



## High-tech in a unique setting

DGZI has announced a training partnership with Ritter Academy

On 14 and 15 October 2022, Motorworld Munich played host to the first training presented jointly by the German Association of Dental Implantology (DGZI) and Ritter Academy as part of the DGZI's implantology curriculum. Under the motto of "Learning by doing" of the Ritter Academy and Ritter Implants, the DGZI offered participants an unparalleled training experience using the latest technology in simulators for hard- and soft-tissue management with high-tech phantom heads.

With experienced DGZI lecturers and specialists leading the way, the weekend was dedicated to practical training at the highest level. The simulators were specifically developed and manufactured for implantology courses by Ritter Academy, allowing for a practice-oriented treatment process with the guidance of skilled professional staff.

The goal of this mandatory module within the implantology curriculum of the DGZI is to empower dentists to excel in everyday implant practice. Ustomed, a globally established manufacturer of surgical precision instruments, supports the course with surgical instruments and kits for bone grafting and processing.

A prerequisite for the course is mastery of the corresponding e-learning modules to ensure the requisite foundational knowledge and avoid hindrances during practical training. Under the guidance of DGZI specialists, the entire spectrum of dental implantology, including hard- and soft-tissue manipulation, is taught and participants are trained on duplicates of real patient cases, using these to plan, simulate and practise various situations from everyday implantology practice. The workstations are equipped with the instruments and materials (such as implantology kits—in this case those of Ritter Implants) of

an implant dentistry practice. Models with artificial mucosa and periosteum are available, as well as radiographic units, CBCT devices and surgical guides for navigation surgery, specifically designed for the case in question. The maxillary sinus and the course of the inferior alveolar nerve are depicted and marked.

More time and emphasis are given to the practical part of the course. After a brief theoretical introduction by the speakers and the Ritter Academy, the individual steps are shown in a live demonstration and transferred to the workstations so that each step can be practised by the participants. Work is done in teams of two to strengthen the teamwork concept and demonstrate its advantages.



## Learning outcomes

Through the surgical practice, participants learn how to plan and execute complex treatment cases. Areas covered include:

- applied anatomy;
- surgical procedure and incision guidance;
- implantation techniques such as bone spreading, bone splitting and bone condensing;
- principles of soft-tissue surgery (primary wound closure, various techniques for implant exposure, papilla formation);
- knowledge of advanced soft-tissue surgery in implantology and augmentation surgery or correction of soft-tissue deficiencies;
- principles and pathophysiology of bone transplants and intra-oral bone harvesting techniques;
- augmentation procedures and onlay bone block grafting, and membrane and shell techniques for stabilising bone replacement materials;
- sinus lift techniques (open and closed); and
- complication management.



Do not miss out on this unique opportunity to enhance your skills and stay ahead in the field of implantology. Join the event on 20 and 21 October at the dental training institute of the Ritter Academy in Biberach an der Riß in Germany. This special training experience will also be offered in English if there are a sufficient number of participants. For further information, please contact the DGZI secretariat.

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