



Lumenis Pulse™ 120H Holmium Laser System
with MOSES™ Technology

All-in-one urology laser platform

Lumenis Pulse™ 120H with MOSES™ Technology


The MOSES Technology advances the next generation of Lithotripsy and BPH treatments by leveraging versatility, speed and power.^{1,2}

▶ Increased Efficiency^{3,4}

▶ Optimal Energy Delivery^{3,5}

▶ Comprehensive Versatility for Urology Procedures

▶ Demonstrated Economic Value^{6,7}



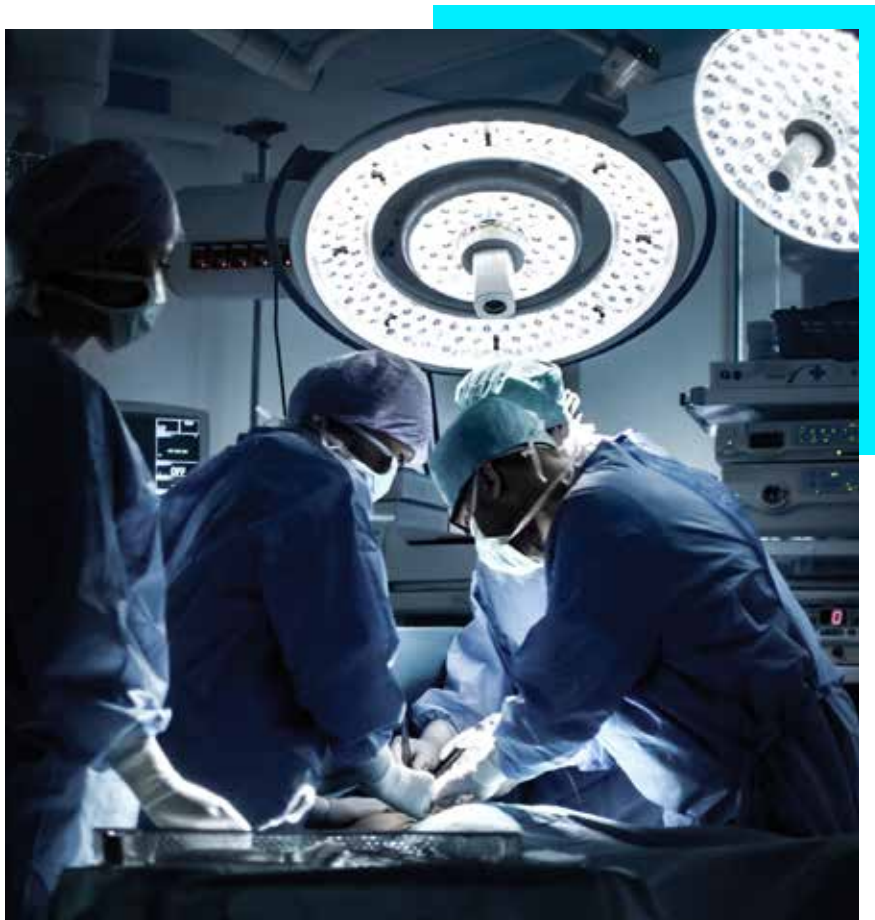
▶ The second part of the pulse is then emitted through the initial bubble, delivering an optimized laser pulse to the target.

▶ The initial controlled laser pulse separates the water, creating a pathway for a second laser sequence.

