



CHAMPIONS® BASIC RULES for Ceramic BioWin! Implants

Updated: 2 | 2019

GENERAL ADVICE

- I. Please respect the basic rules and medical history of the patient.
- II. Before fitting an implant-supported prosthodontic restoration, observe and evaluate the medical condition, including the periodontal condition.
- III. All Champions® BioWin! can be inserted using the minimally invasive implantation method (without mucoperiosteal flap reflection, "flapless") or the "classical" implantation method (with „full flap“). They are very suitable for the MIMI® method. Flapless incisions with a scalpel or a diamond with turbine as well as punches or direct gingival penetrations are also considered as minimally invasive.
- IV. Check the adjustments of the Torque Wrench: first, adjust it to 20 Ncm. If the Torque Wrench bends around the axis of the wrench head, you will reach the torque of 20 Ncm. In order to reach a higher torque, you can turn the small wheel to adjust the middle line from 20 to 30 Ncm (1st marking on the right). If the Torque Wrench bends again, you will reach a torque of 30 Ncm.



- V. Primary stability of about 20 Ncm should be achieved in the D1 + D2 bone only through the cancellous bone! **Please note: the orange drill (crestal drill ø 3.7 mm) and green drill (ø 4.0 mm) are also used to place a ø 4.1 mm BioWin! implant.**
All Champions® implants should achieve final primary stability of 20 Ncm.
- VI. The BioWin! implants should be placed iso-crestally or equicrestally. It is recommended to implant 1–2 mm subcrestally.
- VII. Please follow the recommendations of the Implantology Consensus Conference ("Konsenskonferenz Implantologie"):
 - In the maxilla a removable prosthesis should be supported by at least 6 implants/teeth and a fixed denture by 8 implants/teeth.
 - In the mandible a removable prosthesis should be supported by at least 4 implants/teeth and a fixed denture by 6 implants/teeth.
- VIII. Pay attention to the sagittal jaw position.
- IX. A "Backward" planning is reasonable in many cases.
- X. Implant-supported superstructures must be passively fitted.
- XI. It is recommended to activate the ceramic implant surface with cold plasma directly before implantation for 2 minutes (you can purchase or rent a handheld cold plasma device from us).
- XII. It is recommended to check the vitamin D3/K2 level of the patient. You can find a measuring device in the Champions Shop.

IMMEDIATE RESTORATION & IMMEDIATE LOADING

Champions® implants can be immediately restored if primary stability at a torque of 30 Ncm is achieved.

The implants can usually be immediately loaded in the following cases ...

- ... If primary stability is achieved with a torque of 30 Ncm.
- ... If a passively fitted denture is fitted on at least 4 implants/teeth.
- ... If there are less than 4 implants/teeth (including a single dental gap), the transition to the secondary osseointegration phase should be ensured. A single crown should be fitted 8 weeks after surgery!
- ... With immediate implantation and MIMI® II (horizontal distraction), the "Erni-test" (tighten up test) should be performed between the 3rd and 4th week after surgery! Here you try to manually "further insert" the implant with the Insertion Aid (without the Torque Wrench) so that the implant is minimally mobile, "manually tightened", and achieves good primary stability, which is possible in about 3–5 % of the cases! **You should not check the percussion sound of the ceramic implant.**

Please Note:

All Champions® implants are to be used and restored only with the original Champions® instruments intended for this purpose such as Drills, Condensers, Insertion Aids, etc.!



The surgery tray includes all necessary tools for placing BioWin! implants.

CONDENSERS AND THE MIMI® I METHOD

For the D1 and D2 bone, a Condenser is neither necessary nor recommended!
Condensers are only used for the D3 and D4 bone for transferring less dense bone to dense bone.



1. After drilling with the yellow drill, the ø 2.4 mm Condenser (long) is used.



2. Then, prepare with the ø 3.0 mm Condenser (long) and the ø 3.8 mm Condenser to allow for lateral bone condensation.



3. If you achieve primary stability at a torque of 20 Ncm by inserting the ø 3.8 mm Condenser, place a ø 4.1 mm implant. If not, prepare the spongy bone with a ø 4.3 mm Condenser.

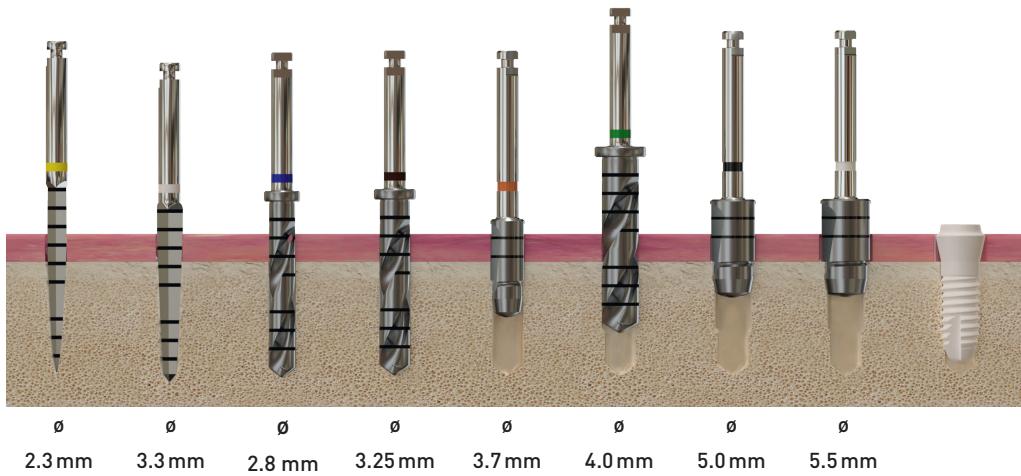


4. If you achieve primary stability at a torque of about 20 Ncm by inserting the ø 4.3 mm Condenser, place a ø 4.5 mm implant. If you do not achieve primary stability of 20 Ncm with this implant diameter, place a ø 5.0 mm BioWin!.

