

INSTRUCTIONS FOR USE : LUXATING ELEVATORS



- LUX0003S - 3mm Straight Luxating Elevator
- LUX0003C - 3mm Curved Luxating Elevator
- LUX0005S - 5mm Straight Luxating Elevator
- LUX0005C - 5mm Curved Luxating Elevator
- 24.923.10 - Sharpening Stone

Important Information

- To achieve optimal results, Luxating Elevators should be applied primarily on the mesial and distal aspects of the root, avoiding the thin buccal plate.
- For ease of application and visualization at the surgical site, any remaining coronal structure present should be removed.
- While some superior movement will be noticed during the application of the instruments, at no time should any type of conventional elevation techniques be used, as the tips of the instruments will not withstand extreme rotational or leverage type forces.
- Luxating Elevators are used ONLY for severing the periodontal fibers and expanding the alveolus in the mesial and distal directions, thereby reducing the amount of force needed to withdrawal the root structure from the socket. They are NOT for directly elevating the root structure.

Method of use

The base of the Luxating Elevator is held firmly in the palm of the hand while the tip is steadied by resting the index finger about $\frac{3}{4}$ of the way up the shank. This grasp allows the operator precise manipulation of the tip during application.

The other hand should be used to support the surrounding bone structure and tissue of the operative site by placing the thumb and index fingers on the buccal and lingual of the alveolar ridge. If the tooth being extracted is in the mandible, the other fingers should be used to support the jaw to prevent the placement of stress on the TMJ.

Initially, the tip of the Luxating Elevator is placed superior to the periodontal space of the tooth being extracted and manipulated into the PDL space using slight apical pressure and minimal rotation along the axis to expand and define a purchase point.

After the insertion point is defined, the appropriate Luxating Elevator should be selected according to access and, using palm pressure, the tip of the instrument should be pressed into the PDL space in an apical direction, along the root surface.

If the instrument does not advance freely, a slight axial rotation (less than 5 degrees) will help to 'walk' the tip further apically. Once a section of the PDL is severed, and the bone expanded, the instrument should be withdrawn from the site, then applied in the same manner on an adjacent section of the PDL, until the ligament has been fully severed, and the surrounding bone compressed.

After the Luxating Elevators have been utilized, forceps may be applied for the final withdrawal of the root structure from the socket.

REMEMBER: Luxating Elevators are Luxating Elevators, NOT regular elevators. They are ONLY used apically to sever the PDL. The thin tip is not designed for standard elevation forces. If used like an elevator it most likely will break, chip, or bend the tip

The tips of the Luxating Elevators should be sharpened when apical progress requires noticeably more force, The stone itself is autoclaveable, so sharpening can be preformed chairside.

The round, medium grit Arkansas stone will sharpen the instruments quickly, so only a few (3) strokes with light to moderate pressure along the stone is required. No lubricant is needed during sharpening, however the tips should be wiped with sterile gauze after sharpening to remove any particles.

To Sharpen:

- The Luxating Elevator should be held in the dominant hand, the stone in the other.
- The concavity of the tip should be placed flat against the curvature of the stone.
- The handle of the Luxating Elevator should be adjusted so that the tip itself is angled 15 to 25 degrees in relation to the stone. This angle is important to keep the tip both sharp AND thin.
- The tip of the Luxating Elevator is then PUSHED down the stone, making sure to keep the tip centered with the long axis of the stone.

At the end of the stroke the tip is repositioned at the starting point, and the prior steps are repeated until the desired sharpness is achieved.

DO NOT 'pull' the Luxating Elevator tip along the stone. This will leave a very fine bur at the tip, reducing not only the initial sharpness, but the length of time between sharpenings.

USE ONLY A PUSHING STROKE TO ACHIEVE THE BEST RESULTS

Proper Sharpening of the Luxating Elevators

