Anatomage celebrates 10 years of providing innovative technology

By Anatomage Staff

Anatomage is currently celebrating 10 years of bringing innovative technology to the healthcare industry. The company’s products have been featured globally in TED, BBC, CBC, Japanese Fuji TV and PBS because of its originality and positive impact.

We at Anatomage believe its avant-garde approach has made it a technical leader, shaping and defining the industry standard. The company is committed to offering high-quality products and services that satisfy its customers.

Anatomage is pleased to present the next level in 3-D cephalometric analysis. Anatomage’s 3D Analysis is fast, simple and accurate. The Anatomage 3D Analysis Module is true 3-D cephalometric tracing and analysis for CBCT. It enables full 3-D landmarks and tracing directly on the 3-D volume. There are many standard 2-D and 3-D cephalometric analyses options included in the library.

Clinicians can create their own custom analysis and build their own norm data. Save time with automatic landmark identification and a volume that automatically rotates to the next tracing task.

For a truly impressive presentation, you can quickly photo-wrap your patient with a traditional 2-D or advanced 3-D camera. More advanced new features will be presented in booth No. 839 at AAOMS 2014 in Honolulu.

Invivo 5.3 is the latest edition to the InvivoDental software lineage. High-quality visualizations combined with a variety of diagnostic tools have raised Invivo to the top of the global market. This innovative software is used by implantologists, oral surgeons, general dentists, orthodontists and periodontists.

The software opens medical CT, MRI, dental CBCT and many other medical images in the standard DICOM format without the need for file conversions. These medical images are quickly displayed as interactive 3-D volumes for clinical diagnosis and demonstration.

Anatomage will be located in booth No. 839 at AAOMS 2014. Stop by to learn more about the latest editions of Invivo 5 and 3D Analysis.

Implant Direct offers new InterActive system

With the introduction of the InterActive Implant System, Implant Direct’s portfolio of implant solutions featuring simply smarter design and industry compatibility has expanded to include a 12-degree conical connection that is compatible with NobelActive.

This new system with four implant diameters (3.2, 3.7, 4.3, 5.0 mm), six lengths (6, 8, 10, 11.5, 13 and 16 mm) and a range of prosthetic options offers several design advantages to simplify both surgical and restorative procedures.

The InterActive implant design incorporates several features including flat-based buttress threads. A combination of micro-grooves and micro-threads improves tissue attachment and increases stability, which aids in reducing crestal stress. Three long cutting grooves facilitate self-tapping insertion while the rounded apex reduces risk of sinus perforation.

Included in InterActive’s all-in-one packaging is a cover screw, 2 mm extender/healing collar, final abutment fixation screw and a fixture-mount.

References available upon request from the publisher.

Implant Tribune U.S. Edition | August 2014
PreXion

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Symposium Schedule

Time | Lecture | Speaker
--- | --- | ---
08:30 - 10:00 | Current Advances in Bone Augmentation
- Horizontal Bone Augmentation
- Vertical Bone Augmentation | Dr. Craig Misch

10:00 - 10:30 | Break |

10:30 - 12:00 | Clinical Key Points for Successful Immediate Placement & Loading in the Mandible & Maxilla
- How to Place Implants & Get Ideal Stability in Different Types of Bone Density
- Immediate Placement and Immediate Loading
- Flapless Surgery with the Neo Precision Guide
- Live Interaction - Video Study of Various Cases | Dr. Young-Ku Heo

12:00 - 13:00 | Lunch |

13:00 - 14:30 | Minimally Invasive Crestal & Lateral Sinus Approaches
- No-Measuring Sinus Lift Technique (SCA Technique)
- How to Prevent Membrane Tearing During Sinus Lifting
- Step by Step Procedure of SCA Technique
- Safe, Fast & Predictable Lateral Window Opening Technique
- Minimal Incision & Small Window Opening Technique | Dr. Kent Hwang

14:30 - 15:00 | Break |

15:00 - 16:30 | Implant Complications & Their Solutions
- Etiology of Periimplantitis
- Prevention of Periimplantitis
- Treatment Options of Periimplantitis
- Introduction of Neobiotech Products for Solution of Periimplantitis | Prof. Hom-Lay Wang

16:30 - 17:30 | Contemporary Implant Prosthodontics
- Precision Imression Making
- All About SCRP
- CAD/CAM Digital Dentistry | Dr. Young-Ku Heo

Symposium Speaker

Dr. Craig Misch / USA
- Current Advances in Bone Augmentation

Dr. Young-Ku Heo / Korea
- Clinical Key Points for Successful Immediate Placement & Loading in the Mandible & Maxilla
- Contemporary Implant Prosthodontics

Dr. Kent Hwang / USA
- Minimally Invasive Crestal & Lateral Sinus Approaches

Prof. Hom-Lay Wang / USA
- Implant Complications & Their Solutions
For tight situations when extracting wisdom teeth, here’s how to extend your surgical viewing angle

By W&H Staff

Surgical drive instruments face anatomical limits when extracting wisdom teeth: The cheek obstructs straight handpieces in the case of small mouths, or the distal molar makes burr access difficult for contra-angle handpieces.

