With MGUIDE MORE, the latest tool for virtual implant planning and guided implantology will be on display by MIS. According to the largest dental implant solutions provider, the system can accurately transform DICOM data into 2D and 3D images to depict real cases in a virtual environment, thus enabling real-time visualisation for perfect implant planning.

Among other features, the user-friendly software incorporates the production of a fully validated drilling template for accurate guided implantation with predictable prosthetic outcomes, the company said. Through sharing their cases, and taking part in demonstrations and discussions, implantologists using the MGUIDE software have access to an extensive online information hub involving several professionals, including doctors, dental laboratories and prosthodontists. A remote access feature allows direct interaction with another member’s MGUIDE MORE planning process.

The prosthetic-driven planning can be performed via the MIS network of MCENTER facilities, in addition to using the software. Full technical support and guidance are currently provided in over 20 countries in five languages.

With MGUIDE MORE process begins with a single patient CBCT scan, which is converted into DICOM compatible data and uploaded for a 3-D clinical evaluation. At the implant planning and template design stage, the integration of a scanned wax-up and stone models enable virtual top-down planning, as well as the template design from which stereo-lithographic templates are produced. The open wire frame templates are made using 3D printing technology to ensure optimal fit and construction from a strong, durable biocompatible material that is lightweight for enhanced patient comfort. Restoration can be done via immediate provisional prosthetic solutions produced in advance using MGUIDE MORE prosthetic tools for laboratory technicians.

In addition, open wire frame templates produced with MGUIDE MORE provide an open field of view during surgery, allowing the administration of anesthesia and irrigation from all angles without removing the template. Rinsed flap surgery can also be performed more easily. The MGUIDE MORE surgical kit not only enhances accuracy and safety for a smoother guided procedure, but also simplifies the implantology process by eliminating the need for traditional guidance keys, the company said. Specially designed sleeves and drills stop at the precise position and depth planned, freeing up hands and saving valuable time.

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Demographic data shows that populations around the world are becoming increasingly older, which leaves dental professionals with a high number of compromised patients and risk factors when it comes to dental implant treatment. Therefore, the demand for products that might reduce the need for invasive grafting procedures is high.

Straumann intends to meet the demand by broadening its Roxolid SLActive implant portfolio. At the EAO congress in Dublin, the global market leader in dental implantology is currently introducing its unique dental implant material Roxolid for all diameters and all implant lines for the first time. Moreover, the company has announced the launch of a new 4 mm short Roxolid implant line to be used in clinical cases with limited vertical space, as with severely atrophied jawbone.

All Roxolid SLActive implants feature the new Loxim transfer piece and are covered by Straumann’s lifetime implant guarantee. The combination of the high mechanical strength of Roxolid with the excellent osseointegration properties of the hydrophilic SLActive surface now allows dental professionals to avoid guided bone regeneration procedures by choosing smaller implants, Straumann said.

Research has shown that the use of smaller diameters or shorter implant lengths can reduce the invasiveness of implant treatments and increase patient acceptance if invasive grafting procedures can be eliminated. Therefore, clinicians can reduce the treatment time, preserve vital peri-implant structures, decrease post-surgical complications, and gain new implant patients by offering products that seek to eliminate guided bone regeneration procedures. In these cases, patients can benefit from a less traumatic, less expensive and shorter treatment with a lifelong implant solution.
“Implant specialists in particular benefit from digital technology”

An interview with Patrick Thurm, Vice-President for Technology at Henry Schein’s Global Prosthetics Solutions division

At EAO, Henry Schein is currently showcasing its new digital dental solution, ConnectDental, to dental professionals in Europe. In this short interview, the Vice-President of Technology at the company’s Global Prosthetics Solutions division, Patrick Thurm, explains the platform and its benefits for dental implant rehabilitation in particular.

Henry Schein is the largest provider of dental products and solutions on the market. What role does a product like ConnectDental play in your portfolio? Henry Schein’s primary focus is to form digital dentistry into a more patient-centric model and to support our customers, dental professionals, in running a more successful business. As the digitalisation of dentistry progresses in the market, so too will the role of ConnectDental continue to evolve in Henry Schein’s portfolio.

Is this system currently available to all dental professionals in Europe? We already provide solutions for digital dentistry in the European markets in which Henry Schein operates. We will extend our offering under the ConnectDental brand.

Thank you for the interview.

Patrick Thurm, Vice-President for Technology at Henry Schein’s Global Prosthetics Solutions division.

Today international! There is a wide range of systems for establishing a digital workflow between practices and laboratories available on the market. What advantages does ConnectDental offer dental professionals?

Patrick Thurm: At Henry Schein, we believe in the concept of an open system for digital dental solutions. With ConnectDental, we provide a digital platform and connect the leading manufacturers of digital dental impression and CAD/CAM products, as well as materials, to a customised solution for practices and dental laboratories.

The advantages for laboratories and dentists are that ConnectDental provides seamless integration of various market-leading technologies, as well as a service and support system, to facilitate the use of digital dentistry. Furthermore, ConnectDental supports the communication and workflow between practices and dental laboratories to increase efficiency and quality. Hence, an increasing number of dental professionals are able to experience the obvious benefits of digital dentistry.

Why are you exhibiting the platform here at the EAO congress in Dublin, and how can it enhance workflow for implant specialists in particular?

We established that implant specialists in particular benefit from digital technology through optimisation of the workflow of diagnostics and CAD/CAM supported prosthetic planning for implant cases. This results in substantially better aesthetics for the patient and higher efficiency for implantologists.

ConnectDental offers us the ability to support implant specialists in optimising their workflow and building a tailor-made digital dental solution, also in collaboration with the laboratory. We received very positive feedback from participants at last year’s EAO. This encouraged us to extend the ConnectDental offering this year with the latest product launched at IDS.