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Anwendungs- und Sicherheitshinweise für die MEISINGER Implants GmbH - Implantatsystem

OKTAGON® Implantatsysteme (Tissue Level: Regular Profiles, Wide Platform, Tapered Design, Conical / Bone Level: Narrow Connect, Regular Connect, Tapered) Implantate, Abutments, chirurgische, restaurativen und zahntechnische Komponenten/Zubehör.

MEISINGER IMPLANTS

Allgemeine Produktbeschreibung

Implantat

Das OKTAGON® Implantatsystem dient zum Zahnersatz und kann in freie Kieferbrüchen oder in unbezahnte Kiefer eingesetzt werden. Das OKTAGON® Implantat ist aus Rein-Titan Grade 4 gefertigt. Die Oberfläche ist einzelnen Teil ist mikrostrukturiert, die Implantatschulter glattet und die inne liegenden, vorder Schraubenkanal sind mit Titan Nitrid beschichtet. Die Implantatoberfläche ist mit Titan Grade 4 gefertigt. Die Implantatoberfläche ist

the apical region. The coronal cylindrical part of the implant is relevant for the stated intraoseous diameter.

Contraindications

When selecting implant patients, it is important to observe the general medical as well as local, absolute and relative contraindications for dental surgery. Contraindications include serious internal diseases, bleeding disorders, diabetes mellitus, severe metabolic disorders, severe osteoporosis, insufficient bone volume, insufficient bone quality, upper and lower jaw and blood clotting disorders as well as allergies to the materials used (titanium grade 4). Relative contraindications are (as well as bruxerbleeding), bruxism, psychiatric illnesses, medication, drug, alcohol and tobacco consumption as well as insufficient bone supply and poor bone quality, poor oral hygiene and an increased residual tooth structure. In the case of insufficient bone quantity, we recommend the use of currently available augmentation procedures and corresponding literature. An insufficient number, the inadequate length or the faulty positioning of implants can lead to biomechanical strain resulting in loss of implants, fatigue fractures of implants, abutments or prosthetic screws. This should be avoided especially for prosthetic restorations with retentive anchors, an adverse force distribution may lead to a breakage of prosthetic parts.

Treatment planning

The surgical placement of implants needs to be based on comprehensive patient evaluation, careful pre-surgical diagnostics and documented therapy planning. Mistakes in patient evaluation, pre-surgical diagnostics and therapy planning can lead to a poor therapy result.

Healing phase

Mandibular osseointegration tends to take three months, maximilar healing generally takes six months. Depending on bone quality and anatomy, the lengths of these periods can vary. After the healing phase and gingival healing (healing abutment), the prosthetics can be applied.

Implant installation procedure

It is also essential to treat the hard and soft tissue with care case in order to ensure optimal conditions for the osseointegration period of the MEISINGER Implants implant systems. The intervention should be carried out as atraumatically as possible in accordance with the principles of modern implantology. Surgical drills should be used at low speed and with plenty of cooling. Overheating of the bone must be avoided at all costs. Overheating of the bone can lead to a reduction in the bone's ability to heal and to increased bone resorption. Only use sharp drills and replace them as necessary. Implant positioning should be carried out in accordance with the prosthetic requirements. Implants should be placed in a bone bed that provides primary stability. Implants should not be placed in areas with insufficient bone. The operator must ensure that the bone bed drill is sufficiently cooled to avoid thermal trauma, which can prevent successful osseointegration of the implant. We recommend the use of physiological sterile saline solution for cooling purposes. Please observe the instructions for use of the MEISINGER Implants drills. Please observe the correct speed and torque when using the implant drill