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## Migration of dental element for prosthesis with "Veltri's expansive screw"

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### THE OBJECTIVE OF INVESTIGATION

In prothetic treatments the need of having to distalize or mesialize dental elements is very frequent in order to be able to use them as "abutment" bridge.

The method with a "new Veltri's expansive screw" set up by us let one or more dental elements on upper arch migrate orthodontically with advantage both for patient and for the forecast of a result.

### METHOD USED

Our device is made of a palatal central screw (Veltri's screw) from which four brackets extend where bands are soldered. This device is transferred to one or more dental elements both in sagittal way (mesial or distal) and in transversal way. The monolateral migration is obtained by anchoring three dental elements whereas the fourth one is free in order to be transferred in necessary.

The bilateral migration is obtained by anchoring two dental elements and transferring the other two or moreover mesializing one or more elements from one side and distalizing one or more elements from the other side that is rotator migration.

24 hours later the application in the oral cavity the activation of Veltri's device takes place. The activation consists in carrying out two quarter turn ( $2/4$ ) a week that is 0,50 mm.

Such strength determines a checked distal or mesial shift of the upper teeth.

Over a month 2 mm checked distalization is obtained ( $0,25 \text{ mm} \times 8 = 2 \text{ mm}$ ).

### RESULTS

Veltri's device for bio-or-monolateral distalization of upper molar and premolar teeth offers the following advantage: checked and foreseeable distalization of molar and premolar teeth; upper arch anchorage; control ease from orthodontist; passive collaboration of patients; body shift of dental element with a rimodelling of dental parodontal complex.

### CONCLUSION

Veltri's device is a simple and precise method for the migration of molar and premolar teeth with patient's passive collaboration.