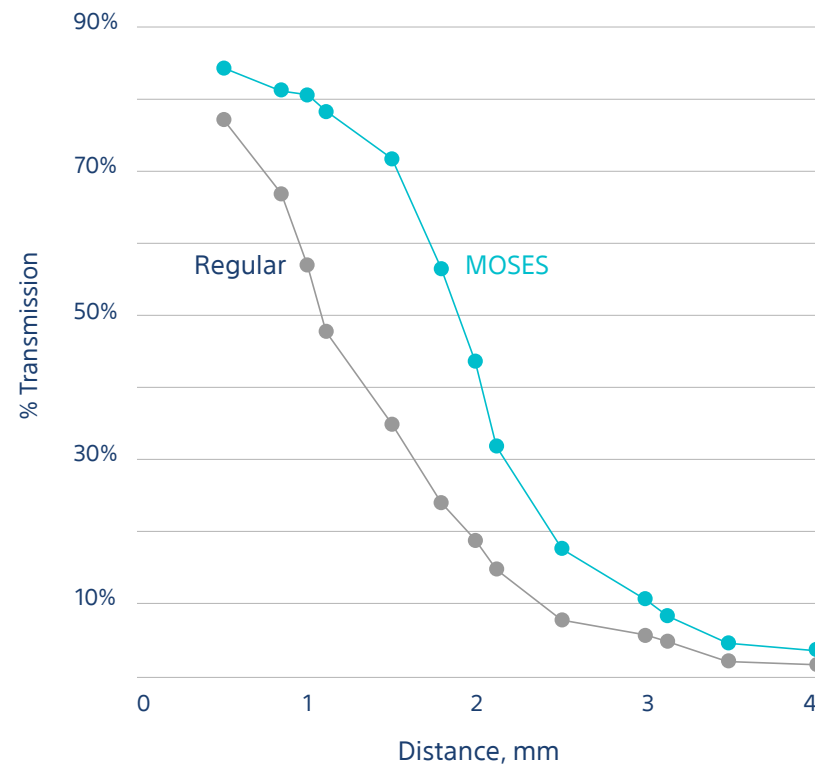
MOSES™ Technology for Lithotripsy

Improving the gold standard for laser lithotripsy⁸

Be it a kidney, ureteral or bladder stone, soft or hard - MOSES Technology provides you with the speed and power you need for both ureteroscopic and percutaneous stone treatments.^{*,3,9,10,11}



Efficient energy transmission for each working distance^{**12}



Bench test, a representative case^{*,12}
BSC recreated graph¹²

*Bench test results may not necessarily be indicative of clinical performance.

** Compared to standard holmium.

Lithotripsy Performance, Unleashed

Embrace best-in-class combination of the MOSES™ laser and fibers



20% Faster procedures

As shown in a randomized clinical trial, the MOSES Technology reduces procedure time by 20%, making your treatments faster and more efficient.³

33% Improved fragmentation efficiency

MOSES Technology high precision and optimized impact on the target stone makes the most of every shot, leading to a greater ablation rate compared to regular pulses.³

50% Reduced retropulsion

The MOSES Technology has taken retropulsion reduction to the next level, decreasing retropulsion levels by 50%.³

80_{Hz} Comprehensive stone management

From ultra-speed stone dusting, through unprecedented pop-corning settings - MOSES Technology offers the speed and energy you need - when you need it .

Holmium Laser Fiber Line

Available in multiple diameters, our single-use and multi-use fibers include the MOSES™, Slimline™ and Xpeeda™ dedicated families of fibers, and designed to offer you a full range of urological procedures.*

Available diameters

200, 365, 550 and 1000 μm



Leave no stone behind

MOSES™ and Slimline 200 D/F/L fibers are designed to minimize scope deflection loss, and enable users to reach difficult-to-access stone locations.



Smooth fiber insertion

Advanced ball-shaped tip is designed to facilitate initial insertion through a flexible scope, and designed to minimize potential scope damage.**



Secure Identification System (SIS) technology

Integrated within the fiber, the SIS technology enables compatible system detection of which fiber has been connected and allows the device to adjust emission settings based on the connected fiber diameter.

