Core Build-Up using Dentsply Sirona’s SDR® Plus

By Dentsply Sirona

The SDR® technology from Dentsply Sirona provides an unmatched combination of flowable consistency, excellent cavity adaptation, unique self-leveling and minimal shrinkage stress. With more than 50 million applications and superior performance in 5 and 6-year clinical studies, the SDR® Plus flowable material is the world’s most researched and clinically proven bulk-fill flowable technology.

Dentists can bulk-fill up to 4mm deep to perform faster, easier Class I and II procedures without affecting the durability and longevity of the restoration. The handling properties of SDR® technology in SDR® Plus also make it ideal for several indications including core build-up. With three additional shades (A1, A2, and A3) simplifying aesthetic matching and enhanced wear resistance with a modified glass filler package that significantly increases durability, it is no surprise that SDR® Plus is clinically proven for indirect crown restorations.

Case Study

This case below shows a posterior tooth with an endodontic treatment followed by an indirect crown restoration. SDR® Plus is used as a core build-up material before the crown was seated.

Conclusion

This case involves the use of SDR® Plus composite as a core build-up material. The outstanding flowability of SDR® Plus composite allows complete filling of the pulp cavity, even in the smallest recesses, the composite was placed in two stages to ensure thorough polymerisation. The periphery of the tooth was then prepared, preserving a layer of enamel at the preparation margin to ensure effective bonding of an all-ceramic crown. This was bonded with the Calibra® system. This protocol thus avoids iatrogenic mechanical strains on the tooth roots during core build-up. This treatment, involving a tooth/restoration monoblock with SDR® Plus composite and crown using only adhesive techniques, provides for outstanding biomechanical and aesthetic results.

For more information or to request a demo, please contact your local Dentsply Sirona representative.
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**Target Group:** Dentists, Dental Team, Dental Students, Dental Industry

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Investing in better dentistry

Tony Beale of Optident advises young dentists to use their limited equipment budgets wisely, suggesting to put personalised loupes at the top of any wish list.

Fig 2: The Univet range of loupes offers the best choice for young dentists made from lightweight, but tough, carbon fibre materials at affordable prices.

Essential kit
Loupes can now be regarded as an essential piece of kit. They are invaluable in many ways, not only as an aid to enhance the user’s visionary requirements, but to combat poor or incorrect working posture, thus reducing the chances of inducing acute back, neck and shoulder pain, and ensuing a more comfortable and efficient way of working.

However, loupes have never been regarded as cheap! But having said this, ‘cheap’ can often turn out to be costly! Although low-cost loupes can be purchased off-the-shelf, there really is no substitute for loupes that are custom made to suit the user’s exact requirements. After all, why would you buy a pair of ready-made spectacles in the hope that your eyegight will adjust to them when you can have a detailed and concise optical prescription for loupes to suit you? Personalised loupes will take into account and accommodate the correct magnification, lens, angle of working, interpupillary distance fit, style of frame and colour, together with the option of upgrading at a later date.

The Optident Vision Boutique offers all young dentists the opportunity to invest in loupes that will be tailored to suit the individual’s prescription, but at reasonable cost. The Univet range of loupes offers the best choice for young dentists with ‘cool’ Italian designer frames made from lightweight, but tough, carbon fibre materials, through-the-lens (TTI), Galilean and prismatic lenses, together with a personalised prescription service to match all the users requirements, all at an affordable price.

Let there be light
Having made the decision to purchase the right loupes, newly-qualified dental practitioners should also then consider illumination as an optional accessory that will significantly enhance the use of their custom-made loupes. Lightweight, battery powered LED lighting, such as the Optilume POV light, can easily be attached to virtually all loupes types. LEDs permit a clear view of difficult-to-access intraoral areas, enabling accurate colour determination and effective shade taking, which is so important in all restorative and cosmetic procedures. Their use in the correct determination of gingival margins in both restorative and periodontal work is also essential.

Those operators who undertake endodontic work will appreciate the advantages that loupes, together with effective lighting can provide. They are an absolute must if optimum operatory results in root canal work is to be achieved without stress or straining.

Dentistry, together with the introduction of continually improved materials and techniques, now enables dental practitioners to offer a wide range of treatment options to their patients. It is therefore of paramount importance that students and newly-qualified practitioners are able to undertake successful treatment programmes, knowing that their skills will be fully utilised.

For further information or to purchase loupes, please contact SWAN info@swanmedsupply.com or visit www.swanmedsupply.com.

Ivoclar Vivadent launches new product portal to round off its online services

Ivoclar Vivadent AG

Ivoclar Vivadent has announced the go-live of a new portal. Under the heading of ‘Highlights’, the portal offers dental professionals and laboratory professionals the latest news about the company’s products.

The new online portal is now operational. It complements the well-established and successful Dentist and Dental Technician blogs, which focus on topics and issues concerning everyday work in the dental practice and the dental lab.

Update on new developments
In the new Highlights portal, not only new product innovations will be presented, but maders will also be provided with the most recent findings from Research & Development to keep them up to date. Dentists and laboratory technicians who subscribe to the newsletter of this gateway will automatically be informed about new publications once per month.

Available in five languages
Similarly to the existing blogs, the new product portal will be available in the following five languages: English, German, Italian, French and Spanish. The portal features two sections, which are in line with the company’s relevant target groups. One section is dedicated to dentists, the other one to laboratory technicians. Both target groups will thus be supplied with relevant information to their profession.