

# DENTAL TRIBUNE

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Reducing microleakage with Er,Cr:YSGG and/or Nd:YAG lasers

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## SEHA in cooperation with CAPP & BARD conducted GP Dentists upskilling programme in endodontics

By Dental Tribune MEA

The programme took place in Sheikh Shakhboub Medical City which is a new hub for innovation and artificial intelligence on 08-10 March 2021 and welcomed over 25 dental professionals.

The main faculty lead of the programme was Prof. James Prichard (BDS(ULond), MSc(ULond), LDSRCS (Eng), MFGDP(UK), FIADFE(USA), AFHEA(UK) F BARD (UK), MFDTEd) and also Assistant Professor Rashid El Abed and Dr Shaista Siddiqui. The

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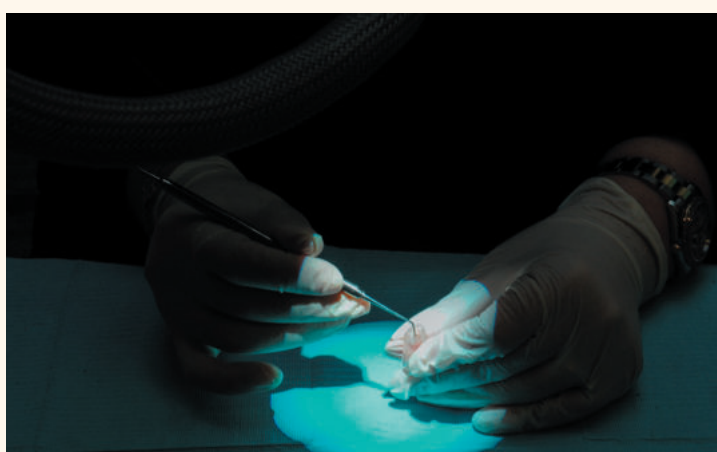
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three-day workshop covered the latest in Diagnosis, Access and Prep, Endo Obturation and Direct Composites all of which are the best practices in modern advanced dentistry. The workshop was in alignment with the upskilling program by SEHA which aims at enhancing the GP dentists' clinical skills which will immediately result in improving patient care, experience, and satisfaction

"In dental practices, we have to take proactive steps in training and educating our teams so that we all grow along with the evolving dental industry and pick up on technology trends" said Ms Mariam Al Zaabi, the Group Education and Mobility Director. The workshop, which was led by SEHA's HR Education Department, covered the best dental practices and latest techniques in modern advanced dentistry.

**IMPRINT**

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# Full mouth periodontal treatment using the new perio anatomic inserts P15, P16R, P16L



## By Mectron spa

Mectron has recently launched on the market 3 new ultrasound inserts specially designed to perform gentle and safe periodontal debridement.

The inserts guarantee maximum efficacy without risk of injury to the soft tissues and the periodontal ligament.

The inserts' shape allows optimal access to the areas difficult to reach and characterized by deep periodontal pockets (furcations, root surfaces, concavities).

The preserved tissues allow a new attachment formation.

The cavitation effect allows mechanical biofilm disruption, bacteria dispersion and periodontal pockets detoxification, thanks to the oxygen delivery.

The inserts in detail:

**P15:** universal curette for supra and subgingival treatment. Recommended for the debridement of deep periodontal pockets. Easy ac-

cess to canine and anterior teeth. Replaces manual curettes n° 1-2, 3-4, 5-6, 7-8.

**P16R – P16L:** right (P16R) and left (P16L) angled periodontal curettes for subgingival concretions and biofilm removal from furcations and deep pockets. Recommended for supra and subgingival interproximal spaces and for an efficient root planing on molars and premolars. Replace manual curettes n° 11-12, 13-14, 15-16, 17-18. [DT](#)

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P15



P16L



P16R

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# EyeSpecial C-IV Smart Digital Dental Camera

## By Shofu

Shofu's Gen 4 smart digital dental camera is developed to shoot fast, predictable and consistent clinical photographs for everyday dentistry.

