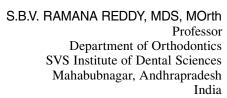
OPERRISO

Twisting Ligature Wires for Lingual Retainers

We have developed a technique for precisely twisting ligatures to fabricate lingual retainer wires, using a modified micromotor handpiece. The steps are as follows:

- 1. Cut the bur end from the shaft of a used bur (A).
- 2. Bend a hook from .036" stainless steel wire (B) and solder it to the cut end of the bur shaft (C).
- 3. Insert the hooked shaft into the handpiece, then attach the doubled end of a length of .009" ligature wire to the hook while grasping the two loose ends tightly with a Mathieu needle holder (D). Engage the handpiece motor at a slow setting to produce a twisted wire (E).

This technique produces uniformly twisted retainer wires much more consistently and quickly than can be done manually.





MADHUKAR REDDY RACHALA, BDS, MDS Senior Lecturer mrachalaortho@yahoo.co.in



KALADHAR REDDY ALINENI, MDS Professor









