At the Nobel Biocare booth, attend-ees of the annual scientific con-gress of the European Association for Osseointegration will find the lat-est in the company’s product range. An important new addition to its as-sortment of components is the On1 concept. This innovative modular solution bridges the gap between the surgical and prosthetic workflows. The On1 Base connects to the im-plant at the time of surgery and re-mains in place throughout the heal-ing process, the prosthetic work and the lifetime of the restoration.

The base brings the connection for restorative components to tissue level so that, unlike with traditional two-stage healing and temporary abutments for bone-level implants, the biological seal created by the soft tissue remains undisturbed for opti-mized healing.

The restorative components based on the On1 concept have been designed with ease of use in mind. For example, the On1 IOS Healing Cap supports an intra-oral scanning approach, which can speed up the impression-taking process. In addi-tion, the On1 IOS Healing Cap, the On1 Base and the On1 Temporary Abutment all come with a pre-mounted handle for easier place-ment.

For the surgeon, the On1 concept provides the flexibility to use any of three different implant systems with internal conical connection—NobelActive, NobelParallel and NobelReplace. Fur-thermore, it offers peace of mind that only precision-engi-neered Nobel Bio-care components can be used for the restoration, removing the risks associ-ated with an ill-fitting or non-bio-compatible third-party abutment.

For a restorative clinician, the rais-ing of the connection to tissue level not only ensures no interference with the soft tissue during healing, but also simplifies the placement of the restorative components.

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Soft Tissue Management for Bone Augmentation

Dubai: 19 - 20 October, a total of 2 days on location

This course consists of 2 intensive days in Dubai with lectures, hands on practice, and mentoring.

Dr. Marius Steigmann

Registration information:

www.TribuneCME.com

Curriculum fee: €2,500
tel.: +49-341-484-74134 | email: request@tribunecme.com

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Provider ID# 355651.
IMPLANT CENTER 2 FOR FAST AND SECURE BONE SURGERIES

Owing to its minimally invasive approach, piezoelectric surgery has gained increasing acceptance in various pre-implant surgical procedures. The benefits of ultrasonic power have been widely proven and demonstrated. It's use is highly precise and safe selective, offers minimal bone loss, optimal visibility as well as superior healing with reduced post operative pain for better comfort for both patient and practitioner.

Specially designed to meet everyone’s goal of improving patient care, the ACTEON ImplantCenter 2 surgical unit was developed as a highly reliable tool whose unmatched performance combined with clinical expertise paves the way for faster, more precise, and painless pre-implant surgeries. The combination of the most advanced ultrasonic and rotating technologies provides total independence in increasingly diverse clinical areas.

According to the manufacturer Acteon, the ImplantCenter 2 represents the perfect combination of safety and speed. All surgical applications, ranging from implantology to periodontal treatment, can be covered with this single unit. Its elegant design, LED handpieces and large user-friendly touch-sensitive screen make it the ideal device dedicated to bone surgery, the company said.

The exclusive and patented NEWTRON technology allows more preservation of tissue with minimal bone loss. It is non-active on soft tissue, limiting the risk of tissue lesions. Frequency adjustment and power regulation offer maximal performances and effortless cut adjusted to the resistance met by the tip. The irrigation flow rate manages by the peristaltic water pump can be precisely controlled to cool down the site to prevent intraosseous temperature rise and bone necrosis.

The ImplantCenter 2 also optimizes the visibility on the surgical field thanks to the ultra-powerful white light for better distinction of the tissues. Clinicians can choose between three modes (Piezotome for pre-implant surgery, I-SURGE implantology motor and NEWTRON for all conventional treatments) depending on the treatment. Each mode can be customized in terms of ultrasonic power, speed rotation, contra-angle, irrigation, torque and speed.

The Piezotome mode facilitates and improves the safety of delicate pre-implant surgical procedures. Thanks to the ultrasonic frequencies (28-36 kHz), ImplantCenter 2 works selectively on hard tissue without adversely affecting soft tissue and surrounding anatomical areas such as blood vessels and nerves. The modulated piezo signal (alternation between high and low amplitudes of signal) allows tissue relaxation and excellent cell repair for a clean cut and better healing. The six ceramic rings of the Piezotome LED handpiece significantly boost the power of the generator for fast interventions but at the same time limit the risk of soft tissue lesion.

The innovative I-SURGE tips are specifically designed to suit the different clinical procedures and anaatomical situations encountered in pre-implant practice. This wide range is supposed to help the practitioner to perform fine osteotomy, osteoplasty, sinus elevation (lateral and crestal), ridge expansion, extraction, Piezocision (surgical orthodontic treatment).