In either case, the new surgical contra-angle handpieces from W&H offer an intelligent solution — even for wide apical tooth sectioning.

The dental handpieces WS-91 and WS-91LG combine the advantages of surgical straight and contra-angle handpieces for the first time ever. The extended angle between the shank and burr axis allows good access to the tooth row both buccally and occlusally. Displaced teeth can be comfortably sectioned.

The dentist also has a significantly better view of the surgical site than with the instruments previously available.

Dr. Mario Kirste from Frankfurt/Oder had this to say: “If I turn the contra-angle handpiece head slightly, I can work particularly quickly and safely in the retromolar region. The instrument has the potential to reconcile the contrasting positions taken up by the users of straight and contra-angle handpieces.”

Power plus hygienic safety

The new contra-angle handpieces WS-91/WS-91LG are real powerhouses at the same time. Their transmission ratio of 1:2.7 results in a speed of up to 135,000 revolutions per minute. The key factor, however, is their high power combined with a surgical motor.

The contra-angle handpieces achieve an effective power of more than 2 Ncm on the working part of the burrs, making them almost three times as powerful as standard dental contra-angle handpieces combined with an electric dental motor.

Biologically necessary and hygienically safe cooling is also taken care of: An external triple spray cools the rotating instrument with a sterile saline solution. As with all dental handpieces from W&H, the surface of the new contra-angle handpieces is scratch-resistant and therefore easy to clean. They can also be easily disassembled without tools, according to W&H.

Successful balance

Apical resection is another indication for the contra-angle handpieces WS-91/WS-91LG. The sophisticated geometry ensures excellent vision in cases involving maxillary molars and small mouths. In the WS-91LG, a mini LED+ also illuminates the operating area with daylight quality.

“The new contra-angle handpieces are a really successful balance. This achievement by W&H extends my viewing angle and my options in routine surgery,” Kirste said.

The new surgical contra-angle handpiece WS-91LG. (Photo/Provided by W&H)
Simply Smarter Surgery
Neck Matched to Major Diameter
• Seals opening at crest of ridge reducing need for bone grafting

Micro-threads and Grooves
• Micro-grooves to improve soft tissue attachment and micro-threads to increase stability and reduce stress in crestal bone area

Cutting Edge of Grooves
Face Clockwise
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AAP Booth #615
AAOMS Booth #938

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- Reduce the need to confirm seating with X-rays

\textbf{Two Color-coded Implant Platforms for Four Implant Diameters}  
- Restore more implants with a smaller prosthetic inventory and easily identify the correct size

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline
Diameters (mm) & 3.2 & 3.7 & 4.3 & 5.0 & 6 & 8 & 10 & 11.5 & 13 & 16 \\
\hline
Platforms (mm) & 3.0 & 3.4 & 5.0 & 5.0 & 6 & 8 & 10 & 11.5 & 13 & 16 \\
\hline
Lengths (mm) & 4 & 6 & 8 & 10 & 12 & 14 & 16 & 18 & 20 & 22 \\
\hline
\end{tabular}
By i-CAT Staff

Implants are making news on a global scale. According to The Wall Street Journal's Market Watch, the implant market "is mainly driven by the rising edentulous population, increasing adoption of advanced dentistry in the developed countries, increase in disposable incomes and increasing awareness of dental care."

And while this procedure is growing globally, the report notes, "The North American market is expected to grow at a higher pace than Europe mainly due to lower penetration and the high adoption rate of advanced dentistry."

While types of materials and implants are evolving on the market, imaging is key to knowing the precise details of the patient's dentition that can affect a favorable result. i-CAT FLX™ has gained a reputation for image quality, smooth workflow and low radiation dose.

For planning, i-CAT scans show true anatomy of dental crowns and high-resolution individual slices for accurate measurement of bone density and alveolar nerve location. Practitioners can avoid potential surgical complications by checking for root entanglement prior to extractions with automatic nerve canal tracing.

Oral and maxillofacial surgeon Dr. Steven Guttenberg noted that CBCT offers him "the data to evaluate potential implant sites, and confidently develop a treatment plan. I can place implants exactly, avoiding anatomical structures, such as the sinuses and nerves, and I can establish precise angles to fit the implant properly in the available bone."

