

Thinner Is Better

- Review of the new LM-SlimLift luxating instruments

 By Roosa Prinssi, DDS, Product Manager at LM-Dental

LM

feel the
difference

The luxating instruments are designed for more atraumatic tooth extraction; they can be used to perform a tooth extraction while preserving the tissue and the alveolar bone. An atraumatic extraction is important for fast healing of the tissue. Implantation also becomes easier. Luxating instruments can be used to extract a tooth from the alveolar socket and periodontal ligaments, possibly even without other extraction instruments. A fast and smooth extraction is also less stressful for the patient.

Teeth that are to be extracted are typically already damaged, for example by caries or periodontitis. Therefore, choosing the correct extraction instruments does make a difference. An instrument that has the right shape and correct size makes the work easier and safer.

The tips of the LM-SlimLift luxating instruments (periosteal style tips) are very thin—they have been designed with the clinicians in mind. LM-SlimLift periosteal style luxating instruments are more elegant than the old luxating and elevating instruments and are very effective in clinical situations where other luxating instruments are not up to the task. Thanks to the

LM-SlimLifts' optimal sizes and sharp tips, they fit well even into the tightest periodontal spaces. The instrument's thin tip is moved slowly toward the tip of the root in the periodontal space by gently turning it vertically back and forth. The tip should be kept in as axial a position as possible toward the root of the tooth while observing the morphology of the root. The rotating and cutting motion is performed on the tooth from different sides until the root has enough room for it to come out of the socket.

The ergonomic design and the large diameter handle provide the practitioners with the necessary support for luxation. The shape of the handle fits the hand well

and it is easy to hold between the fingers. LM-SlimLifts' handles have a non-slip surface material providing a comfortable and secure grip. All LM-SlimLift instruments are color-coded and clearly marked corresponding to their blade size. This allows quick and easy identification of the right instrument. The LM-SlimLift instruments are available in both straight and curved shank designs. Different size tips and the two shank options fit morphologically different teeth and adapt to all directions of the dental arch. Available blade widths are 3 mm, 4 mm and 5 mm.

The use of luxating instruments differs from the elevators. Incorrect use, for example twisting or use of excessive force, may damage the tip of the instrument. 



The very thin tip design enables the most atraumatic extractions.



LM-SlimLift use instructions:

1. Position the tip into the periodontal space in as axial a position as possible in relation to the root.
2. Continue by moving the tip slowly toward the apical part by pressing and turning the instruments as well as gently moving it back and forth. The bone of the alveolar socket will compress releasing the tooth out of its socket.
3. Repeat the procedure from different sides of the tooth if needed.
4. If the tooth remains intact and more leverage is needed to extract it, please *do not twist* with LM-SlimLift - choose the force resistant LM-TwistOut instrument in this situation.



Reminder:

The tip of the LM-SlimLift instruments has been designed to be very thin to enable more atraumatic extractions. Using excess force and wrong extraction technique may damage the tip.



Thin LM-SlimLift instruments - a genuinely more atraumatic solution

"I use the LM-SlimLift instruments currently for nearly all extractions.

LM's thin luxation instrument can enter even particularly narrow periodontal spaces. When wide instruments are used, the luxating force is spread over a wider area to the sides and deeper towards the tip of the roots so that the fracturing risk of the fragile roots, in particular, is limited considerably. The majority of extractions can be performed with luxating instruments without the need of other operative measures.

The design and material of the LM-SlimLift instrument handles provide an excellent grip on the instrument. In clinical work, I have noticed, they fit the hand perfectly. These instruments can be held either on the palm of your hand or only on your fingers. It is easy to pick

a suitable instrument for any clinical need from the current size selection. The wider blades are appropriate for the extraction of the lower molars while the narrow tips are perfect for the narrow roots of the upper teeth.

I recommend the LM-SlimLift instruments for all dentists: It makes sense to upgrade the old and poorly functioning instruments altogether."

Peter Jungell
MD, DDS, D.Med.Sc, Oral Surgeon

