

MOSES™

TECHNOLOGY

2.0

Surgical Excellence, Redefined

Introducing:

MOSESTM
TECHNOLOGY

2.0

Making the best **even better**

➤ Significant Economic savings^{9,23}

➤ Increased Efficiency^{1,9}

➤ Higher Precision^{1,9}

➤ Optimal Energy Delivery^{1,9}

The second part of the pulse is then emitted through the initial bubble, delivering an optimized laser pulse to the target.¹

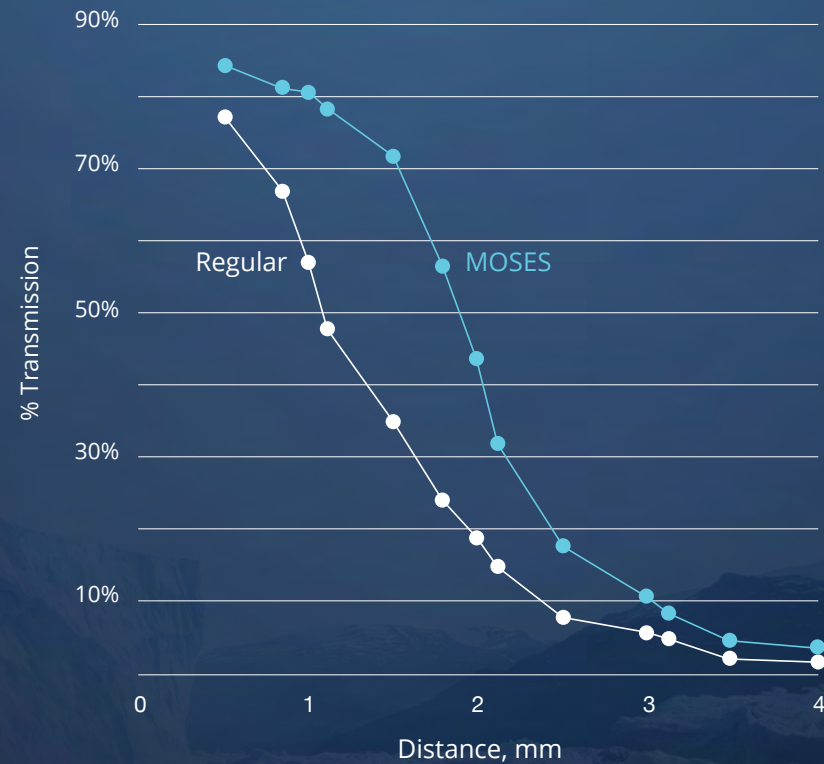
The initial controlled laser pulse separates the water, creating a pathway for a second laser sequence

MOSES 2.0 Laser Lithotripsy

Continuous innovation

Be it a kidney, ureteral or bladder stone, soft or hard - MOSES 2.0 provides you with the speed and power you need for both ureteroscopic and percutaneous stone treatments¹

Efficient energy transmission for each working distance



Bench test, a representative case^{2,3}

Lithotripsy Performance, Unleashed

Embrace the Best-In-Class Combination of the MOSES 2.0 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.¹



33%

**MORE EFFICIENT
FRAGMENTATION**

MOSES 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.¹



50%

**LESS
RETROPULSION**

The MOSES Technology has taken retropulsion reduction to the next level, decreasing retropulsion levels by 50%.¹



120_{Hz}

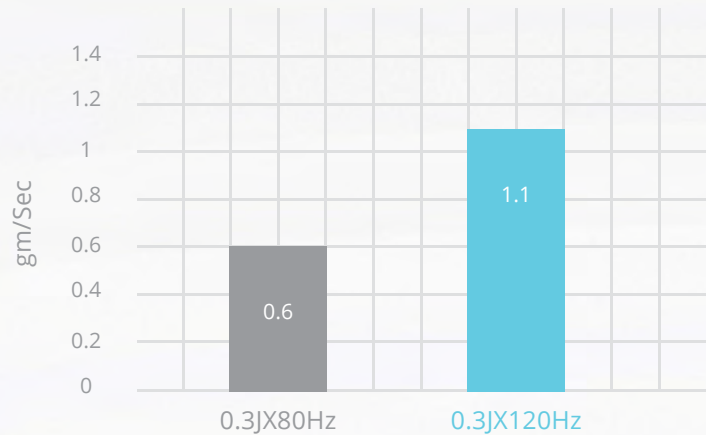
**END-TO-END
EXCELLENCE**

From ultra-speed stone dusting, through unprecedented pop-corning settings - MOSES 2.0 offers the speed and energy you need - when you need it.³

