From a patient to a fan.
With first-class dental solutions by W&H for every challenge.

#patient2fan
Together we make it happen!

Visit us at the EAO: Hall A, S24

wh.com
Planmeca’s powerful Romexis software platform features all the necessary tools for a fully digital implant workflow. The software allows users to design their own implant guides easily and quickly at no extra cost. The projected need for tooth replacements is set to increase over the next few decades. Luckily, taking an implant plan to surgery is now easier than ever.

From planning to manufacturing, the entire workflow can be handled and completed with the Planmeca Romexis software in six simple steps.

Step 1: Smile design
Use the Romexis Smile Design software module and a 2-D photograph of the patient for smile analysis, design simulation and patient motivation.

Step 2: CBCT imaging
Acquire a CBCT image of the patient with a CBCT unit, such as a Planmeca ProMax 3D unit or the brand-new Planmeca Viso unit.

Step 3: Scanning and virtual crown design
Take a digital impression with Planmeca Emerald or any other intraoral scanner and design a virtual crown with the integrated Planmeca PlanCAD Easy software. The completed design will immediately be available in the Romexis software for implant planning.

Step 4: Top-down implant planning
Create a completely virtual set-up for the implant plan by combining the patient’s CBCT image, surface scan and virtual crown using the Romexis software. Select your preferred implant and guided surgery kit from the software’s extensive library and determine the optimal implant position.

Step 5: Implant guide design
Design an implant guide with just a few clicks—the software will automatically complete the guide design based on your implant plan.

Step 6: 3-D printing
Manufacture your implant guide with any suitable 3-D printer, insert a metal sleeve ordered from the manufacturer and proceed with surgery.

As it is a truly open system, all standard image formats can be imported into the Romexis software and completed guide designs can be exported in STL file format at no extra cost.

Planmeca, Finland
www.planmeca.com/implantology
Booth S-18
The demand for aesthetic, natural-looking restorations is continually increasing. This trend favours ceramic implant solutions with high levels of biocompatibility, particularly zirconia, known for its excellent soft-tissue compatibility. The CERALOG Implant System is established and has been in clinical use for more than seven years. The implants offer a high level of predictability and provide aesthetically pleasing results, according to the company. The two-piece design of the system, which allows for screw-retained prostheses, provides many benefits. Owing to the simplified prosthesis, lean instrumentation and clearly structured surgical procedure, the CERALOG Implant System is easy to use. Options for the treatment workflow include flexible trans- or sub mucosal healing of the two-piece CERALOG Hexalobe Implant and transmucosal healing of the CERALOG Monobloc Implant.

The implants are made of yttria-stabilised tetragonal zirconia, which is a ceramic widely used in the dental industry. The ivory colour of the material, which is very close to that of a natural tooth, and the properties of zirconia lead to natural-looking results. Zirconia is chemically inert, making it especially suitable as an implant material. Owing to the manufacturing process of ceramic injection moulding, it offers an outstanding combination of excellent mechanical properties and high strength, according to the company.

The CERALOG Hexalobe offers the ideal implant–abutment connection. It was developed and optimised specifically for the zirconia implant. The force transmission is introduced optimally into the implant. Furthermore, the design offers rotational stability and precise manufacturing ensures a long-term stable outcome of the restoration. The prostheses of the CERALOG Implant System consist of straight and angled abutments made of the polymer polyether ketone ketone (PEKK). The abutment is fixed to the implant via either a titanium or a gold screw. PEKK is easily processed with conventional milling equipment and belongs to the polyaryletherketone polymer family. These materials are required and used for extreme conditions, for example in automotive engineering, the aerospace industry and medical engineering. Because of their chemical structure, they offer tensile strength, rigidity and hydrolysis resistance. In addition to its long-standing use in orthopaedics, PEKK covers a broad spectrum of indications in dentistry, such as in restorations where stress shielding has to be reduced. The ductility of PEKK reduces the stress on the implant and simulates a tooth-like behaviour.

