seat the crown under finger pressure.

Fig. 12: Tack cure for 1-2 seconds.(!) Tip: Do not exceed recommended tack cure time, otherwise clean-up will be difficult. For a controlled time, use 3M™ Elipar™ S10 LED Curing Light or 3M™ Elipar™ DeepCure 5 LED Curing Light tack curing function.

Fig. 13: Remove excess cement with a scaler.(!) Tip: Hold the crown in place.

Fig. 14: Light cure for 20 seconds per surface. Finish and polish as needed.

Fig. 15: Immediate final clinical situation.

Fig. 16: Beautifully healed gingiva after three months.

3M Elipar, Protemp and RelyX are trademarks of 3M or 3M Deutschland GmbH. Used under license in Canada. All other trademarks are owned by other companies.

© 3M 2018. All rights reserved. Dr. Sabrosa has received an honorarium from 3M Oral Care.

3M Oral Care at AEEDC, Dubai, 2018

By 3M

On 6-8th of February 3M Oral Care took part in AEEDC 2018 and welcomed visitors from different countries at the booth to share the most up-to-date scientific information and 3M procedure solutions for dental and orthodontic professionals. Several Procedure Areas dedicated to Dental and Ortho products were designed to demonstrate the most unique features of 3M products to the visitors.

The Direct Procedure area was equipped with MARC™ patient simulator allowing to provide the real-time analytical feedback for 3M™ Elipar™ DeepCure S curing light performance with the combination of Filtek™ Z350XT Universal nanocomposite or Filtek™ Bulk Fill Posterior restorative.

The Indirect Procedure area was dedicated to 3M dental cements which dental professionals around the world have relied on for nearly 50 years. And as a visualization of the outstanding performance, 3M™ RelyX™ Universal Self-Adhesive Resin Cement, the world’s most clinically proven self-adhesive resin cement, was selected to demonstrate the bond strength to zirconia using special device with the weight exceeding 20 kg – with no failure in 3 consecutive days!

In the Orthodontic procedure area Clarity™ Advanced ceramic brackets, Victory™ series metal brackets complemented with APC™ Flash-Free adhesive coated appliance solutions, which altogether allow to grow orthodontic practice with esthetics and efficiency, were demonstrated. In the Educational Area doctors could test various dental and orthodontic products and during the live product demonstrations, which were carried by 3M Scientific Affairs and Educational Manager Dr. Rasha Ahmed, they had chance to learn more about the peculiarities of cementation, impressioning and direct procedures.

And at the Interactive photo shooting area visitors enjoyed taking live photos which were instantly shared via email with the participants.

For more details please contact 3M Gulf at www.3MGulf.com/espe
Simple.
Proven.
Rely-able.

Your practice depends on working smarter, not just harder. Smarter means increasing the efficiency of people, technology and supplies. That’s something 3M knows a lot about.

For 50 years, and around the world, customers have trusted 3M cements to deliver reliable, predictable results that become the cornerstone of successful practices.

3M™ Dental Cements
Trusted for Generations.
3M.com/dentalcements

3M, RelyX are trademarks of 3M or 3M Deutschland GmbH, Used under license in Canada. © 3M 2018. All rights reserved.
W&H supports everyday heroes

By W&H

W&H’s new image campaign ‘From a patient to a fan’ will be turning a spotlight on dentists and dental professionals. These everyday heroes ensure their patients are in safe and reliable hands, whatever the treatment situation. They show great dedication to their work and time and again manage to put a smile on their patients’ faces, simply because they care. Even the smallest of their patients’ difficulties is a major concern. That’s why they are always gaining new fans and succeed again in making their patients happy.

The new W&H image campaign gives these heroes the recognition they deserve. With a perfect balance of know-how, empathy and technology, they can achieve optimal results. W&H supports the practice team in its daily tasks and, with its innovative product portfolio, is a cornerstone of its success. “The daily challenges faced by the practice team are our motivation. As a solutions provider, our products help ensure that the workflow in the dental practice is as smooth as possible”, states W&H Managing Director Peter Malata.

Single visit dentistry: Solving dentists’ needs

By Dentply Sirona

Successful dentists are business thinkers and doers. They invest to achieve their treatment goal in the best way possible, thereby also increasing the cost effectiveness of their practice. They also meet patients’ needs under optimal treatment conditions. W&H increases your profits as you manufacture in-house!

Modern dentistry requires a practice with modern equipment – but it has to make sense financially. For all our passion for the job and the desire to continue improving the treatments we give our patients, purchasing modern equipment for the practice and the associated practice laboratory is an investment that has to pay for itself and yield a profit. CEREC Solving The Need

CEREC Solving The Need

- Single-visit dentistry is valuable to patients. 90% of patients are pre-paid to pay more; two-thirds would consider traveling further, and another two-thirds of patients would even change their dentist. 85% of patients want single-visit dentistry. With CEREC you meet this need.

- You have full quality control of the whole process, from scanning to completed restoration leading to clinically reliable results and no expensive surprises.

