Materialise Dental, Medical Modeling establish partnership for surgery planning

Materialise Dental, which develops 3-D technology solutions for implant practices, oral maxillofacial surgeons and orthodontists, announced recently that it has established a partnership with Medical Modeling.

The new partnership allows Medical Modeling to exclusively manufacture orthognathic CAD/CAM splints for the United States market and equally provide support for the SimPlant® OMS software.

Materialise Dental focuses on 3-D digital dentistry, offering a range of integrated solutions in computer guided dentistry.

With SimPlant OMS, the company provides an interactive 3-D system for predictable diagnosis and treatment planning of orthognathic cases. SimPlant OMS allows for accurate 3-D cephalometric analysis, surgical simulation and prediction of soft tissue movements.

Based on the surgeon’s pre-operative treatment planning, Medical Modeling then produces custom-made intermediate and final splints using the stereolithography (SLA) process, an additive manufacturing technique.

The splints provide a seamless link between planning and actual surgery, ensuring optimal jaw positioning during surgery without any time consuming model surgery.

Bart Swaelens, CEO of Materialise Dental said: “Medical Modeling has many years of experience in supporting development of an accurate and predictable orthognathic surgical protocol. We value the company’s high esteem for quality service toward its customers and thus we trust they will do an excellent job in managing the SimPlant OMS software support. Their know-how in orthognathic surgery and our industry expertise in 3-D treatment planning software complement each other perfectly.”

Andy Christensen, president of Medical Modeling, said: “We are proud to partner with Materialise Dental for the U.S. market, as they are a fast-growing international company with a strong background in the research and development of computer-guided treatment planning software and patient-specific medical devices. Thanks to our unique strengths, we can offer surgeons performing orthognathic cases a combination of the best 3-D treatment planning software available on the market today.”

The partnership gives surgeons the possibility to opt for all-round assistance during the treatment planning process.

Engineers at Medical Modeling are equipped to help provide hands-on assistance for surgical planning using the software. Additionally, SimPlant OMS users will gain access to patented technology surrounding Medical Modeling’s protocol including fiducial registration of occlusal anatomy.

About Medical Modeling

Medical Modeling Inc., based in Golden, Colo., is a world leader in production of custom anatomical models made using medical imaging data combined with additive manufacturing technology. Every day around the world surgeons count on the company’s ClearView® and OsteoView® anatomical models to prepare for and guide complex surgery spanning the fields of orthopedic surgery, spine surgery, cranio-maxillofacial surgery and neurosurgery. More information on Medical Modeling can be found at www.medicalmodeling.com.

About Materialise Dental

Materialise Dental focuses on 3-D digital dentistry by offering a range of products and services to support specialists in the treatment of their patients. Materialise Dental continues to lead the dental industry in medical image processing, surgery simulation and rapid prototyping technology. The company is represented worldwide by subsidiary offices and authorized distributors and is a trusted partner for many of the largest clinics and research institutions. For more information, see www.materialisedental.com.