CAMLOG Biotechnologies, Switzerland
www.camlog.com
Booth G-12
ACTEON OFFERS EXTRACTION SOLUTIONS FOR IMMEDIATE IMPLANT PLACEMENT

The innovative ultrasonic Piezotome CUBE surgical device from ACTEON aims to make dental surgeries safer and more predictable. By improving the experience of bone surgery procedures, the device represents a new approach to minimally invasive surgery. This is particularly relevant for extractions, for which the use of predictable and safe technology is essential to achieve superior results for every patient.

During extractions, it is sometimes difficult to preserve the alveolar bone, particularly when rotary instruments are used. This technique often leads to piercing of the Schneider’s membrane with a bur or to sacrificing of the alveolar bone in order to remove the tooth or tooth fragments. Piezotome CUBE offers an alternative tool for extractions. Tips that have been designed specifically for this procedure are very thin, allowing the practitioner to precisely insert the tip to separate the root from the bone by gently cutting the periodontal fibres, thus allowing for immediate implant placement by keeping the bone structure intact.

ACTEON is inviting all EAO congress attendees who are interested in making surgery and its outcomes more predictable, to join its symposium on 11 October from 10:30 to 12:30 in the Innsbruck room to learn more. The session will be focusing on the application of new gold standard bone management in everyday practice and preserving the original anatomy through surgeries that are less invasive and shorter treatment protocols for better patient acceptance. Dr Angelo Troedhan will be presenting a live surgery video demonstration of sinus lift and crest splitting. He will also be illustrating the possibilities of immediate implantation thanks to the perfect alveolar ridge preservation facilitated by Piezotome CUBE.

ACTEON, France
www.acteongroup.com
Booth G-16
Targeting Perfection

Dynamic navigation for freehanded dental implant placement

See for yourself how freehanded guided surgery aids more accurate implant placement. Navident tracks the drill and the patient’s jaw, providing real-time tactile guidance and visual feedback.

- Precision guidance for increased accuracy within 0.5mm of treatment plan*
- Easy to use, reducing time and expense with a simplified workflow
- Provides even greater value from your CBCT data
- Enables minimally invasive flawless drilling without a physical guide
- Compatible with any implant type, drill system and all CBCTs currently on the market

"Dynamic navigation allows more advanced clinical protocols which help me to achieve my goal of high quality patient care. My patients are very happy with Navident."

Prof. Dr. Tadeusz Morawiec, Poland (pictured)

Try Navident’s precision guidance for yourself.
Call +32.475.75.52.26 or email info@claronav.com
Visit us at EAO 2018. We are located at stand No S21

www.claronav.com

Interact with the clinical expert in the field of dynamic navigation

Meet the Expert sessions will be held during the EAO in our booth on Friday Oct 12 and Saturday Oct 13.

Meet the Expert sessions provide participants with the opportunity to be updated about clinical cases performed with Navident in a highly interactive manner. Each session will consist of informal discussions arising from its question and answer format.

Visit dns.claronav.com for more info on tailor-made courses about dynamic navigation.

Learn more at EAO 2018. We are located at stand No S21
Biotech Dental provides a combination of innovative technologies enabling the development of a new digital approach for all dental professionals. From additive manufacturing to digital impression taking, to photo-biostimulation, the company, driven by CEO Philippe Véran’s vision, has constantly reinvented itself with the ultimate goal of making dental care accessible to all patients.

In 2006, Biotech Dental acquired PolyShape, a European leader in 3D printing, to adapt manufacturing techniques for aerospace, Formula 1 and dental prosthetics. With these new processes, the company promotes an entirely made in France system, offering products of high quality at a fair price. The addition of material allows freedom of design that no other manufacturing technique can achieve, enabling the company to offer a wide range of products, such as Smilers transparent aligners and Circle removable prosthesis.

