MOSES™
TECHNOLOGY

“My experience with the Moses technology shows that it is a true breakthrough in Holmium laser lithotripsy, demonstrating enhanced accessibility and significant reduction in retropulsion.

I am keen to continue my clinical work and further explore the potential procedural efficiency of the Moses technology”.

Prof. Mostafa Elhilali

McGill University Health Center,
Dept. Of Urology, Montreal, Canada

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References:

1. Ibrahim A., Carrier S., Andonian S., Elhilali M. Evaluation of the New Moses Technology of Holmium Laser Lithotripsy: Initial Clinical Experience. Abstract presentation at EAU 2017
2. American Urological Association (AUA) and European Association of Urology (EAU) Guidelines
3. Bench test results may not necessarily be indicative of clinical performance
4. Elhilali M., Badaan S., Ibrahim A., Andonian S. Use of Moses Pulse Modulation Technology to Improve Holmium Laser Lithotripsy Outcomes: A preclinical study. Abstract presentation at AUA 2017
5. Bader MJ, Eisner B, Porpiglia F, et al. Contemporary management of ureteral stones. Eur Urol. 2012;61(4):764-772
6. Use of the Moses Technology to Improve Holmium Laser Lithotripsy Outcomes: A Preclinical Study, Elhilali et al. J Endourol. 2017 Jun 1; 31(6): 598-604.

Moses™ Technology US patent number - 9895196 B2

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Reframing the Laws of Physics

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MOSES™ TECHNOLOGY

Understanding the challenges of laser lithotripsy

While Holmium lithotripsy is well established as the preferred treatment for urinary stones[2], some challenges still persist:

Reduced energy transmission

Holmium's high level of absorption in water results in limited delivery of laser energy.

Unfriendly and costly fiber experience

Burdensome and time consuming process of fiber insertion through a flexible scope is needed to avoid scope damage.

Retropulsion and stone migration

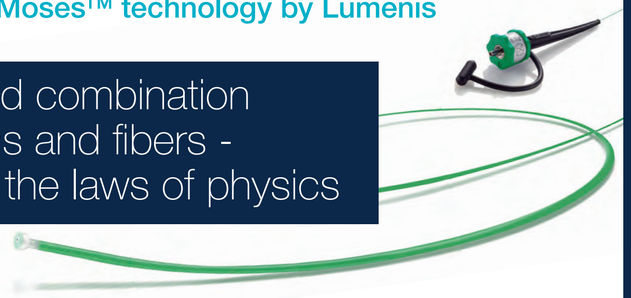
The retropulsion effect created by the Holmium pulse reduces physician's control and may cause the stone to rotate or slip to difficult locations.

Limited access

Stones are often located in hard-to-access areas within the kidney, making it difficult to reach and treat them.

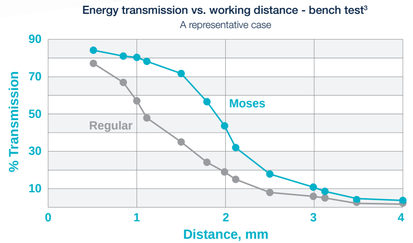
Introducing Moses™ technology by Lumenis

A patented combination of systems and fibers - reframing the laws of physics



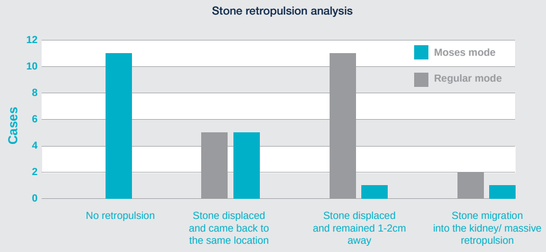
Experience optimized energy transmission

Groundbreaking pulse delivery technology remarkably improves energy transmission, overcoming energy reduction in working distances[3]



Minimum retropulsion - maximum control

Moses technology significantly reduces retropulsion during lithotripsy and minimizes stone migration, resulting in better physician control[1,5] Pre-clinical experience suggests that minimzed retropulsion may also lead to shorter procedure time[1,5]



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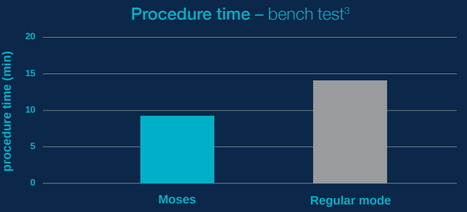
Better efficiency and shorter procedures

With greater impact and minimized retropulsion Moses results in up to 35% reduction in procedure time[6]

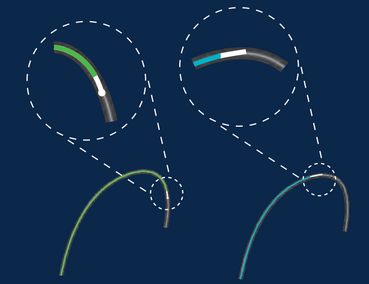


State of the art fibers

Moses tailored premium fiber range of 200, 365 and 550 D/F/L fibers designed for optimal energy transmission and durability.

Smooth process - more confidence

Advanced ball-shaped tip enables a smooth initial insertion of the Moses 200 D/F/L through a flexible scope, and designed to minimize potential scope damage.



Risk Information

The use of the Moses technology, the Moses fibers and the Lumenis Pulse 120H in urology is contraindicated for patients who are unable to receive endoscopic treatments or are intolerant to prolonged anesthesia, as well as for resection or excision of large vascularized organs. Holmium lasers are intended solely for use by physicians trained in the use of the Ho:YAG (2.1 µm) wavelength.Incorrect treatment settings can cause serious tissue damage. The laser should be used only on tissues that are fully observable. See the system user manual for a complete list of contraindications and risks.

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