- Review of the new LM-SlimLift luxating instruments

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he luxating instruments are designed for atraumatic tooth extraction: they can be used to perform a tooth extraction while sparing the tissue and the alveolar bone. An atraumatic extraction is important for fast healing of the tissue. Later implantation, for instance, also becomes easier. The 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.

Since the teeth that are to be extracted are usually already damaged, for instance by caries, periodontitis or they are otherwise particularly fragile, the extraction instruments make a difference. An instrument that has the right shape, size and used correctly makes the work safer.

The tip of the LM-SlimLift luxating instruments is particularly thin all over. It has been designed with clinicians' wishes in mind so that it is more elegant than the traditional luxating instruments and comes in handy in clinical situations where other luxating instruments are out of the question. Thanks to its optimal size and its sharp tip, it fits well even the tightest periodontal spaces while damaging the surrounding tissue as little as possible. The thin tip is moved slowly toward the tip of the root in the periodontal spaces by gently turning it back and forth vertically. The tip must be kept in as axial a position as possible in relation to the root of the tooth while observing the morphology of the root. The same rotating motion is performed on the tooth from different directions until the root has enough room for it to come out of the extraction socket.

The ergonomic design and the thick handle provide the clinicians with the necessary support for luxation.



The shape of the handle fits the hand and it is easy to hold between the fingers. The surface material on the handle does not slip and provides a tight grip. The LM-SlimLift set is colour-coded, which makes it easier to tell the appropriate size and tip. The instruments are available either in straight or curved versions. The different tips fit morphologically different teeth and all directions of the dental arch.

The use of luxating instruments differs from the elevators. The wrong kind of use, for instance twisting or use of excessive force, may damage the tip of the instrument. It is important to follow the manufacturer's instructions.

The very thin design of the tip makes it possible to perform even the most atraumatic extractions.



This is how you use the LM-SlimLift and LM-LiftOut instruments.

- 1. Move tip to the periodontal space in as axial a position as possible in relation to the root.
- Continue by moving the tip slowly towards the apical part by pressing and turning it at the same time gently back and forth. The bone of the alveolar socket is compressed so that the tooth can come out of its socket.
- 3. Repeat the procedure from different sides of the tooth if needed.
- 4. If the tooth still remains stuck and levering is needed to extract it, choose the force-resistant LM-TwistOut instrument.

Note:

The tip of the LM-LiftOut and LM-SlimLift instruments has been designed so it is particularly thin in light of the object and method of use. The wrong extraction technique, excessive force or twisting may damage the tip.

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Thin LM-SlimLift instruments a genuinely more atraumatic solution

"I use the LM-SlimLift instruments currently for nearly all extractions. I also use my older preferred luxating instruments while the use of the traditional ones has become less frequent.

LM's thin luxating 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 any need for any other operative measures.

The design and material of the LM-SlimLift instrument make it possible to get an excellent grip on the instrument. At first touch, the handles may even feel too big but in clinical work I have noticed they fit the hand perfectly. The instrument can be held either on the palm of your hand or held only with your fingers. It is easy to pick a suitable instrument for any clinical need from the broad size selection. The wide blades are appropriate for the extraction of the lower molars while the narrow tips are perfect for instance for the extraction of the narrow roots of the upper teeth.

I can recommend the LM-SlimLift instruments for all dentists: it makes sense to abandon the old and poorly functioning instruments altogether. Too often you hear of cases where the treatment of the root has taken close to two hours."

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