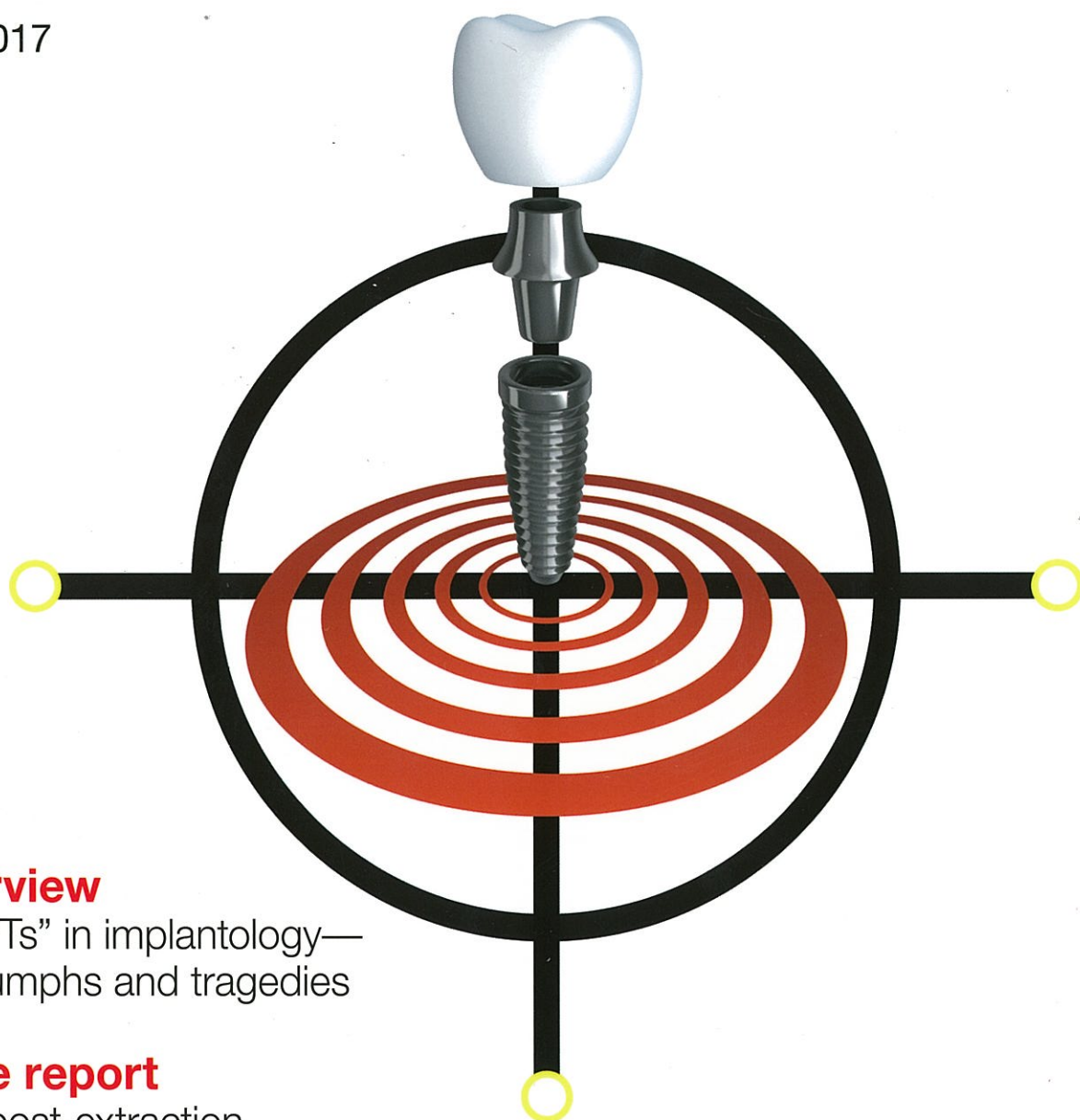


# implants

international magazine of oral implantology

1 2017



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# Japan Annual Meeting 2016 of ISOI and DGZI in Tokyo

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From 12 to 13 November 2016, the annual ISOI meeting of the Japanese DGZI fellow society took place in Tokyo. Having been founded ten years ago and now featuring more than 700 members, the International Society of Oral Implantology (ISOI) is among the most important DGZI partner societies. Both DGZI and ISOI members greatly appreciated the palpable hospitality and close personal relationships during the congress.

At last year's ISOI meeting, the DGZI was represented by its 1<sup>st</sup> Vice President and Treasurer Dr Rolf Vollmer. Keynote speaker from Germany was oral surgeon Dr Manfred Nilius. On the eve of the congress, a traditional party for speakers and members of the board as well as all members who were involved in the congress was held. Prof. Dr Naotaka Sugiyama, ISOI President, and Dr Hitoshi Yamawaki, ISOI Vice President, as well as members of the board Dr Takatomo Arai, Dr Waturo Komuro and Dr Osamu Yamashita addressed the audience in short introductory speeches. Dr Sugiyama pointed towards the friendly

relationship between DGZI and ISOI and expressed his regret that he had not been able to partake in the DGZI congress in Munich due to personal reasons. Dr Rolf Vollmer responded to this in his introductory speech by presenting Dr Sugiyama with a small Munich souvenir, hoping to make up for the missed opportunity to visit the Oktoberfest. On Saturday, participants were given the chance to visit workshops. In addition, the ISOI conducted tests for their qualification "Authority in Dental Implantology".