The NEWTRON mode, intended for conventional treatment, allows the use of the widest range of tips on the market, suitable for periodontal treatment, periodontal surgery, prophylaxis, endodontics and surgical endodontics, as well as conservative and restorative dentistry.

The I-SURGE rotating mode convinces with its unsurpassed constant torque and steady high performances even in lower leverage ranges. This motor provides a wide range from 100 to 40,000 rpm, which is the widest revolution range in its class. And with 6 Ncm, it provides unrivaled torque in micro-motors, which allows smooth function of the drill.

The progressive footswitch allows to adjust the required power according to the anatomical constraints encountered in Piezotome, NEWTRON® and I-SURGE modes. There is also a traditional ON/OFF function. To limit cross contamination, special attention was given to the footswitch design to facilitate asepsis to the various parameters such as modes, irrigation, purge, choice of the active instrument (handpiece/motor) and speed regulation, without having to touch the device screen. Furthermore, the metal arch allows clinicians to move it at their convenience.

Since dental implants have become a mainstream treatment option, clinicians face ever increasing patient expectations. Nowadays, patients expect successful treatment results irrespective of their bone quality, age, lifestyle, or medical history.

For over six decades, Straumann has made significant contributions to the progressing field of dental implants. Through pioneering innovation, the company has redefined the boundaries of clinical possibilities for both dental professionals and patients. Ten years ago, Straumann pioneered accelerated osseointegration with Straumann SLActive, reducing the healing period down to 3–4 weeks in all indications. This innovation made faster treatment, shorter healing time, and better outcomes a reality.

Achieving predictable treatment outcomes has been the main focus of the SLActive clinical development strategy ever since. Together with leading clinicians worldwide, Straumann has studied the clinical performance of SLActive implants under the most challenging medical conditions and treatment protocols to demonstrate its outstanding healing capacity of the SLActive surface. As new insights emerge and new data become available, clinicians can discover how they can benefit from the truly phenomenal performance of SLActive to maximize their patients’ healing capabilities. Attendees of this year’s annual scientific congress of The EAO are invited to discover the brand NEW SLActive data that shows incredible performance in the most challenging conditions.

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booth talks by experienced CAMLOG experts

The best ideas come from experienced practitioners. Since its inception in 1999, this has been the guiding principle and reason for the success of the CAMLOG implant system. Today, CAMLOG offers a comprehensive portfolio of leading-edge products for implant and restorative dentistry. During both presentations held over the course of two educational sessions, prominent speakers are going to share their knowledge with visitors and present their expertise on digital dentistry, guided surgery and the COMFOUR abutment system. CAMLOG’s implant systems feature an ideal number of system components and offer easy and efficient handiwork properties. The Tube-in-Tube implant-abutment connection with its unmistakable three cammechanism, a pre-mounted flexible handle and an alignment tool compatible with the CAMLOG Guide System in 30° and 20° angles, all in a low and slim design. Perfect positioning of the implants is critical to the long-term stability and success of reconstruction. As an option in conventional planning procedures, the Guide System provides a template-guided alternative for implant placement based on numerous digital 3D planning systems. All physiological structures can be considered when planning the exact implant position. The high degree of accuracy of CAMLOG products and their ease of use allow users to take advantage of all the benefits of software-based 3D implant planning and to implement them independent of a system. Furthermore, users are given the option to use them through a unique workflow. The iSy Implant System has gained numerous supporters owing to the benefits of being a cost-efficient solution with first-class quality. iSy implants, healing caps, multi-functional caps and a single patient form drill are included in a single set. The iSy concept is based solely on transgingival healing and is used by many customers to attract more patients desiring restorations with implants.

Modern technology and materials expand the possibilities in prosthetics. All implant systems from CAMLOG are optimally designed for the digital workflow. With DEDICAM, CAMLOG offers its customers a comprehensive range of services for CAD/CAM-fabricated reconstructions.

The company provides certified continuing education courses for dentists and oral and maxillofacial surgeons that are presented by distinguished speakers. For beginners in implant dentistry, CAMLOG arranges their participation in implantations carried out by experienced implantologists. At the EAO congress, attendees will be able to meet experts and share in their expertise on the following dates:

**Thursday, September 29**
- 12:15: Guided surgery, Dr Mario Beretta
- 14:45: COMFOUR, Dr Mario Beretta

**Friday, September 30**
- 10:30: Digital dentistry, Dr Selim Pamuk
- 12:30: Guided surgery, Dr Mario Beretta
- 15:00: COMFOUR, Dr Mario Beretta

**Saturday, October 1**
- 10:30: Digital dentistry, Dr Selim Pamuk
- 12:30: Product news, Henry Schein representative

**HAHN TAPERED IMPLANT OFFICIAL IMPLANT SYSTEM OF THE MISCH INTERNATIONAL IMPLANT INSTITUTE**

The Hahn International Implant Institute and Glidewell Laboratories recently introduced the Hahn Tapered Implant as the exclusive dental implant system to be used in the institute’s courses. As part of this collaboration, the Misch Institute is relocating its West Coast programme to the Glidewell International Technology Center in Newport Beach in California in the US. Since its inception in 1984, the Misch Institute has been at the leading edge of education in implant dentistry, training more than 10,000 dentists to surgically place implants. The institute was founded by Dr Carl Misch, renowned practitioner and educator, who authored the indispensable textbook Contemporary Implant Dentistry.

