

SDS Swiss Dental Solutions

Ceramic implant forms with osteogenic functionality

While SDS ceramic implants were being applied routinely at the Swiss Biohealth Clinic of Dr Volz, the experience and knowledge that were gained there led to the development of a new kind of implant. The improved biocompatibility of zirconium dioxide implants, together with the bone- and soft-tissue growth associated with it have provided new options for implantation wherever pronounced oval alveoli need to be treated, or multiple rooted teeth must be replaced. To this end, the implant ranges “oval” and “balcony” were developed, available in different diameters and lengths, both as single pieces and in two parts, and which were able to optimally close the alveoli, especially with emergency implantations.

The new SDS “sinus implants” (Fig.) were developed specifically for sinus lifting. Due to the increased biocompatibility of ZrO₂, bone growth is



also optimally exploited for this indication. In the apical area of the sinus implants, a plate is introduced, which on the one hand spares damage to the Schneiderian membrane upon sinus lifting, and on the other forms a large cavity under the plate due to an umbrella effect. The actual implant serves as a tent pole in this cavity, which creates optimal conditions for inward bleeding and the bone regeneration which results from this. Bone graft material is not necessary in almost all cases. The sinus implants are also available in various diameters and lengths.

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www.swissdentalsolutions.com

Straumann

PURE Ceramic Implant System

Nothing is more winning than a light-hearted and happy smile. With the PURE Ceramic Implant System even very demanding patients can smile with confidence according to the principle “Discover natural PURE white. Love your smile.”

With this implant system, dentists can grant their patients the best aesthetic, natural and solid treatment. Patients will benefit from all the highly aesthetic advantages of a natural ceramic implant—ivory-coloured like a natural tooth root and even in cases of thin gingiva biotypes not shining through. No compromises on aesthetics, reliability or the most natural choice of material are necessary. Further they can rely on high-performance zirconia ceramic material being even stronger than the gold standard, grade 4 titanium implants.

The Straumann® PURE Ceramic Implant System is the result of more than 12 years of relentless research and development until the ceramic implants complied with the company’s premium quality standards. Swiss quality and precision, strength, clinical success and flexible treatment protocols are combined in an innovative solution that helps dentists meet the needs of their patients.

Institut Straumann AG
Peter Merian-Weg 12
4052 Basel
Switzerland
www.straumann.com



CAMLOG

Metal-free aesthetic restorations from implant to crown

CAMLOG's full range of ceramic implants and prosthetic components supports metal-free aesthetic restorations from the implant to the crown. CERALOG implants offer high predictability and exceptional aesthetic properties. The range includes ivory-coloured one- and two-piece zirconia implants and reversible screw-retained abutments. In the application they are close to the common standard of titanium implants. Outstanding features of the system are the biocompatibility of the high-performance material, the reversibility of the screw-retained prosthetic components and the achievement of highly aesthetic restorations. CAMLOG has established a close interface to DEDICAM and thus to individual CAD/CAM prosthetic solutions. The expansion of the

product range opens new patient-oriented treatment options for clinicians. Once again emphasizing the company's innovative strength.



CAMLOG Biotechnologies AG
Margarethenstr. 38
4053 Basel
Switzerland
www.camlog.com

COHO Biomedical Technology

The next generation of implants



COHO recognizes that nowadays patients are not satisfied merely with the function of restorations but also demand aesthetics. With this in mind, a completely aesthetic solution for implant treatments was developed: ZiBone ceramic implants for both function and aesthetics, ceramic drills for cutting efficiency and reducing heat generation and our milling centre for producing fixed temporary and Zirconia ceramic prostheses ensuring accurate fit. Zirconia is a material of choice in terms of aesthetics, biocompatibility and mechanical properties.

All of our products must go through stringent quality control to make sure that they perform according to specification and patient safety requirements. ZiBone ceramic dental implants were approved by U.S. FDA, CE and TFDA. Their cylindrical body and conical tip design enables them to achieve the highest possible primary stability. The fine neck thread increases the bone contact area and initial stability. Threads in the implant body and wide pitch design provide stability and promote osseointegration.

