Hot start for EAO meeting in Madrid

More than 4,000 dental professionals to attend 26th edition of international event

In addition to the educational offering, attendees can try out the latest products and technologies in their field at the trade exhibition. Over 130 manufacturers and dealers, including international heavyweights like Nobel Biocare, Straumann and Dentify Sirona, are showcasing their latest innovations. Attendees can also learn about the new products and clinical solutions in detail at industry symposia running concurrently with the main programme.

Information about the 2017 congress and programme is available online and through the EAO-SEPES 2017 mobile app, which can be downloaded from the iTunes Store and Google Play. The latest news from the show floor, interviews with opinion leaders, and impressions are available at www.dentaltribune.com.

Founded in 1991 by leading dentists interested in osseointegration, the EAO is now a worldwide authority in the fields of reconstructive surgery and prosthetic rehabilitation. In addition to its large annual event, which attracts between 2,000 and 4,000 professional visitors annually, the association holds master clinical courses throughout the year. It furthermore offers members and non-members the opportunity to obtain a postgraduate diploma in implant dentistry.

Symposium highlights JUVORA's PEEK implant prostheses

Provided a clinician’s perspective on JUVORA PEEK-based frameworks. In his presentation, he discussed the promising short-term results of his ongoing prospective study regarding the material’s clinical applications. Showing the progress made by a number of patients fitted with JUVORA prostheses for full arch rehabilitation, Moure-Guedes praised the high level of biocompatibility that this material possesses, drawing attention to the excellent gingival conditions enabled by its impressive osseointegration. “Bone responds very well to PEEK,” he told attendees. “We were very happy with the performance of PEEK. Patients have also responded favourably to it.”

Following Moure-Guedes was Antonio Silva, also from the MALO CLINIC. Silva shared his laboratory experience with JUVORA in his presentation and detailed some of the problems his team had encountered upon first applying the polymer in the clinic’s patented All-on-4 protocol for rehabilitating completely edentulous patients. He stressed that these issues were easily resolved once his team became more familiar with the material behaviour of the JUVORA Dental Disc, as there were certain mistakes that occurred simply owing to its large annual event, which attracts between 2,000 and 4,000 professional visit
implants in immediate function. The award-winning clinician highlighted the importance of understanding peri-implant pathology prior to discussing peri-implantitis. He explained the risk assessment factors and recalled recommendations to prevent implant failure. “Measure the risk, manage the risk, communicate,” concluded Nobre.

To round up the symposium, pioneer in PEEK technology research Dr Bernd Siewert, of Clínica Somosgua, outlined some of the key factors for ensuring long-term success when using JUVORA prostheses. With almost three decades of experience as a dentist, Siewert has specialised in metal-free dentistry since 2008, and in 2014, founded a dental laboratory that processes only PEEK-based prosthetic solutions. In his presentation, he spoke about the history of PEEK and presented some of his own clinical cases to highlight how the bone-like modulus of elasticity and compressive flexibility of a JUVORA bridge framework allow it to withstand enormous masticatory forces and bruxism in the long term. Siewert emphasised that CAD/CAM-fabricated bridge frameworks milled from this material possess no material faults, as they do not undergo any physical changes during processing. “After nine years of using PEEK, we have seen stable bone around the implants, stable PEEK frameworks, no fractures of direct-to-implant PEEK abutments and, finally, no shipping or wear with composite veneering. Only in some cases did we see occlusal wear using PMMA veneers,” said Siewert. “PEEK is not only a metal-free alternative, but a great material for full-arch metal implant-supported bridges.”

Overall, the symposium provided a valuable opportunity for those who attended to learn more about JUVORA implant prostheses and how this solution can be integrated into the workflow of a dental clinic or laboratory. As the speakers demonstrated, PEEK exhibits great flexibility, a low modulus of elasticity, outstanding capacity to absorb occlusal forces, a density of 1.3 g/cm³ and a water absorption of only 0.5 per cent. Its flexural strength and very low fatigue prevent fractures. Finally, the excellent biocompatibility of pure PEEK helps maintain healthy soft tissue and prevents corrosion. With the latest-generation PEEK material, dentists can offer prostheses with the important properties of being flexible and shock-absorbing while following a fully-digital production.

For further information, dental professionals are invited to visit www.juvoradental.com/peekexpert-club and stop by the JUVORA Booth S32.