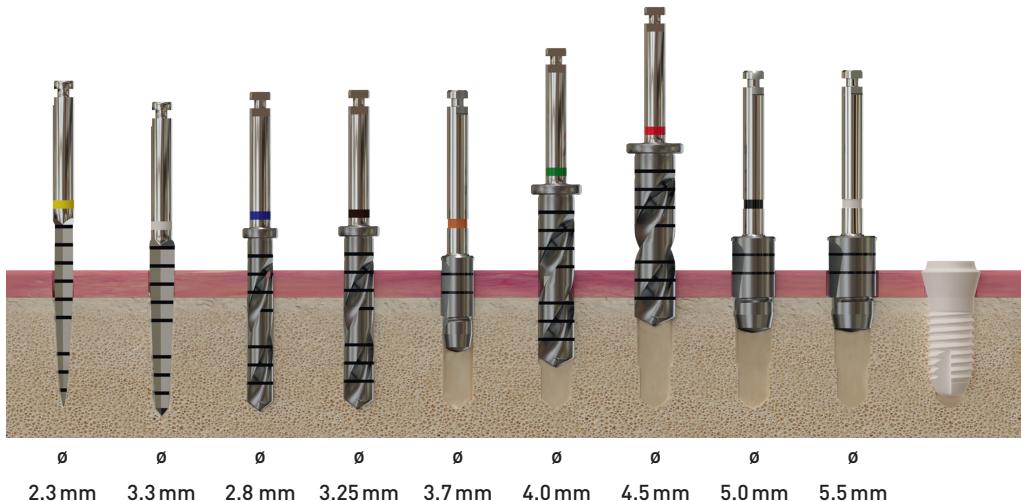
DRILLING SEQUENCES

- I. When using the MIMI® method, proceed in the following way: after administering anesthesia, measure the mucosa thickness with the yellow drill (laser markings start with 2 mm, 4 mm, and 6 mm and continue at 10, 12, 14 mm etc.) until the instrument contacts the bone.
- II. Drill at a maximum of 250 rpm in the cortical bone and 70 rpm in the spongy bone.
- III. If possible, drill in the following way: in the maxilla and mandible, drill 0.5–1 mm palatinally/lingually from the center of the jaw ridge.
- IV. Generally, the whole cavity depth should correspond at least to the length of the Champions® implant, eventually prepared with all drills. Depending on the anatomical conditions and when in some cases, implanting subcrestally, prepare the cavity another 1–2 mm deeper.
- V. For a D3 or D4 bone (e. g. maxilla-posterior site), always drill 2 mm less in bone than the length of the implant to be able to have apical “grip” at 20 Ncm with a ø 3.0 mm or ø 3.5 mm Champions® implant. If you perform an Internal Direct Sinus Lift (IDS), just drill until you reach the more “compact zone”. Then, only use the ø 3.0 mm-Condenser for an indirect sinus floor augmentation (lift) of 2–3 mm.
- VI. After the first and last drilling respectively, perform the “BCC” (Bone-Cavity-Check) in all five dimensions (apical, buccal, lingual, mesial, distal) with a Champions® BCC Probe!
- VII. The Champions BioWin! must be placed at a maximum torque of 30 Ncm.

1a D1 + D2, ø 4.1 mm
Champions® BioWin!
one-piece & two-piece



1b D1 + D2, ø 4.5 mm
Champions® BioWin!
one-piece & two-piece



1C D1 + D2, ø 5.0 mm

Champions® BioWin!
one-piece & two-piece



2 D3 + D4, ø see description on the right*

Champions® BioWin!
one-piece & two-piece



*Please note:

1. After drilling with the yellow drill, use the ø 2.4 mm Condenser.
2. Then, use the ø 3.0 mm Condenser and ø 3.8 mm Condenser for condensing lateral bone.
3. If you achieve primary stability at a torque of 20 Ncm by inserting the ø 3.8 mm Condenser, place a ø 4.1 mm implant. If not, continue to prepare the spongy bone with a ø 4.3 mm Condenser.
4. If you achieve primary stability at a torque of 20 Ncm by inserting the ø 4.3 mm Condenser, place a ø 4.5 mm implant. If you do not achieve primary stability at a torque of 20 Ncm with this implant diameter, place a ø 5.0 mm BioWin!.

We are looking forward to meeting you in the Champions-Forum in Facebook (closed group, **Link: goo.gl/P8EF5Q**) with current messages of international dentists who place our implants.

If you are not a group member yet, you can apply for membership.

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