MOSES 2.0

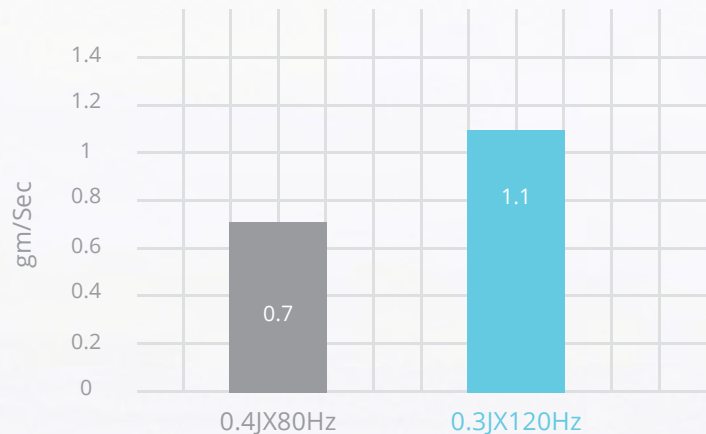
Increased efficiencies

85% greater stone ablation at 120Hz



Bench test, a representative case³

53% greater stone ablation at similar power

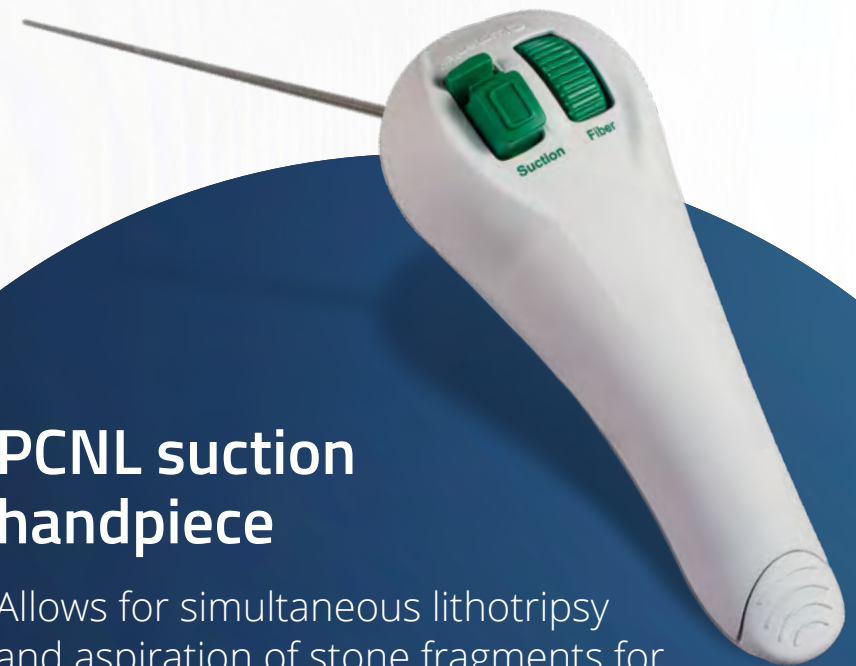


Bench test, a representative case³

Focus on what matters in your percutaneous approach

Standard, Mini and UltraMini PCNL

Leverage MOSES' advantages to create smaller stone particles, allowing you to miniaturize your percutaneous access.⁴



PCNL suction handpiece

Allows for simultaneous lithotripsy and aspiration of stone fragments for greater control in Standard PCNL.^{5,6,7}



