THE UMBRELLA TECHNIQUE
BIOLOGIC BACKGROUND

Augmentation require a stabilization of the coagulum, “immobile space” and blood supply
TENTING SCREWS IN LITERATURE

Tenting techniques to stabilize particulated bone substitutes are well known”.

Till now small headed micro-screws have been used.


Classical screw heads do support but not provide immobile space predictably – thus resorption processes are unpredictable.
immobile space is provided by the heads of the screws (external diameter 5 mm) safely – in contrary to conventional screw heads
CLASSICAL TENTING TECHNIQUE

classical screw heads have a small diameter and perforate due to resorption of bone substitute
UMBRELLATECHNIQUE

Umbrella screws have a wide diameter inhibit resorption of bone substitute and tent soft tissue up reliably.
UMBRELLA TECHNIQUE

The head of the screw is:
- wide
- flat
- without sharp edges
- the screw is thin to generate a maximum of bone
- is made of surgical steel to ensure it does not osseointegrate
- easy to remove
CONFIGURATIONS

1,2 mm

5 mm

13 mm
11 mm
8 mm
POSITIONING
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POSITIONING
INDICATIONS – DEFECT STABILIZATION
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COMPLICATIONS

BONE BLOCK COMPANY 1
- Healthy: 86
- Exposition: 15
- n = 101

BONE BLOCK COMPANY 2
- Healthy: 42
- Exposition: 21
- n = 63

UMBRELLA ALLOGRAFT COMPANY 2
- Healthy: 128
- Exposition: 2
- n = 130
COMPLICATIONS
CONCLUSIONS

- Reduced surgery time and costs
- Reduced complication rate
- Easy surgery
THANK YOU FOR YOUR KIND ATTENTION!

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