Glidewell Laboratories launched the Hahn Tapered Implant in 2015 in cooperation with clinicians and innovator Dr Jack Hahn. As recently noted by Misch, “the Hahn Tapered Implant is a great fit for the institute, as its design is based on Dr Hahn’s 40-years-plus of clinical experience.” The Hahn Tapered Implant was developed to simplify treatment and make implant therapy accessible to many patients as possible. With its blend of time-tested features, a contemporary design and a streamlined surgical protocol, the implant system provides a comprehensive treatment solution for all clinical indications.

**Glidewell Laboratories, US**
glidewelldirect.com
hahnimplant.com
**Booth B14A**
A new form of dentistry—and it is fun!

An interview with Dr Alan Jurim, integratedDENTAL, US

Working at a practice focused on comprehensive restorative, implant and aesthetic dentistry, Dr Alan Jurim from Nassau County in the US uses various digital and CAD/CAM technologies on a daily basis. In this interview, he speaks about his experiences with Implant Studio from 3Shape and the difference it has made to his work.

In this way, I am able to maintain the same tissue support after the surgery and avoid any tissue collapse or variation during healing. This is very exciting, because we are now able to maintain as much of the healthy tissue for more predictable and improved final aesthetics.

Was this possible before CAD/CAM?

Even though parts of conventional implant planning protocols used CAD/CAM technology, the difference between now and then is huge. The workflow used to go back and forth from digital to analogue, and a great deal of the resolution and data consistency was lost that way, compromising precision and accuracy.

Implant Studio enables inclusion of the patient’s skull data in our 3Shape’s Dental System CAD software. There is no need to ship models back and forth between dentist and laboratory. As a clinician, I want to know that, when I do my tooth set-up, I can accurately maintain the aesthetics and vertical dimension so that vertical position I established stays consistent at each step of planning and treatment. That is why 3Shape is so important: it allows us to integrate all of that into one software package. The final key to that package is Implant Studio.

Why are some dentists still hesitant about going digital?

Having experienced the simplicity of TRiOS technology first-hand, I can tell you that more dentists should be using it. Technology has infiltrated every aspect of our day-to-day lives, to the point at which it is rare not to depend on a computer for assistance. There are just so many advantages to using digital solutions like Implant Studio to improve one’s work. It is not just because one has the technology and should use it, but because it truly improves one’s dentistry. It really is a new form of dentistry—and it is fun!

MIS SHOWCASES INNOVATIVE VCONCEPT

Introduced in May at the third MIS Global Conference, held in Barcelona in Spain, VCONCEPT is a holistic approach intended to provide clinicians with all the tools necessary for a successful and complete rehabilitation process. The innovative V3 implant and the advanced prosthetic system, resulting in a greater volume of bone and soft tissue, delivered a clear message of innovation, aesthetics and simplicity.

The V3 provides clinicians with a better starting point. The unique triangular shape of the coronal part of the implant reduces the amount of titanium and allows more room for bone growth. The compression-free gaps at the top portion of the V3 provide a reservoir for blood pooling and the formation of blood clots, which leads to enhanced bone growth at the crestal area around the implant, according to MIS Implants Technologies.

A consistent concave emergence profile, which more closely resembles natural contours, of all prosthetic components allows for a more efficient restorative procedure and the gain of extra soft-tissue volume for more favourable aesthetic results. Dentists can utilise all the impressive VCONCEPT benefits of greater bone and soft-tissue volume without having to learn new protocols or procedures. In addition, a dedicated V3 surgical kit makes procedures especially simple, safe and accurate.

Simplicity is a driving force for all innovations by MIS. An excerpt from the VCONCEPT video shown in Barcelona emphasises MIS’s view regarding following nature: “There’s no need to change nature; its perfect just the way it is. We need to become part of it and learn from it. When we rid ourselves of our preconceptions, we reshape our mindset. We make room for more nature, which is to our advantage.”

Expanding on the V3 and its groundbreaking qualities, MIS CEO Idan Kleinfeld said: “We would like to be the most innovative dental implant company in the world.”