LEAVE **NO** STONE **BEHIND**

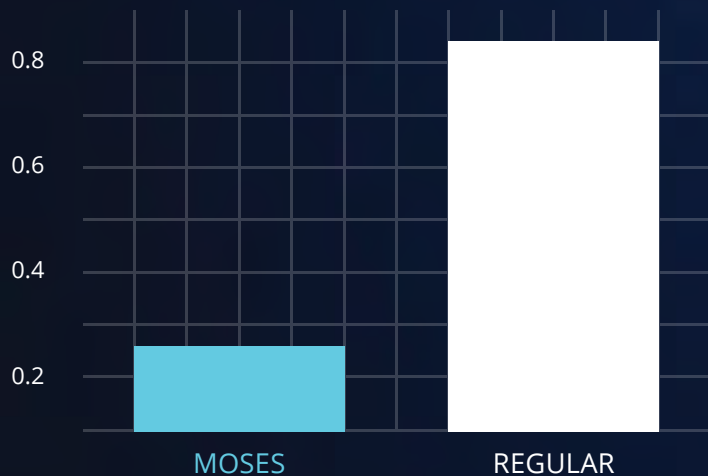
MOSES 200 D/F/L flexible fiber is designed to minimize scope deflection loss^{1,8}, enabling you to reach difficult-to-access stone locations.



SMOOTH PROCESS **MORE** CONFIDENCE

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

Fiber Tip Degradation (mm)

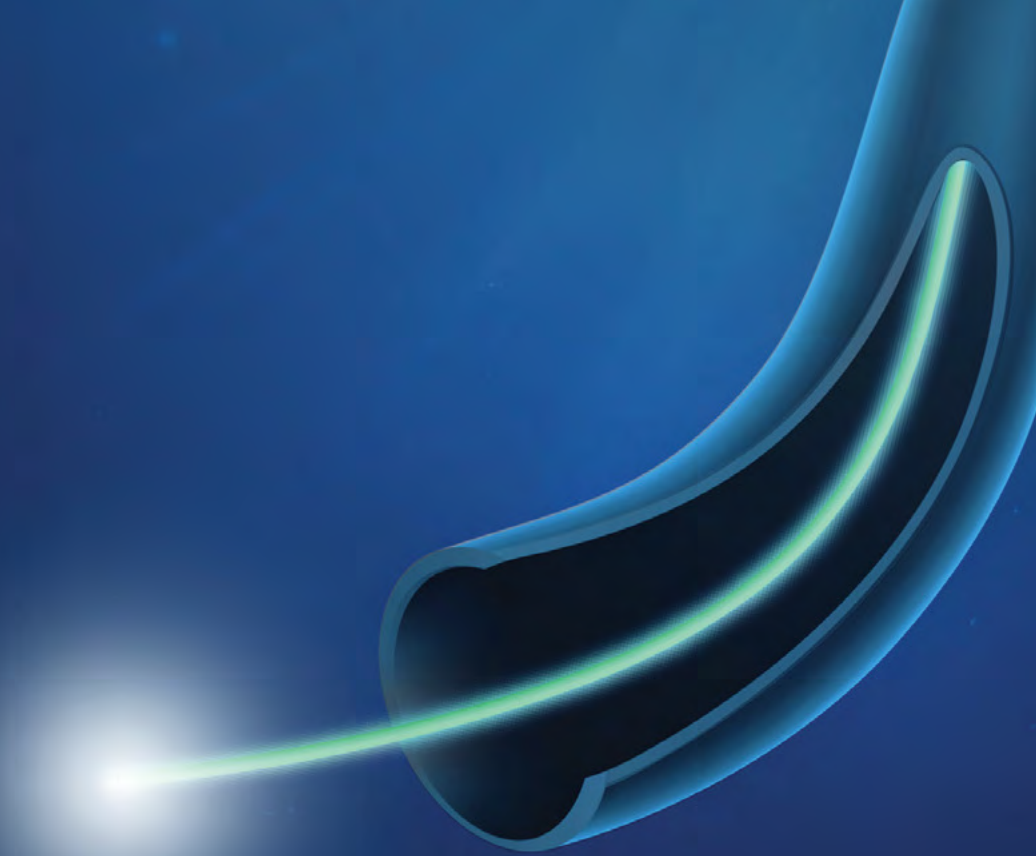


Bench test, a representative case³



IMPROVED FIBER **DURABILITY**

The unique MOSES pulse, combined with best-in-class surgical fibers, results in minimal fiber burnback and improved control.³



MOSES 2.0 BPH

Shifting paradigms

Cementing HoLEP as the clinically superior treatment for BPH, the MOSES technology enables same day Catheter Free discharge, and faster procedures.^{9,10,11}