Biotech Dental distributed the smallest intraoral scanner, Condor, on the dental market first in 2014. Using powerful software, the device substantially helps the practitioner throughout the diagnosis and treatment stages while facilitating communication with the patient and the prosthodontist. Today, used in a large number of dental practices, the scanner has become an essential tool of the modern dentist.

In 2015, the company entered the photo-biostimulation market with the ATP38 modulation device. This breakthrough technology reduces treatment time by optimising regeneration during post-surgery healing.

Finally, in 2016, Biotech Dental complemented its product range with an innovative digital architecture based on biomimetics and artificial intelligence. This allows dentists and prosthodontists to work on the same digital file, via an ergonomic and powerful interface, respecting the anatomy of the patient as closely as possible.
CLEANIMPLANT TRUSTED QUALITY MARK PROVIDES INCREASED SAFETY FOR PATIENTS AND PRACTITIONERS

By Dr Dirk U. Duddeck

Michael Norton, Past President of the Academy of Osseointegration, summed up a problem in the implant market, “Dentists have to rely on the word of manufacturers and the FDA or CE marks to feel sure that the implants they are using are being manufactured to a standard one would expect of an implantable dental device. Sadly this is often not the case.”

Residues on sterile packaged implants, in particular, organic particles from the production or packaging process, are strongly suspected of being responsible for incomplete osseointegration of dental implants or even loss of bone during the early healing period.

Four consecutive studies revealed alarming remnants and contaminants in the SEM-based quality assessment. Areal pollution and particles with iron, copper, chromium, nickel, tungsten, sulphur and large quantities of stainless-steel particles, as well as remnants of polytetrafluoroethylene and other significant organic contaminations gave cause for concern.

With the variety of implant systems offered on the market, there has become increasingly difficult for the dentists to choose a safe system for the practice. Based on a consensus paper signed by renowned scientists, the independent non-profit CleanImplant Foundation established a new global quality seal providing exactly this information. Implant companies with their systems already carrying the “Trusted Quality” mark, such as MIS V3, MegaGen AmyRidge, BGI Unicô, NucleoOS T6 and NDI Replicate will present their tested products at the EAO 2018. In addition, other implant systems are currently in the process of examination. The most recent implant manufacturer that will be awarded at the EAO is Bredent, based in Senden in Germany, for their implant system blueSKY. The scientific advisory board proved compliance with the criteria required for issuing the quality mark. The official handover of the certificate is taking place at the Bredent booth (#S11) on 11 October at 15:00.

From implant sample acquisition to environmental requirements necessary for unpacking and the subsequent analysis process, the CleanImplant Foundation guarantees unbiased research at a high scientific level.

Practitioners interested in a personalized certificate for their practice, and implant manufacturers who want to apply for the new quality mark can find more information and a correspondent newsletter on the project’s homepage.

CleanImplant, Germany
www.cleanimplant.com

NAVIDENT 2.0 OFFERS DYNAMIC NAVIGATION FOR DENTAL IMPLANTATION

By using the CBCT image as a kind of map, ClaroNav's Navident guides clinicians much like a GPS guides drivers, offering them an easy-to-use, accurate, portable and affordable method to aid in the planning of desired restorations and implant placements. Now, ClaroNav is showcasing the new Navident 2.0, designed to further streamline everyday digital dentistry workflows, at the EAO.

With Navident 2.0, clinicians will no longer be required to perform an extra scan. Instead, they can use the diagnostic scan already available for the patient. Making a scan is no longer required, saving clinicians valuable time. Known as Trace and Place, this is a game-changing development for dynamic navigation. With Trace and Place, the Navident 2.0 workflow is efficient and user-friendly and can be seamlessly integrated into the daily clinical practice.

“Trace and Place is a real tipping point for dynamic navigation guidance,” said user Dr George Mandela, a periodontist from Chicago in the US. “It has streamlined and simplified the workflow in both the diagnostic and surgical phases to allow state-of-the-art technology to be an everyday component of my surgical implant practice. I cannot imagine going back.”

Implantology specialists who have used Navident 2.0 experts