

Complications, Risks, and Failures in Oral Implantology

author_Georg Bach, Germany

DGZI consciously chose this provocative and at the same time honest topic for its 39th DGZI Annual Congress. Once more, about 500 professionals—dentists specialized in implantology as well as oral and maxillofacial surgeons—met in Munich (October 9–10) for expert exchange.



Once again, DGZI succeeded in arranging an extraordinarily attractive scientific program with highly qualified speakers. It perfectly linked practice and research and therefore fully corresponded to the philosophy of the oldest European expert association for implantology. In the morning of the first congress day the participants were "tuned in" for the 39th DGZI Annual Congress, thanks to the great number of extremely well-booked workshops. "We must, and we will also face the specifically problematic aspects of our field of expertise, namely implantology, which are often excluded at most congresses." With this clear and quite self-critical avowal Dr Friedhelm Heinemann, President of DGZI, opened the congress. Although complications and risks of modern implantology methods are manageable for

experienced implantologists, the number of mistakes and failures naturally increases due to constantly increasing numbers of incorporated tooth abutments, according to Dr Heinemann. The DGZI President showed extraordinary media competence when he easily managed a conference circuit with Prof Walter in Dresden, Chairman of DGZPW (a scientific association, which closely cooperates with DGZI). Prof Walter was thus able to address the audience in Munich with his "digital message".

International speakers, podium 1 and 2

The main podium has already achieved a kind of cult status. It takes place in the afternoon of the first congress day and is traditionally dedicated to



international speakers. Thus, many speakers, especially from Arabic countries, have been able to present their experiences with complications occurring in implantology.

While colleagues Boutros, Barakat, Al-Garni, and Tamimi talked about rather general complications, Jaoude, Geha, and Elaskary emphasized failures that occur when applying certain methods.

Final speaker was colleague Odeh who reported on the application of mini dental implants in orthodontics. In addition to the main podium, there were two adjacent podia taking place at the same time. The well-balanced contributions of podium 1 mainly focussed on hard tissue, whereas podium 2 addressed the issue of how to avoid complications, the so called "trouble shooting". A successful evening event in the SKY BAR of the Hilton hotel completed the first congress day and offered an opportunity for collegial and friendly exchange to the constantly growing DGZI family.

_ "Meet & Break" on the second congress day

The second congress day was divided into three comprehensive sessions.

Before the beginning of the scientific program we introduced a novelty: "MEET and BREAK" was a great opportunity for an informal get-together of congress participants, speakers, and exhibitors. A small breakfast was offered in the extremely well-stocked exhibition rooms, and many of the participants took the chance for collegial interchange. The extraordinary good feedback certainly encourages us to offer "Meet and Break" on future events. Prof Dr Thomas Weischer delivered the opening speech of the second congress day titled: "Complications and Solutions in Oral

Implantology". At the beginning of his speech he already pointed out that the general statement, stating that implants can obviously be equated with success, is not correct. In addition to rare surgical complications, especially inflammatory complications may lead to partial or even absolute failures. Prof Weischer presented numerous case studies of general, surgical (exemplified with the mandible fracture), inflammatory (exemplified with local osteomyelitis and implant fractures), prosthetic and esthetic complications, as well as nerve damage. Prof Dr Georg Nentwig talked about "Avoiding Early Functional Failures after Implantation in the Compromised Jaw Bone". The university professor from Frankfurt made a perfect link to the review lecture of the previous speaker by specifically referring to early functional failures. Prof Dr Dr Norbert Kübler spoke about "Extreme Cases in Dental Implantology". His introductory words were as follows: "I would like to present a potpourri of interesting cases to you, which you can only see at universities". The professor from Düsseldorf kept his promise and presented highly interesting cases. Prof Kübler presented extraordinarily well documented and impressive case studies ranging from dramatic cases of trauma patients, e.g. a complete dentogenesis imperfecta, a pseudoprognathism due to cleft lip and palate (cheilognathopalatoschisis), an alleged titanium allergy (one-piece full ceramic implants were used in this case), a pronounced periodontitis marginalis (template conducted implantation), treatment with disc implants, and even MAV.

Implantology". At the beginning of his speech he already pointed out that the general statement, stating that implants can obviously be equated with success, is not correct. In addition to rare surgical complications, especially inflammatory complications may lead to partial or even absolute failures. Prof Weischer presented numerous case studies of general, surgical (exemplified with the mandible fracture), inflammatory (exemplified with local osteomyelitis and implant fractures), prosthetic and esthetic complications, as well as nerve damage. Prof Dr Georg Nentwig talked about "Avoiding Early Functional Failures after Implantation in the Compromised Jaw Bone". The university professor from Frankfurt made a perfect link to the review lecture of the previous speaker by specifically referring to early functional failures. Prof Dr Dr Norbert Kübler spoke about "Extreme Cases in Dental Implantology". His introductory words were as follows: "I would like to present a potpourri of interesting cases to you, which you can only see at universities". The professor from Düsseldorf kept his promise and presented highly interesting cases. Prof Kübler presented extraordinarily well documented and impressive case studies ranging from dramatic cases of trauma patients, e.g. a complete dentogenesis imperfecta, a pseudoprognathism due to cleft lip and palate (cheilognathopalatoschisis), an alleged titanium allergy (one-piece full ceramic implants were used in this case), a pronounced periodontitis marginalis (template conducted implantation), treatment with disc implants, and even MAV.

_Special podium on peri-implantitis

In accordance with the congress topic, a special podium on peri-implantitis with highly qualified speakers was organized. This eminently important topic was





addressed by three qualified experts, each presenting his individual point of view. The first speaker of this special podium, which was eloquently and amusingly moderated by Prof Frank Palm, was Prof Dr Andrea Mombelli. He is the parodontologist to whom we owe the definition of septic peri-implantitis, thanks to his publication issued in 1987. Prof Dr Herbert Deppe and Prof Dr Dr Soren Jepsen were the subsequent speakers. An expert talk with the speakers, again moderated by Prof Dr Dr Frank Palm, completed this session which, without doubt, was a highlight of the 39th DGZI Annual Congress.

immediate loading (nearly the same success rate as later loading of implants), 3-D image processing and digital planning/manufacturing of dental prostheses, complications, and peri-implantitis. The audience was especially impressed by the possibilities of "impression-free practice" and the realization of highly precise implant prosthetics by means of digital impression and construction.

Please note: DGZI offers a special service. The PowerPoint presentation and its numerous references can be downloaded to your own computer from the DGZI homepage www.dgzi.de.

Scientific Review

Another novelty was presented at the end of the scientific program—a Scientific Review. DGZI President Dr Friedhelm Heinemann and Dr Georg Bach evaluated numerous journals and composed a "scientific concentrate" which they presented to the audience. The review topics were novelties concerning implant surfaces (turning away from high roughness and orientation towards hydrophilic surfaces), the renaissance of

The 39th DGZI International Annual Congress was rounded off by a final discussion. In his closing remarks DGZI President Heinemann pointed out the important "Forty-Years-DGZI Anniversary" next year in Berlin. This congress, which will be organized in cooperation with DGZPW, will be dedicated to the field of implant prosthetics.

Information
www.dgzi-jahreskongress.de

