AAOMS is waiting for you

If you haven’t yet registered or joined in the fun at the 102nd AAOMS Annual Meeting, you’re in luck. There is no better time than now, with the meeting just heating up.

The 2020 Virtual AAOMS Annual Meeting, running from now through Oct. 10, is taking place online this year because of the COVID-19 pandemic. The meeting combines the educational content of the association’s 102nd Annual Meeting, Scientific Sessions and Exhibition, originally scheduled for this month, and annual Dental Implant Conference, originally scheduled for December, into one.

Organizers promise that the meeting’s live and on-demand educational sessions will provide greater flexibility for attendees to learn about the latest research in the specialty of oral and maxillofacial surgery (OMS). A community-oriented platform is set to foster interaction between attendees and speakers.

Being held in conjunction with the International Association of Oral and Maxillofacial Surgeons, the meeting features several international speakers and focuses on the theme of the “Digital Workforce: Improving Efficiency and Safety for our Patients.” Oral and maxillofacial surgeons, faculty, residents and allied staff are all invited to attend.

Similar to previous in-person AAOMS annual meetings, the educational content is presented in clinical tracks that cover the scope of OMS practice: anesthesia, cosmetic, dentoalveolar, orthognathic, pathology, pediatrics and cleft, reconstruction/nerve, temporomandibular joint and trauma. Sessions are focused on timely topics that will help enhance the OMS practice.

The Dental Implant Program is reviewing enhanced dental implant content with four live sessions, three on-demand sessions and interaction opportunities. New to the AAOMS Annual Meeting lineup are OMS-guided surgical recordings. Renowned OMSs will share videos of procedures while discussing important pearls and lessons for specific clinical procedures important to the field of oral and maxillofacial surgery. Topics include implants, orthognathic, reconstruction/nerve and cosmetic.

Each Surgical Pearl will include teachings on three specific procedures led by the operating surgeon. Upon conclusion of the presentations, attendees will be able to engage in a question-and-answer period with the speakers.

Attendees can participate live or watch these sessions on-demand for 60 days.

In addition to the educational sessions, a virtual exhibit hall is displaying the most advanced products and services available in the OMS specialty. Attendees are encouraged to visit the exhibit hall during Exhibitor Engagement Hours (visit www.aaoms.org/meetings-exhibitions/annual-meeting/102nd-annual-meeting/exhibition for exact times). During these hours, exhibitors will be available to chat with attendees and answer questions, provide additional information and build relationships with AAOMS members.

The exhibit hall will be available 24/7 until Dec. 10.

Registration is still open to AAOMS members, OMS residents, professional allied staff and non-members, and you can join in at any time.

More information is available at AAOMS.org/AnnualMeeting.

Dr. Anthony Fauci and Jay Leno highlight online President’s Event

Mark your calendars for Oct. 9, and log on to join AAOMS President Dr. Victor L. Nannini for a night of celebration with AAOMS’s virtual networking lounge for a comedy show by Jay Leno, former host of NBC’s “The Tonight Show.”

As director of NIAID since 1984, Fauci has served as a key advisor to six U.S. presidents on AIDS, COVID-19 and other health issues. As a member of the White House Coronavirus Task Force, he has shared guidance with the public on protecting against the virus.

While chief of the NIAID Laboratory of Immunoregulation, Fauci has made significant contributions to research on the origin, development and treatment of immune-mediated and infectious diseases. He is credited with developing effective therapies for previously deadly inflammatory and immune-mediated diseases, such as polyarteritis nodosa, granulomatosis with polyangiitis and lymphomatoid granulomatosis.

His honors include the Presidential Medal of Freedom and National Medal of Science. He has written or edited more than 1,300 scientific publications.
JOMS: For jaw cancer patients, in-house 3-D printing allows quicker restoration of teeth

In-house 3-D printing allows patients with malignant disease to more quickly receive immediate tooth restoration — treatment that had been regarded as low importance for these patients because of the severity of their disease, a new study found.

The 3-D digital workflow eliminates the wait in providing replacement teeth using the conventional approach and is less costly, according to the study published in the August issue of the Journal of Oral and Maxillofacial Surgery, the official journal of the American Association of Oral and Maxillofacial Surgeons (AAOMS).

For the study, 12 patients underwent virtual surgical planning (VSP) for a procedure called free fibula maxillofacial reconstruction, which replaces bone and soft tissues in the face removed to treat cancer with bone and soft tissue from the patient’s leg. A dental prostheses was created for each patient to be placed at reconstruction. For five patients, a dental laboratory made the prostheses. For the other patients, a surgeon designed the prostheses and 3-D printed them in-house. Four of the patients who received a prosthesis from the in-house 3-D printing had malignant tumors.

Researchers found time and cost were less for developing the prostheses in-house than using a dental laboratory. Sending production of a prosthesis to dental laboratories leads to delays in the prosthesis being ready to give to the patient soon after cancer surgery, the study notes.