The MOSES BPH bubble is a unique optimization for BPH procedures, improving capsule-adenoma separation and blood vessel coagulation.⁹

 **90+**%
Same Day
Discharge⁹

 **40**%
Faster
Hemostasis⁹

 **15**%
Faster
Enucleation⁹

MOSES 2.0 for HoLEP

Make an impact that lasts



Same Day Discharge, Catheter Free

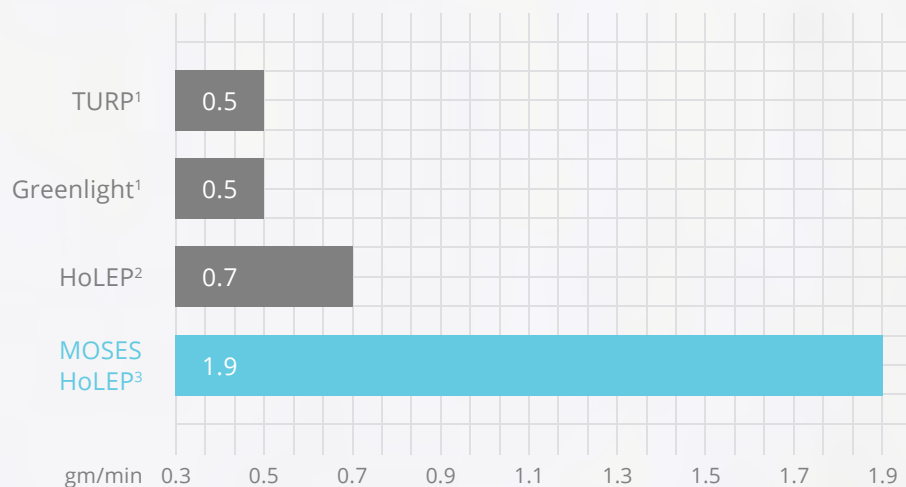
With more efficient procedures and minimal bleeding – MOSES BPH results in over 90% of patients being discharged on the same day, and with better bladder voiding outcomes.⁹



Faster Procedures

With 15% faster enucleation and 40% faster hemostasis – MOSES BPH simultaneous cutting and cauterizing significantly reduce surgical time and anesthesia use.⁹

Enucleation efficiency ^{9,12,13}





Faster Learning Curve

Become adept at the HoLEP technique after only 20-30 supervised procedures.¹⁴

With less fiber burnback and improvements in hemostasis - MOSES enables a tapered learning curve by providing better vision clarity and control during the procedure.⁹



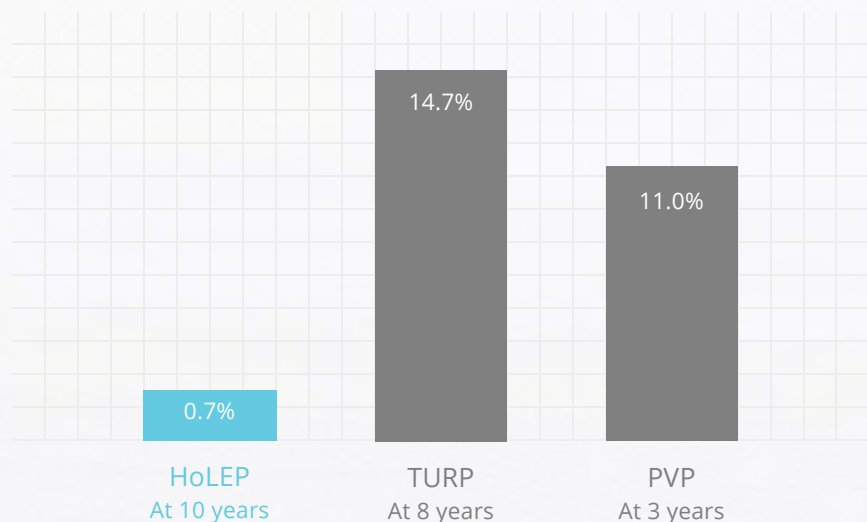
With Moses 2.0 the learner can focus on mastering HoLEP without distractions. Minimal fiber burnback and movement and improved hemostasis decreasing surgery interruptions and allowing for more precise laser control