On Sunday morning, Dr Sugiyama welcomed the nearly 400 congress participants at the Maihama Hotel, which is situated at the Tokyo Bay near Disneyland. This year, the congress seemed to have been modelled according to DGZI tradition, taking place at the hotel and featuring snack breaks in which participants chatted with representatives from the dental industry. This new congress design received general approval. In his introductory speech, Dr Sugiyama also outlined the significance of education and a thorough knowledge of anatomic structures for protecting the

Author details







Fig. 1

patient from any disadvantages or impairments. He further stated that this premise had not always been a given in the past, resulting in serious emergencies.

Dr Vollmer likewise highlighted to the DGZI educational structures, the international relationships of the society and the special importance of its Japanese partner ISOI in his introductory speech. His presentation was completed by images from the past years and the DGZI Congress in Munich. He also mentioned that Dr Komuro, ISOI member of the board, successfully passed his exam as expert in oral implantology. The chairman thanked Dr Sugiyama and Dr Vollmer for their introductions and handed over to Dr Manfred Nilius.

Dr Manfred Nilius' speech was titled "Digitalisation in Modern Implantology and Maxillofacial Applications", raising the questions if digitalisation was mandatory or dispensable in these disciplines. He answered this question with case examples, which illustrated indications and opportunities of digital applications in implantology and oral surgery. His concept follows the principle "from simple to complicated" and especially relies on interdisciplinary cooperation. The first part of his speech discussed

a simple, minimally invasive implant procedure, whereas the second part addressed the digital capture and planning of autologous bone augmentation. The third part focussed on guided implantation with laboratory-fabricated templates. The fourth part explained the concept of dental and facial harmonisation. Dr Nilius introduced the case of a 30-year-old female patient, who presented with the wish to change the aesthetic appearance of her teeth and her whole face. An intraoral scanner was used to capture the anatomic data of both teeth and extraoral facial features. Face and tooth shape were then measured and the digitally optimised tooth form was used to prepare the teeth, which were then scanned again. After the data sets had been coordinated, the intra-oral as well as extraoral situation became visible. Postsurgical pictures show a harmonious face which corresponded to the patient's wishes.

The last case gave impressive evidence of how the harmony of facial expressions can be improved. A male patient presented with a high need of maxillofacial reconstruction. A harmonious facial expression was restored with the help of maxillofacial surgery, implantology and osseous surgery (osteotomy/chin

**Fig. 1:** Participants of the ISOI (International Society of Oral Implantology) meeting 2017.



Fig. 2



Fig. 3

**Fig. 2:** DGZI and ISOI Treasurers Dr Takatomo Arai and Dr Rolf Vollmer.

**Fig. 3:** Dr Vollmer presents Dr Komuro with his expert certificate.





Fig. 4

**Fig. 4:** ISOI members of the board with international speakers, among them from Germany: Dr Rolf Vollmer (centre), Dr Manfred Nilius (fifth person from the right side).

**Fig. 5:** Kenchoji Temple in Kamakura.

resection). The following treatment steps were performed:

- Diagnosis
- Evaluation of the three-dimensional proportions and depth of the bone
- Discussion of alternative treatments
- Additional findings and a precise analysis of defect proportions
- Selection of the implant design
- Treatment method
- Informing the patient.

Advantages:

- Advantages in scheduling the treatment
- Reduced operating time due to exact planning and workflow integration
- Forensic advantages
- 3-D documentation for any legal affairs

Speakers agreed that digitalisation has become obligatory in dental implantology and maxillofacial surgery.

The following speaker, Dr Yasutomo Yasima, talked about "Dentistry and Dental Implants" and the consequences of a treatment which does not follow professional standards. He reported on serious cases with severe consequences for both dentist and patient. Furthermore, he discussed digitalisation in dentistry and implantology and spoke on the opportunities of CAD/CAM constructions and productions.

After the break and expert discussions, Dr Henry Kwek talked about the importance of soft- and hard-tissue management. Providing impressive examples, he explained how to achieve long-term success. The documentation of the surgery and follow-ups of up to nine years showed excellent results.

Dr Madahiko Kamesiro reported on the application of auxiliary implants for immediate stabilisation of dentures after implantation and their advantages compared to immediate loading of implants.

The congress concluded with speeches by Dr Yosimi Kakumoto and dental technician Akihide Itou on the opportunities provided by intraoral imaging and its application in CAD/CAM technology. They extensively illustrated the use of these technologies in general dentistry as well as dental implantology. Dr Sugiyama and Dr Vollmer thanked the participants for their attendance and interesting speeches representing the state-of-the-art 2016. The next DGZI congress will take place from 29 to 30 September 2017 in Berlin.

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About the society



Fig. 5