With CBCT, "my patients' confidence grows and so does my confidence to treat them properly and safely."

In combination with Tx STUDIO™ soft-ware, clinicians can combine their 3-D images with intraoral scans for a more complete representation of the anatomy and hard and soft tissues to increase accuracy of implant placement and restoration design.

With these proprietary software planning tools, clinicians can map an entire course of treatment from surgical placement of the implant and abutment all the way to final restoration.

Tx STUDIO™ 3.3 in conjunction with scans facilitates implant treatment planning of single or multiple implants. The Explorer tool offers a 3-D view with cross-sectional images of a particular point for more detailed visualization of root fractures, sinuses and pathology. Patients can be more involved in the process with the Video Simulation Tool that can improve understanding and result in greater case acceptance.

To streamline the implant process, an extensive library of implant templates affords best possible selection of suitable implant type, size, location and angulations prior to surgery.

To facilitate communications with the lab, as well as developing 3-D treatment plans, clinicians can choose to import STL files from either digital models or their intraoral scanner and easily register those with their i-CAT 3-D scan in Tx STUDIO software.

This communication with the lab can create the final restorations based on the practitioner's exact design. Also, i-CAT scan files are universally compatible with all leading surgical guide providers to expand implant planning capabilities.

With all of the implant planning and implementation tools available with i-CAT, an important aspect of the i-CAT brand is the emphasis on control over delivery.

"The i-CAT system. He notes: "The i-CAT scanners produce unparalleled images, which are so crucial in the treatment planning for dental implants. Additionally, the flexibility of these units allows the clinician to collimate and select various fields-of-view, thus drastically reducing the radiation exposure to the patient."

"Having experienced the inherent differences in 2D- and 3D-planning," Dr. John Russo said, "3D imaging provides safety for my patients and confidence that I am formulating a good diagnosis before developing a surgical treatment plan."

In the Internet age, where more patients can learn about implants as a treatment option, 3-D imaging can help prevent complications, reducing the radiation dose. Cone beam 3-D imaging combined with revolutionize 3-D dental and maxillofacial radiography.

Learn more about i-CAT systems at the AAOMS systems in booth No. 514 and CDA in San Francisco in booth No. 6.

References

How to utilize the MCENTER by MIS

The MIS MCENTER offers custom solutions for both the surgical and restorative aspects of implant dentistry. The MGUIDE and CAD/CAM 360 can take you and the patient from edentulous to temporary and abutments in a few easy steps.

Beginning with the planning and surgical phase, the MCENTER makes the process simple and affordable. First, the doctor submits digital (DICOM) data and models or impressions of the patient's mouth. Easy-to-follow instructions to determine the type of information to submit can be found on the MCENTER website www.mcenterusa.com.

MCENTER professionals upload the data into the MGUIDE software, in which the DICOM data and the scanned models (STL files) overlap. Virtual implants are placed in the software in accordance with the patient's anatomy and the desired outcome. A screen-sharing appointment is then scheduled with the MCENTER professional and the doctor to review, plan and approve the case.

During that screen-sharing appointment, each implant is evaluated in real time and the clinician can have the position of the implant altered. Once the surgical plan is approved by the clinician, a customized surgical stent is designed and manufactured using the latest 3-D printing technology. The surgical stent is packaged with the appropriate implants and usually shipped two days after final approval.

The MGUIDE software is not purchased by the doctor. That immediately brings down the cost of guided surgery. With the MGUIDE system, you pay for each stent on a case-by-case basis (or a multi-case package can be purchased).

Surgeons notice the differences in the MGUIDE surgical stent right away, according to MIS customers. The stent is designed so it clips on the undercut of existing teeth to secure it in the proper position. For edentulous cases, the stent rests on the soft tissue and is contoured specifically for each individual case. The stent is then safely secured using either fixation pins or template anchoring screws.

The MCENTER's surgical stent has a clear and open architecture that offers the ability to access and expand the osteotomy site without the need for awkward drill guide keys that are used in traditional guided surgery systems.

MCENTER provides a full range of zirconia restorative solutions for dentists and dental labs, as well as custom-milled zirconia abutments, full contour crowns, copings and bridges.

Temporary restorations can be created to be delivered with the surgical stent at the doctor's request. With state-of-the-art CAD/CAM milling machines and high-quality raw materials, the MCENTER is able to deliver meticulously designed and crafted components to the restorative doctor.

Whether you utilize the MCENTER for your entire case, or just for a portion of it, we believe you will enjoy being part of the team.