

Champions® Implants System: MIMI flapless I & II

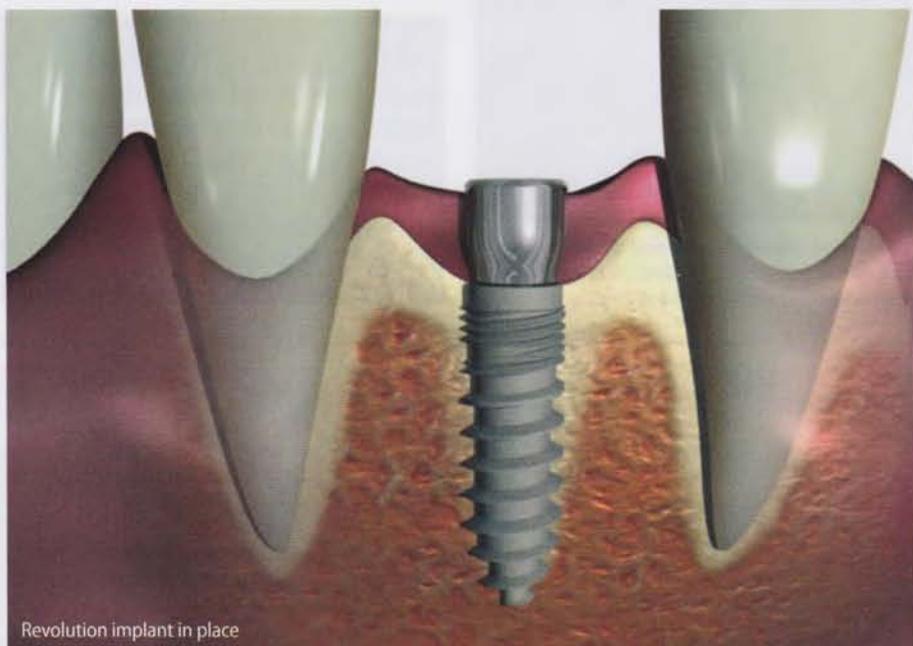


Figure 2: Making implant treatment predictable



Figure 3: Four One Piece-Implants in place

The MIMI® flapless method is based on modern, bone physiological knowledge: bone quite accepts compression, or even needs 'bone training' – other orthopaedic surgical specialists realised this years ago. Without flap reflection of the gums and any damage of the periosteum, a small-sized, slightly conical drill is transgingivally drilled, and a slightly conical implant with a larger diameter is 'condensed' inside with controlled force.

But also for those who love to work full-flap, the concept of the Champions® Implants system, in first place with its two-piece Champions®-(R)Evolution Implant, is more than convincing.

MIMI® flapless II with Immediate Load One-Piece Implants

MIMI®-flapless II (MF II) complements MIMI flapless I. With MF II, the 'triple-layer' is widened bucco-laterally: in several steps, the buccal bone lamella, the intact periosteum located above, and the 'attached gingiva' are mobilised horizontally/sagittally to buccally. Then, the implant can be placed in the prepared bone cavity.

With just a few instruments, which allow for an adequate and careful preparation and planning, you can widen the jaw bone up to 5mm, and this with formed bone from the implant site. Dr Ernst Fuchs-Schaller (Zurich, Switzerland) and Dr Armin Nedjat (Flonheim, Germany) developed these MIMI® flapless techniques 20 years ago and have been continuing to develop the insertion protocol.

With a narrow, sterile diamond, under sufficient water cooling, you prepare about 2mm lingually from the alveolar ridge. It is essential to penetrate, from orally, in the gingiva and the first millimetres of the crestal cortical bone. In this way, you gain about 1mm in height on the buccal side. If you penetrated in the middle of the alveolar ridge, you would lose 1-2mm of buccal height.

You should reach (even very thin) spongy bone. With the conical triangular yellow drill (with a maximum of \varnothing 2,3mm at the end of the instrument), you prepare and condense in the spongy bone at only 70rpm until the complete working length (+2mm). The low speed prevents you from penetrating in the cortical structure. With a thin and flexible probe, you can feel and check the bone, which is incised with a turbine, and the first preparation of the spongy bone. By performing the BCC (Bone Cavity Check), the experienced surgeon can feel and check the vestibular bone lamella density.

To get your free course, please contact:

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Available dates:

7, 8 September 2016
14, 15 September 2016
28, 29 September 2016
26, 27 October 2016
16, 17 November 2016
7, 8 December 2016



Figure 4: Champion HQ



Figure 5: Delegates learning during the course



Figure 6: Learning on site

With the \varnothing 2.4mm – Condenser, the condensation is performed for the whole implant working length +2mm. While leaving the Condenser, you start with the preparation. By means of the Angle Modulator, the three layers (vestibular lamella, periosteum, and attached gingiva) are mobilized vestibularly.

Navigated preparation

In this case, the four one-piece Champions implants were placed using the known minimally invasive protocol without mucoperiosteal flap reflection. Primary stability of 30-60Ncm was attained through the vestibular and lingual bone wall. After taking the impression, a fixed temporary was made with a miniplast splint and temporary filling material. After cementing, we connected it to the mesial proximal surfaces with a composite.

With the help of 'navigated preparation' with 'polishing transfer caps' of the laboratory model (incl. laboratory analogs), the implant heads are prepared in the patient's mouth without anesthesia. For this, a red handpiece and a new NEM-drill are used in order to prepare the conically shaped heads according to the instructions of the laboratory. In this case, a mesial preparation of the implants 31 and 42 was performed under water cooling to allow an adequate final immediate restoration with passively fitted splinted zircon crowns a week after surgery. If you had wished to fabricate single crowns, it would have been

recommended to use two-piece Champions implants.

A week after implantation, the gingiva was adapted to the high-quality aesthetic ceramic-laminated crowns.

To the patient, the conventional implantation would have meant a costly and long treatment, including:

- Augmentation with alloplastic or autologous material
- Four months of waiting time
- Implantation of another two-piece system
- Three to four months of waiting time
- Exposure
- Healing cap
- Prosthetics, incl. removable prosthesis.

A conventional implantation is more expensive than the MIMI-flapless treatment. The MF-II technique, in combination with prosthetic immediate loading, widens the range of implant treatments.

Free Implant courses for UK dentists in 2016

This year, more than 240 participants attended six course series in the brand new and state-of-the-art Champions Future Center (CFC) in Flonheim / Mainz, Germany.

In the CFC there is a surgery room and a conference room, which offers places for up to 40 participants. This innovative and internationally unique education centre is equipped with a stereoscopic 3D-video connection and a Dolby-Surround 7.1 system, which allow you to see live

surgeries on the screen. There are also two translation cabins (course language: German).

The courses MIMI flapless I and MIMI flapless II are based on each other and focus on the minimally invasive implantation methods without mucoperiosteal flap reflection. On Thursdays, Priv-Doz Dr Nedjat presents the MIMI flapless II' method by showing several live surgeries where horizontal bone is widened according to the technique of Dr Ernie Fuchs-Schaller. Even in cases of alveolar ridges with a width of below 2mm, implants can be placed carefully, which causes hardly any bleeding. For 20 years, patients have been enthusiastic about this implantation method, which has revolutionized the field of Implantology.

This year (2016), our colleagues of England can attend the courses free of charge. They only have to pay the flight and accommodation. Of course, they will receive a certificate for the participation and the confirmation of the CPD hours.

The accommodation near to the Champions-HQ is in the middle of a wonderful wine area and costs are up to 70 Euro only. There will be a complementary airport transfer too.

For more information, please check our website:
www.gbr.championsimplants.com