“With innovative dental technology that is ideally suited to the users’ needs, the team can give their full and undivided attention to what really matters: the patient. We play an important role in our customers’ success and assist them in turning patients into fans.”

The new campaign aims to portray W&H in an eye-catching manner and to differentiate it from the competition, all with the customary sparkle in the eye. In the eyes of their patients, dentists become Dr Phil Good, Dr X. Pert or Dr Sue Pentar, and thus become the living embodiment of well-being, expertise, innovative spirit and trust. The result is a modern, internationally adaptable campaign format with emotive images from dental practice. A striking nautical theme has been developed as an overarching key visual, clearly communicating the respective names such as Dr Phil Good or Dr X. Pert.

Fig. 1: Dr. X. Pert
Because you always know what to do!
From a patient to a fan. With first-class dental solutions from W&H.

Fig. 2: Dr Sue Pentar
Because your career is your calling!
From a patient to a fan. With first-class dental solutions from W&H.

Fig. 3: W&H Managing Director Peter Malata

By W&H

Fig. 4: W&H Managing Director Peter Malata

References

MIND BLOWING

MyCrown

- Fully Integrated System
- Fast and Easy to Use
- Grow Your Clinic

Find out more on www.fonadental.com
GLUMA® Desensitizer

The success story continues.

By Kulzer

More gain, less pain
One of the most impairing effects on your patients’ daily well-being is hypersensitivity. Sweet or sour dishes, hot or cold morsels – the acute pain is unpleasant and rather blocked out.

For more than 20 years, one drop of GLUMA has been all you need to stop and prevent hypersensitivity. The result is fast and effective, without mixing, curing or repetitive steps. And your patients feel a prompt relief.

Now, based on the well-known GLUMA Desensitizer, we have invented GLUMA Desensitizer PowerGel for you. It allows greater control and accuracy during application. Its unique green colour makes it easy to apply, easy to detect and easy to rinse clean.

GLUMA Desensitizer – Two styles, one solution against hypersensitivity.

By Shofu

Beautifil II LS breaks new ground in direct resin technology with its extremely low polymerization shrinkage and related stress while exhibiting superior aesthetics, optimal mechanical properties, ease of handling and polish, lasting natural lustre and remarkable abrasion resistance for universal application.

A novel low shrinkage “SRS” monomer formulation and unique filler technology significantly minimizes polymerization shrinkage stress while resulting in a more durable, robust and stable polymer complex that offers greater predictability to your restorations. Tooth-like optical characteristics enable an easy shade match for a wide spectrum of simple to complex, challenging cases.

Beautifil II LS exhibits additional anti-plaque benefits and sustained fluoride protection to all your restorations.

GLUMA® Desensitizer / GLUMA® Desensitizer PowerGel

Shriju Joshi, B.D.S.
Shofu Dental Asia-Pacific Pte. Ltd.
10 Science Park Road
#03-12 The Alpha, Science Park II
Singapore 117684
T: (65) 63772722
F: (65) 63771121
W: www.shofu.com.sg

Aboulala Elshara
Area Manager Middle East
T: +97 (2) 294 35 62 (Office)
F: +97 (2) 294 35 63
M: +97 (2) 56506 89 76
E: aboulala.elshara@kulzer-dental.com
W: www.kulzer.com

Aboubakr Eliwa
Area Manager Middle East
T: +97 (1) 4 294 35 62 (Office)
F: +97 (1) 4 294 35 63
M: +97 (1) 56506 89 76
E: aboubakr.eliwa@kulzer-dental.com
W: www.kulzer.com

PROMEDICA
Highest quality made in Germany

Light-curing micro-hybrid composite
- Applicable for various indications and all cavity classes
- High translucency and a perfect colour adaption
- Polishable to a high gloss
- Excellent physical properties for durable fillings
- High filler content
- Packable consistency (also available as Composan LCM Flow)

Glass ionomer luting cement
- High level of adhesion
- Highly biocompatible, low acidity
- Continuous fluoride release
- Precision due to micro-fine film thickness
- Translucency for an aesthetic result

Visit www.promedica.de to see all our products

Dental Material GmbH
24337 Neumünster / Germany
Tel.: +49 43 21 / 5 41 73
Fax: +49 43 21 / 5 29 08
eMail: info@promedica.de
www.promedica.de
ACCEPTING APPLICATIONS NOW
HAMDAN BIN MOHAMMED COLLEGE OF DENTAL MEDICINE

MASTER OF SCIENCE in:
ORTHODONTICS
PEDIATRIC DENTISTRY
PROSTHODONTICS
ENDODONTICS

CURRICULUM

- Didactic: 25%
- Clinical: 60%
- Research: 15%

- Graduates recognized as specialists in the UAE
- Digital learning lab
- International academic faculty
- Dedicated medical library
- Fully equipped research labs
- Residents eligible to take the membership exam of Royal College of Surgeons of Edinburgh and Royal College of Surgeons in Ireland
- Accredited by the Ministry of Education

For more details, visit www.mbruniversity.ac.ae or email us at: admissions@mbru.ac.ae

Located in Dubai Healthcare City – the largest healthcare freezone in the world