COHO Biomedical Technology Co., Ltd.
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www.zibone.com

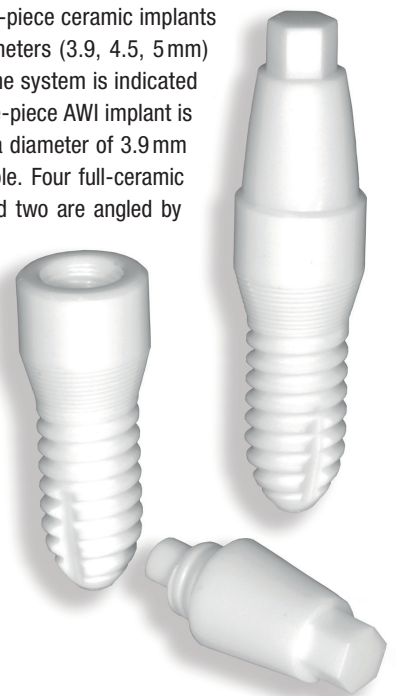
WITAR

Biocompatible ceramic implant

Metal-free, biocompatible and aesthetic: Ceramic implants have gained popularity among dentists and patients. Building upon this trend, WITAR offers a new AWI implant system for transgingival healing. With this, the company promises an implant treatment that is safe, cost-efficient and simple. The two-piece system that has been developed and patented recently is made from Y-TZP ceramic and offers a reliable and easy handling. Treatment steps had been optimised for an increased safety and biocompatibility. At the same time, treatment costs and time could be reduced.

The implant system consists of nine two-piece ceramic implants that are available in three different diameters (3.9, 4.5, 5 mm) and lengths (8, 10, 12 mm). With this, the system is indicated for all bone classes. Additionally, the one-piece AWI implant is available in two sizes (10, 12 mm) with a diameter of 3.9 mm and can be used in the anterior mandible. Four full-ceramic abutments of which two are straight and two are angled by 15 degrees, belong to the system as well. Furthermore, the system includes a sterilisation box, surgical tray with milling machines made from ATZ high-performance ceramics, and turning tools.

WITAR Consulting GmbH
Rodenkirchener Straße 148
50997 Cologne, Germany
www.witar.de





TAV Dental

State-of-the-art zirconia dental products

TAV Dental offers both one-piece and two-piece screw-retained zirconia implants. The passion behind developing zirconia implants is to meet nowadays patient's needs, which are more health conscious and have higher aesthetic demands than ever before. As Oded Ben Shabat, TAV Dental CEO, stated: "If today you can have zirconia implants at a competitive price with the same osseointegration, the same stability together with all clear clinical advantages such as soft tissue integration and low plaque adhesion, why should a doctor still buy titanium implants." TAV Dental will soon launch a new generation of zirconia implants

designed by a highly professional team, manufactured by high-end CIM technology and thus resulting in state-of-the-art products, that will be supported by CAD/CAM restoration. "We are very excited about the release of this new generation of implants and we are expecting to receive the regulatory approvals soon," stated Oded Ben Shabat.

TAV Dental
Shlomi, Israel
www.tavdental.com

Dentalpoint

Bolt-in-tube—the simple and strong ceramic connection

ZERAMEX® XT abutments are screw retained. The key component of the connection is the VICARBO® screw which acts as a bolt by firmly fixing the abutment to the implant. It is a fitting screw and safely absorbs occlusal forces. Thanks to its soft surface, the screw precisely conforms to the thread profile of the ceramic implant upon tightening.

The abutments are available in straight and angular versions. All abutments are fitted with a "four merlon"-platform which offers four positioning options. The VICARBCO® screw seals the implant hole, and thus prevents the exchange of potentially bacteriologically contaminated liquids between implant and oral cavity caused by micromovement. The ZERAMEX® XT implant offers high prosthetic flexibility as it is placed supracrestally with a variable placement depth ranging from 0.6 to 1.6 mm.

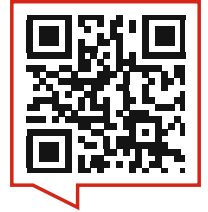
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