**Objective:** Is it possible to create new bone structures, able to produce an implant-base expected after distalisation of an end standing premolar in the lower jaw?

**Material and Methods:** A modification of distal-jet appliance was taken to distalize an end standing lower second premolar. Is it possible to create enough bone with adequately dense of ossification to enable an implantation; or are conservative prosthetics necessary. The bone structure was analyzed with 3 D-software SIMPLANT®, based on 2-D-CT images. For implantation the area should have at least a Hounsfield-density of 300.

**Measurement of the Implant-bone-density:** The implant surrounding orthodontic created bone has a sufficient density of 516 to 771 HU (Hounsfield Units).

**Results:** The Example demonstrates the advantages of orthodontics to create bone for implant insertion.

After the orthodontic therapy there was enough bone-development with a high ossification density. The result was sufficient to decide for an implant based prosthetics. The Hounsfield-density in the Implant area was 300-500.

**Conclusions:** New modern measure methods supported by 3-D analysis give certainty during involving treatment process.

**The Example demonstrates the advantages of orthodontics to create bone for implant insertion.**