

IDS 2023: Innovative further development of the Bone Management® range of products from Hager & Meisinger

Neuss, March 2023 - A wide range of innovations from the Bone Management® range of products awaits guests at the International Dental Show 2023 at the Hager & Meisinger GmbH stand. For the 100th anniversary of the leading trade fair, the highlights include the extension of the Khoury Line and a further development of the bone pin according to Prof. Dr. Istvan Urban.

Manual instruments for more improved hard and soft tissue treatment

With the Khoury-Line, developed in cooperation with Prof. Dr. Fouad Khoury, Hager & Meisinger sets new standards in jawbone reconstruction with autologous bone material. The Bone Management® Systems Micro Screw Basic and Professional as well as the Trepphine Ejection Kit, which are combined in the range of products, are suitable, among other things, for bone augmentation with autologous drill core bone (carrot technique). In order to support the practitioner even better in the context of implant treatment, the Khoury-Line has been expanded by three additional systems.

MEISINGER will be presenting three new systems for hard and soft tissue processing at the International Dental Show 2023. The new Ost-Tray includes a wide range of different manual instruments for oral surgery. In addition to a compilation of manual instruments agreed with Prof. Khoury, the kit contains a custom-designed, powerful Khoury probe, as well as raspatories and sharp spoons agreed with Prof. Khoury.

Another innovation is the sinus tray for use in the external sinus lift. The manual instruments, agreed with Prof. Khoury, support the user in safely detaching and lifting the Schneiderian membrane and inserting the bone replacement material. A bur block, which is also integrated in the kit, offers additional space for supplementary rotating instruments, which are needed for opening the lateral window, for example. MEISINGER offers an irrigation cannula as an option to match the set.

The new soft tissue tray was tailored to the workflow in the context of soft tissue treatment in cooperation with Prof. Dr. Khoury. A special feature is the scalpel blade holder with swivel head included in the set, with which the scalpel angle can be freely adjusted depending on the processing area, which makes handling easier, especially in areas that are difficult to access.

New generation of bone pins according to Prof. Dr. Istvan Urban

The Master-Line developed with Prof. Istvan Urban has been extended by an innovative new development: The Master Pin System Plus provides an additional pin design to choose from in addition to the proven Master Pin for fixing membranes. Thanks to a flat head, the newly developed pin can also be used with thin soft tissue without losing stability. In addition, the flatter head is less noticeable under the soft tissue, which may be associated with higher patient acceptance.

Both the old and the new pin design are characterised by their stability. The pins, made of a Grade 5 titanium alloy, can thus be attached to the cortical bone without bending or breaking. Thanks to their particularly sharp tip and stability, the pins can be inserted securely into the hard tissue with ease, even with an angle.

New membrane for guided bone regeneration

With the new Reinforced dPTFE Mesh, Hager & Meisinger complements its diverse range of regenerative membranes of the Cytoplast™ brand. The concept and design of the membrane was developed together with Prof. Dr. Istvan Urban with the aim of accelerating bone maturation in the context of vertical alveolar ridge augmentation. The non-absorbable membrane combines the principle of the classic titanium grid with a dPTFE membrane. The titanium reinforcement provides long-term space creation, which promotes horizontal and vertical ridge augmentation. In addition, the Reinforced dPTFE Mesh has a unique macroporous design that allows for infiltration of blood vessels into the bone graft. This distinguishes it from dPTFE membranes, which are used exclusively as a physical barrier and have a cell-occlusive effect. This makes it suitable for use in the context of "Guided Bone Regeneration" (GBR), among other things.

Visuals:



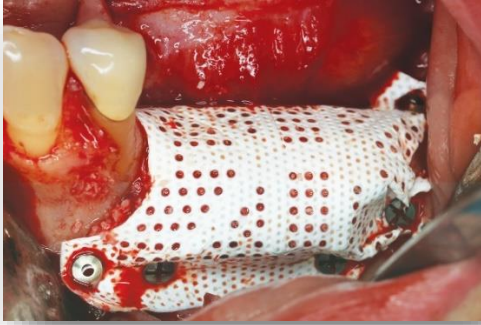
Source of visuals: Hager & Meisinger GmbH

Figure 1: Three new systems have been adapted to Prof. Dr. Fouad Khoury's approach and offer pre-assembled combinations of manual instruments for hard and soft tissue treatment.



Source of visuals: Hager & Meisinger GmbH

Figure 2: The new Master Pin Control Plus includes a new pin with a flat head design that is less noticeable, especially under thin soft tissue.



Source of visuals: Prof. Dr. Istvan Urban

Figure 3: The non-absorbable Reinforced dPTFE Mesh from Cytoplast™ made of high-density dPTFE features titanium reinforcement and a unique macroporous design that allows cell exchange between the bone graft and the periosteum.

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