MIS Dental Implants: When virtual becomes reality with the MGUIDE MORE

The MGUIDE MORE is an advanced virtual implant planning and guided implantology system developed by MIS to accurately transform DICOM data into 2-D and 3-D images that depict real cases in a virtual environment; enabling real-time 2-D and 3-D visualization for perfect implant planning.

The MGUIDE system features user friendly software, and incorporates the production of a fully validated drilling template; assuring accurate guided implantation with predictable prosthetic outcomes. The prosthetic-driven planning can be done either by the clinician, using simplified state-of-the-art MGUIDE software, or through the MIS network of MCENTERS, well-equipped facilities in over 20 countries and five languages that provide full technical support and guidance.

Implantology professionals using the MGUIDE software become members of an important online information hub that connects all software users; doctors, dental laboratories, periodontists, prosthodontists and the MCENTER. Users can share cases, take part in demonstrations, discussions or consultations, and use a remote access feature for direct interaction with another member’s MGUIDE MORE planning process.

How does the MGUIDE process begin? First a single patient Cone Beam CT scan is done. The DICOM data is then uploaded for a 3-D clinical evaluation. Next comes the implant planning and template design stage. Integration of a scanned wax-up and stone models enable virtual top-down planning as well as the template design. Then the stereolithographic templates are produced. The open wire-frame templates are made using advanced 3-D printing technologies to ensure optimum fit. Now the guided surgery can be performed. Restoration can be done via immediate provisional prosthetic solutions produced in advance, using MGUIDE MORE prosthetic tools for laboratory technicians.

There are many clear advantages to the MGUIDE MORE open wire-frame template. It allows an open field of view during surgery, where anesthesia and irrigation are accessible from all angles without removing the template. Raised flap surgery can also be more easily performed. The template is constructed from a strong, durable biocompatible material and the 3-D CAD/CAM design ensures the highest level of accuracy. The lightweight template is an added benefit for patient comfort as well.

The MGUIDE MORE surgical kit not only enhances accuracy and safety for a smoother guided procedure, it also simplifies the implantology process by eliminating the need for traditional guidance keys. Specially designed sleeves and drills stop at the precise position and depth planned, freeing-up hands and saving valuable time. The MGUIDE MORE has been specially engineered to deliver a more accurate and streamlined minimally invasive implant placement and restoration procedure, resulting in less chair time and fewer patient appointments.