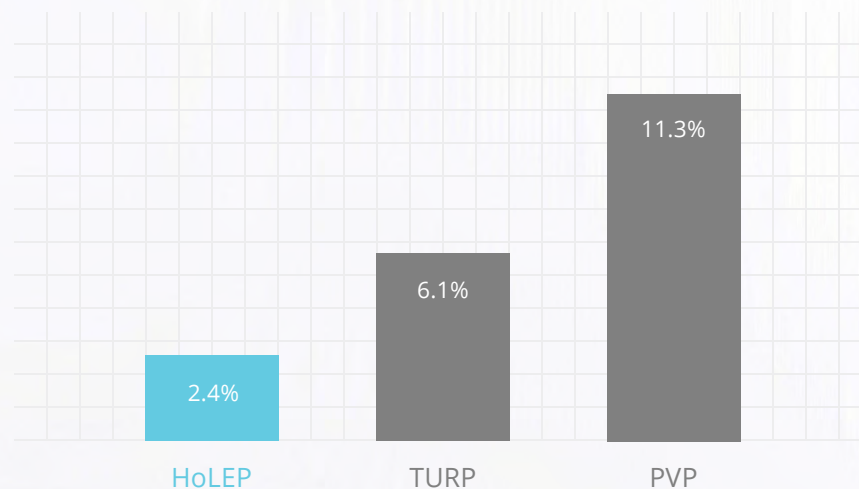
Dr. Amy E. Krambeck

Professor of Urology at Indiana University School of Medicine

Lower Reoperation Rates^{15, 16, 17}



Lower Complication Rates^{15, 18}



A powerful MOSES solution for accelerated vaporization³



Higher
Vaporization Rate
and Efficiency

Up to 2.2x faster vaporization rate
compared to regular pulse.^{3,19}



Improved
Coagulation

Control hemostasis and keep
bleeding minimal with the advanced
pulse reshaping and customized dual
pedal.^{20,21}



Enhanced
Fiber Control

Xpeeda™ side firing fiber is designed
to deliver increased energy
transmission³ in full contact without
causing deep tissue charring.²²



*I have noticed a significant difference when working with MOSES for vaporization.
The vaporization rate was better and I found a smoother vaporization plane.
I am looking forward to further exploring the potential benefits of the MOSES
technology in BPH treatments.*

Dr. Fernando Gómez Sancha,
Clínica Centro Madrid, Spain



Heritage of Innovation



1990

The World's
First Holmium
Laser System
for Urology



2000

The First
High Power
Holmium Laser
System for BPH



2014

Lumenis Pulse
120H - An all-
in-one Urology
Suite



2017

MOSES
Technology -
Reframing the
Laws of Physics



2018

MOSES BPH
- A New Era
for HoLEP
Treatments



2020

Shifting
Paradigms
in Urology
Treatments

Impact with Every Interaction



Continuous Innovation

From the first Holmium Laser for Urology to the patent-protected MOSES Technology – Lumenis is Leading Urology innovation



Proven Versatility

Backed by hundreds of clinical papers – the Lumenis Urology Platforms offer 360° solution for both lithotripsy and soft tissue applications



Elevating Life

Continuously striving to provide better technology for better patient care – making an impact on hundreds of thousands of patients every single day





Peace of Mind

With thousands of global installations and hundreds of supporting clinical publications – Lumenis is your trusted global partner

Technical Specifications

MOSES PULSE 120H

Moses Technology	Lithotripsy & BPH 
Maximum Optical Power	120 W
Wavelength	Holmium (2.1 µm) 
Repetition Rate	5-120Hz
Pulse Energy	0.2-6 J
Integrated Suction	Yes
Case Saver Mode	Yes
Dual Pedal Footswitch	Yes
Pulse Width	Adjustable (Short, Medium, Long)
Fibers	Lumenis reusable and single use fibers

Smart Identification System (SIS)	Yes
Aiming Beam	Green
Fiber Support Arm	Optional
Weight	260 kg
Dimensions [W / L / H]	47 x 116 x 105 cm
Voice Confirmation Indicating System's Operational Status	Yes
Electrical	200-240 VAC, <46 Amp, 50/60 Hz
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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Moses™ Technology US patent number - 9895196 B2