** Applicable for MOSES™ 200 D/F/L and Slimline™ 200 D/F/L only



HoLEP with MOSES™ Technology:

Shifting paradigms


HoLEP provides excellent and durable clinical outcomes (PVR, Qmax, IPSS and QoL) with a reoperation rate as a result of recurrent obstruction from residual adenoma of only 0.7% at 10-year follow-up.¹⁶


Moreover, HoLEP demonstrates better outcomes with regards to hemoglobin loss, bladder irrigation, catheterization time, hospital stay and blood transfusion.^{*17}

The groundbreaking MOSES Technology offers an efficient treatment for a wide range of patients including a broad range of prostate sizes and patients treated with anticoagulants.^{2,18}

*HoLEP vs. TURP

 **90+**%
Same-day
Discharge⁵

 **40**%
Faster
Hemostasis^{**5}

 **15**%
Faster
Enucleation^{**5}

**Compared to standard holmium.

MOSES™ Technology for HoLEP

Versatility for different prostate sizes,
patients, techniques¹⁸⁻²⁰



90+% same-day discharge, 90% same-day catheter-free success rate*

With more efficient procedures and significantly reduced blood loss – MOSES Technology for BPH results in over 90% of patients being discharged on the same day, and same-day catheter removal has been demonstrated with a 90% success rate.^{2,4,5}

*In select patients



Demonstrated economic value**

HoLEP with MOSES Technology demonstrated \$721 lower cost of fiber and operating room time per case, compared to standard high power HoLEP, due to lower mean operative time.⁷

**Randomized study of 56 patients. Assumes MOSES fibers at \$119 premium to SlimLine™ fibers; cost of operating room time per minute assumed at \$37.





Faster procedures

With 15% faster enucleation and 40% faster hemostasis* – MOSES™ Technology for BPH provides the ability to cut and cauterize, which can significantly reduce surgical time and overall operating room time.⁵



Faster learning curve

The MOSES Technology allows the ability to learn the HoLEP technique, and build confidence after 20 procedures supervised by an experienced urologist.²¹

With faster hemostasis, MOSES Technology for BPH can enable a tapered learning curve by providing better vision clarity and control during the procedure.^{*5,22}

*Compared to standard holmium.

"With Moses the learner can focus on mastering HoLEP without distractions. Minimal fiber burnback and movement, and improved hemostasis decreasing surgery interruptions and allowing for more precise laser control."

Dr. Amy E. Krambeck
Professor of Urology, Northwestern Medical

A Powerful MOSES™ Technology Solution for Vaporization²³



Higher vaporization rate and efficacy

Holmium laser vaporization of the prostate (HoLVP)* with MOSES Technology demonstrates 95%** higher ablation efficiency compared to standard HoLVP, translating into time savings in the operating room.²³



Long-lasting results***

HoLVP demonstrates durable results of 83%. Qmax improvement and 47% decrease in AUA score.²⁴



Maintain hemostasis

Holmium laser provides precise and quick vaporization of tissue with the ability to maintain hemostasis without thermal injury to tissue.^{25,26}

*HoLAP (ablation) was recognized and used interchangeably with HoLVP (vaporization) in the AUA guidelines through 2011 and the EAU guidelines through 2014.^{27,28}

**BSC Calculations: 0.91 ± 0.54 g/min vs 1.77 ± 1.41 g/min, P= 0.01

***Study of 7 years, compared to baseline, N=34.

Technical Specifications

Lumenis Pulse™ 120H Holmium Laser with MOSES™ Technology

MOSES Technology	Lithotripsy & BPH	Fibers	Reusable and single-use fibers
Maximum Optical Power	120 W	Smart Identification System (SIS)	Yes
Wavelength	Holmium (2.1 µm)	Aiming Beam	Green
Repetition Rate	5-80Hz	Fiber Support Arm	Optional
Pulse Energy	0.2-6 J	Weight	260 kg
Integrated Suction	Yes	Dimensions [W / L / H]	47 x 116 x 105 cm
Case Saver Mode	Yes	Voice Confirmation Indicating System's Operational Status	Yes
Dual Pedal Footswitch	Yes	Electrical	200-240 VAC, <46 Amp, 50/60 Hz
Pulse Width	Adjustable (Short, Medium, Long)	Warranty	One year parts and labor

Risk Information:

The use of MOSES Technology in Urology, enabled in the Lumenis Pulse 120H system, 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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