Equipped with state-of-the-art digital technology, this foolproof, ultra-light and the compact dental camera is designed exclusively for your dental team to shoot clear, consistent clinical photos in true-colour each time.

No prior photography knowledge required, as it comes with a one-touch operation and an intuitive menu to guide the user to select from any of the 9 pre-set dental shooting modes. Easy to wipe clean and disinfect in between patients, it complies with stringent infection control protocols at the dental operator.

This user-friendly camera is the ideal choice for your practice as it meets user-specific needs ranging from routine intra-oral photography, diagnosis and treatment planning, orthodontic evaluation, dental lab and specialist collaboration, patient communication and education to legal documentation and insurance verification.

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# Cleaning, disinfection and sterilisation to protect dentists clinics and technicians laboratories against infection

## By Zhermack

Just following the right procedure is not enough to ensure adequate protection against cross-infection between patients and personnel. Dental professionals also need safe, effective and broad-spectrum products.

Rapid action, practicality and high compatibility with dental clinic materials make Zeta Hygiene products ideal for demanding dental professionals and guarantee a high level of safety and protection for users and patients alike.

Zeta Hygiene is a complete range of cleaning, disinfecting and sterilising products, free from toxic substances like phenols and aldehydes and formulated for high compatibility with clinic and laboratory surfaces. These innovative products are manufactured to the strictest quality standards and tested to ensure conformity to the latest European regulations.



Zeta Hygiene products deliver effective solutions for maintaining a high level of protection. [DT](#)

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# This is how laboratories can benefit from digitisation

Amann Girrbach presents attractive gateways to the future at a virtual congress

By Amann Girrbach

Digitisation is the key topic of the future for the dental industry. No doubt this necessitates change, but it also offers lucrative opportunities. Amann Girrbach will be showcasing how these opportunities can be easily exploited from April 20 to 24 in the innovative AG.Live CON virtual congress. Renowned dental technicians and clinicians will meet with leading minds in research to explore the attractive avenues into advanced digitization. Amann Girrbach will not be participating to the usual extent at the International Dental Show IDS in Cologne in 2021, which has been postponed to September.

For many years now, Amann Girrbach has been supporting dental technicians in the digitisation of



their workflows with its innovative power. Stemming from its pioneering role, the Austrian company also

supports laboratories and clinicians in taking the next step towards digital transformation. The trend is

evidently clear: the demand for direct straightforward restorations is becoming increasingly greater. This threatens to break down established structures and traditional boundaries between the laboratory and the clinician. However, digitisation is ideally suited to expand the win-win situation of dental technicians and clinicians through new forms of collaboration. And the well-being of the patient always remains the focus.

To provide optimal networking for both sides, Amann Girrbach has developed the AG.Live platform, which is now being presented as part of the virtual congress and expo. AG.Live provides infrastructure and patient case management with a level of consistency and efficiency which has never been achieved before. For example, this will make it possible to

offer laboratory-quality direct restorations. And the expertise of the dental technician is permanently available to the dentist. Even in the case of simple restorations, a joint decision can be made quickly as to whether direct implementation is possible or whether the specialist in the laboratory is required. **DT**

For further information and registration for the virtual congress with expo go to: [show.aglivecon.digital](https://show.aglivecon.digital)

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## Dentsply Sirona's new Surefil one: An innovation in restorative filling materials

By Dentsply Sirona

Direct posterior restorations make up two thirds of all direct restorations in a dental practice<sup>1</sup> and composite resin is the preferred material of choice for these restorations.<sup>2</sup> Yet, one out of four cases can be defined as challenging due to isolation control, patient compliance or the margin being sub-gingival.<sup>3</sup> Due to the technique sensitivity of resin-based materials, composites are not the material of choice for these situations. Surefil one from Dentsply Sirona now offers an ideal alternative for these situations by providing the convenience of a glass ionomer with the durability of a composite.