“Such a delay has limited the usefulness of this treatment to benign conditions,” researchers wrote. “With point-of-care 3-D printing, we have fabricated a dental prosthesis within 24 hours of the VSP session, eliminating any additional waiting period before surgery.”

For the in-house printing, the surgeon received digital files immediately after the VSP session. Within a day, the prosthesis was 3-D printed. The in-house prostheses were prepared for surgery one to two weeks before a plate and models from VSP arrived, so treatment was not delayed more than the standard duration for acquiring the plate and models from the vendor, according to the study.

By comparison, the offshore laboratory needed an additional two weeks to create the prostheses. On average, the prostheses created at the offshore dental laboratory cost $617 compared to $8.34 for resin for the in-house 3-D prosthesis, the study notes. However, the researchers cautioned that costs are associated with obtaining a 3-D printer and supplies (less than $3,000).

The small study did not compare prosthesis quality between the two settings.

“As point-of-care 3-D printing becomes available to more surgeons, we anticipate this will become a viable solution for many patients,” researchers wrote.

To learn more about 3-D printing, attend the “3-D Printing and Virtual Surgical Planning in Maxillofacial Surgery — The pitfalls and the pearls’ session, to be held from 10:05 to 11:05 a.m. Thursday, Oct. 8, during the AAOMS virtual conference.

For more information

Photo/Jula Freeman-Woolpert, freeimages.com

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Periodontist becomes one of the first to use surgical robotics when placing implants

By Neocis Staff

Since 2000, more than 6 million robotic-assisted surgeries have taken place across multiple medical specialties, including cardiovascular, neurology and orthopedics. But surgical robotics have only recently been available to dentists.

Dr. Christopher Bingham of Council Oaks Perio is the first periodontist in Austin, Texas, to be certified to use the Yomi® Surgical Robotics System to place dental implants.

Successfully placing dental implants requires careful pre-operative planning and a high degree of accuracy and precision. Surgical robotic technology helps doctors to achieve these objectives.

Bingham is one of only 50 doctors in the United States who are certified to use the Yomi Robot, which is the first and only FDA-cleared robot-assisted dental surgery system. The Yomi Robot is an assistive surgical technology that offers physical guidance through haptic robotic technology to precisely and accurately place dental implants.

Bingham is always in complete control of the surgery. Yomi provides Bingham computerized navigation to assist in both the planning (pre-operative) and the surgical (intra-operative) phases of dental implantation surgery. Yomi also enables a minimally invasive flapless approach, which has been proven to lead to faster recovery and less pain for the patient, according to the company.

“I chose to become certified in Yomi Dental Robotics because I believe that robotic surgery will become the standard of care in dental implantology just as it has in many other medical specialties. I am excited that Council Oaks Perio is the first dental practice in Austin to place implants using this exciting technology,” Bingham said.

Bingham is the recipient of numerous awards, including the Richard J. Lazzara Implant Fellowship, and he is a diplomate of the American Board of Periodontology. He is a member of American Academy of Periodontology, Academy of Osseointegration, American Dental Association, Texas Dental Association and the Capital Area Dental Society.

Bingham received his bachelor of science degree from Brigham Young University in 1998. He completed his DDS from the University of Illinois in 2005, followed by the completion of a general practice residency at the Rush University Medical Center in 2006. He then practiced as a general dentist for two years before entering Georgia Health Sciences University (formerly Medical College of Georgia) in Augusta, where he earned a certificate in periodontics and a master of science in oral biology in 2011.

For more information
To learn more, visit www.Neocis.com or stop by the virtual booth during the during the AAOMS virtual conference.

Neocis, the company behind Yomi and a leader and pioneer in robot-assisted dental implant surgery, announced in July that it received 510(k) clearance from the U.S. Food and Drug Administration (FDA) for a new Yomi edentulous indication.

The clearance allows for a new splint attachment that broadens Yomi’s application to include full arch implant cases as well as partially edentulous cases.

It is estimated that more than 36 million Americans are missing all their teeth. The new Yomi edentulous splint will enable doctors to use Yomi’s technology to reach more of this population.

At right, the Yomi Surgical Robotics System is used to place implants. Photo/Provided by Neocis
Xenograft Bone Graft Material

Mineralized Cancellous Xenograft Material

- 0.25 - 1.0mm Microporous Granules Facilitate Osteoconduction & New Bone Formation
- Space Maintaining Material Supports New Bone Regeneration & Healing
- SalvinOss® Particles Become An Integral Part Of Newly Formed Bone Framework
- Organic Components Removed While Maintaining Characteristics Of Native Bone
- Can Be Mixed With Sterile Saline Or The Patients Blood
- Radiopaque


Case Study - Socket Preservation With SalvinOss®
Case & Photos: Dr. Michele Holzinger

Pre-Cp
Post-Extraction - 4 Months Healing
Post-Implant - 3 Months Healing

“...I trust Salvin Regenerative because they help me produce results that are consistent and reliable for my patients. When I re-enter a site grafted with SalvinOss®, I know exactly what to expect because the results are predictable.”

Dr. Michele Holzinger
Periodontist, Middletown, CT

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