The use of IBS BEB – “Bone Expansion by Bending” technique with Anthogyr Axiom implants in the mandible

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Background: More patients lose their teeth and need dental rehabilitation with implants. The longer time is spent between the loss of teeth and implant surgery will result the loss of more alveolar bone, requiring bone augmentation. Some patients reject bone augmentation, some simply cannot afford it, but still have enough bone to insert implants and have successful rehabilitation with bone expansion.

Aim/Hypothesis: In this poster the authors present their experience with IBS “Bone Expansion by Bending” technique using Anthogyr Axiom PX BL implants.

Material and Methods: Report of three cases – Three middle aged patients (two males and one female) reported to our clinic for dental rehabilitation in the lateral mandibular region. Patients were examined, CB-CT scans were assessed. The bone in the lateral region was adequately high but only 3.5–4 mm wide. Patients were informed about the need for bone augmentation with GBR technique but rejected bone augmentation. The location of available bone made it possible to use a bone expansion technique. These three patients rejected any form of bone augmentation. The location of available bone made it possible to insert implants with bone expansion technique. 8 Anthogyr Axiom PX BL implants were inserted in 3 patients in the lateral molar region of the mandible, using IBS “Bone Expansion by Bending” technique.

Results: The patients were satisfied with the functionality and aesthetics results of their new implant anchored porcelain fused crowns and bridges. The patients were followed up for 2 years. There is no bone loss or any problems with the implants and crowns.

Conclusions and Clinical Implications: For implant insertion in areas of compromised bone the gold standard is bone augmentation with GBR technique. The GBR technique is well documented, safe and widely accepted, despite this, some patients reject the technique for material or other reasons. In cases when the location of available bone is optimal, it’s height is enough and bone width is more than 3.5 mms bone expansion is may be a good alternative to bone augmentation. The IBS BEB technique is minimally invasive, easy to perform and s.