A growing number of patients today are requesting amalgam free restorations for aesthetic and environmental reasons. The alternatives to amalgam are resin-based composites or glass ionomers. Composites require complete isolation throughout the



A real alternative for treating patients with a tooth-colored restoration quickly, safely, and permanently: posterior restorations with the new Surefil one.

entire procedure and have a sensitive adhesive technique to ensure maximum adhesion is obtained between the composite and tooth structure. Because the composite procedure can be time consuming and isolation is critical, it is not the preferred material for certain clinical situations. Alternatively, many glass ionomers available today are not indicated for use as a permanent restorative material due to their inferior mechanical properties. This

can lead to premature failure and required re-treatment at the expense of the clinician resulting in patient dissatisfaction and practice inefficiencies. Surefil one, an innovative filling material, now offers an ideal alternative. Procedures can be performed quicker than using composites with a more durable outcome than glass ionomers.<sup>4</sup> Surefil one is available in five shades: Bleach White, A1, A2, A3, and A3.5.

### Convenience and Durability

For the first time ever, the simplicity of a glass ionomer and the durability of a resin-based composite have been combined to create an entirely new material class, the first ever self-adhesive composite hybrid.

Surefil one has an unlimited depth of cure - providing assurance in very deep cavities that a complete cure will be obtained without layering. It can also be light cured, so the restoration can be finished and polished immediately after surface light curing. Studies have demonstrated that Surefil one restorations are as durable as a composite: in chewing simulations, it was shown that after 500,000 cycles, no evidence of fractures or damage was present

while the glass ionomers tested in this chewing simulation partially showed fractures after fewer than 100,000 chewing cycles.<sup>5</sup>

### Shorter treatment time due to faster, more efficient handling

Fewer steps in the procedure make the restorative treatment even more efficient and faster. With Surefil one, dentists can fill a cavity in just one layer, without etching or bonding, minimizing the window of risk for when contamination can occur during the procedure.

The reduced procedure time is a clinical advantage especially in cases where isolation is a challenge or patient compliance is not ideal.

### Surefil one joins the trusted Class II Solution family

Surefil one now joins the Class II Total Practice Solution from Dentsply Sirona as the solution for challenging Class II situations. Acknowledging that the clinical requirements for a successful Class II restoration change based on the situation, the treatment recommendations differ. In challenging situations when isolation becomes the critical factor in determining success of the restoration, the Class II Total Practice Solution with Surefil one from Dentsply Sirona is an excellent solution.

"Surefil one is a great innovation for the dental practice" said Dr. Chris Campbell of Columbia, SC. "One of the things we look for as dentists are products that solve real-world issues that we encounter each and every day. Surefil one allows us to predictably restore teeth in compromised clinical situations. Whether it's difficult isolation, a challenging patient, or any other situation that is inher-

ently unpredictable, Surefil one rises to the task unlike any restorative material we've had up to this point in our profession".

Conversely, when the situation is ideal, in approximately 3 out of 4 cases<sup>6</sup>, adaptation at the floor of the proximal box becomes the critical factor in determining success of the restoration. In those scenarios, the Dentsply Sirona Class II Total Practice solution with market leading SDR flow+ material is recommended. **DT**

### References

1. American Dental Association Procedure Recap Report, 2006.
2. The Key Group Omnibus survey, 2018, USA.
3. Data on file.
4. Prof. Frankenberger. Amalgam Alternatives Critically Evaluated: Effect of Long-term Thermomechanical Loading on Marginal Quality, Wear, and Fracture Behavior. Journal of Adhesive Dentistry 2018; Vol. 22(1): p.107-116

Further information on Surefil one can be found at [www.dentsplysirona.com/surefilone](http://www.dentsplysirona.com/surefilone)

For more information about the full Dentsply Sirona portfolio, please contact your local representative.

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Surefil one offers a real alternative for these situations by providing the convenience of a glass ionomer with the durability of a composite.





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