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## The bone preparation block – a interesting instrument in the oral surgery

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Bad Homburg

### Introduction

Augmentation procedures in preimplant surgery use a standard method. For acquisition and processing autologous bone, different methods are used, firstly, by the recovery of bone chips and the other by the recovery of bone blocks. Bone blocks and chips are both brought to the place where they are needed for augmentation, wherein the bone block is fixed by means of osteosynthesis in its final position. For a successful osseointegration not only the safe seat of the bone is important, but also an appropriate contouring in which the graft must be securely fixed.

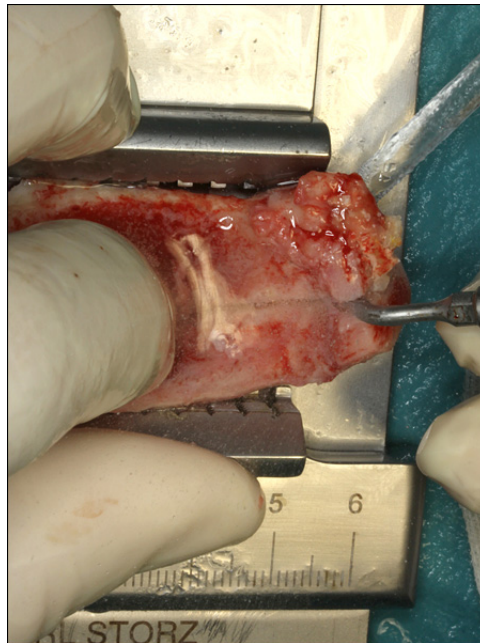


Fig. 1: A bone graft from the pelvis, securely fixed

Fig. 2: Safe handling of a fixed graft

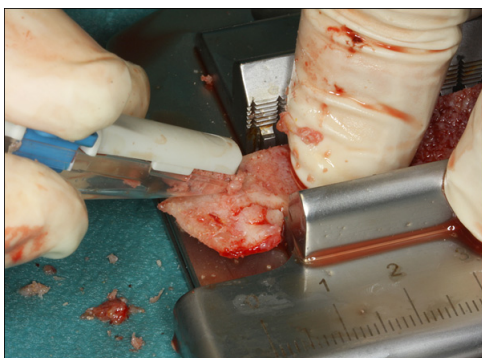


Fig. 3: The bone-scraper at the fixed graft

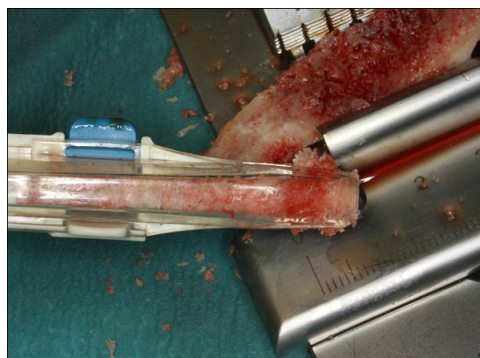


Fig. 4: The bone scraper filled with bone chips

### Material and Methods

By more than 300 patients we used anatomically bone grafts from different places (oral, clavarien, pelvis) with different dimension and worked to help deal with under the exception of the bone preparation block rotating and oscillating outside the mouth. After processing, the introduction was augmented in the situs and fixed with osteosynthesis.

## Results

In all patients the secure fixation of the samples collected and to ensure extra-oral bone graft conturation under water cooling. None of the patients broke the bone or damaged by excessive pressure in texture. Late graft losses were not as well.

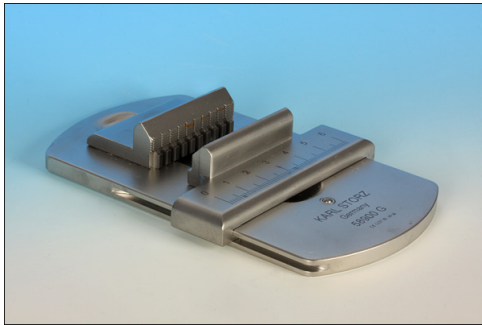


Fig. 5: The bone-preparation block before use

## Conclusions

Safe Stop is a must for the extra-oral work, under water cooling, to augmenting of autologous bone blocks. Even the use of bonescrapers clamped on bone is ensured due to the secure fastening. The bone - preparation block is therefore a useful and necessary complement to the existing augmentation sets.

*This Poster was submitted by [Dr. Marcus Stoetzer](#).*

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## The bone preparation block, – a interesting instrument in the oral surgery

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### Intrudaction

Augmentation procedures in preimplant surgery uses a standard method. For acquisition and precessing autologous bone, are different methods used, firstly, by the recovery of bone chips and the other by the recovery of bone blocks. Bone blocks and chips are both brought to the place where they are needed for augmentation, wherein the bone block is fixed by means of osteosynthesis in its final position. For a successful osseointegration not only the safe seat of the bone is important, but also an appropriate contouring in which the graft must be securely fixed.

### Method

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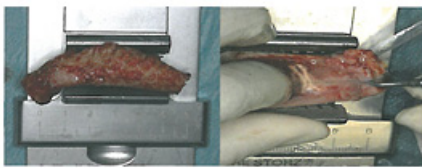


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A bone graft from the pelvis,  
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Fig. 2  
Safe handling of a fixed graft



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The bone-scraper at the fixed  
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The bone scraper filled with bone chips



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