Lumenis® Pulse™ 120H

Technical Specifications

Parameter Value
Showerlight 2.1 yr
Pulse Optical Power 120 mJ
Repetition Rate 1-96 Hz
Pulse Energy 0.2-6 mJ
Pulse Width Customizable (User, Medium, Long)
Footswitch Powered by a dedicated Pulse reshaping technology, hemostasis
Clinical Performance

Bench study results may not be indicative of Long 0.6 contact 8 Short 0.9 contact >30
Shape Pulse

| Pulse Mode | Treatment Time [sec] | Hemostasis
|------------|----------------------|---------|
| [J] / pulse | Average | in order to address one pedal dedicated for hemostasis laser settings during procedure. This allows for easy switching between the systems' dual pedals.
Customizable dual pedals

Pulse reshaping technology, powered by a dedicated footswitch

Revised pulse shape minimizes hemostasis time*

References

2. A. Ahyai S et al, Holmium Laser Enucleation versus Transurethral Resection of the Prostate: 3-Year Follow-Up
6. Galina Gagin, Duncan Morhar

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Risk information

The use of the Lumenis Pulse 120H laser system is contraindicated for patients who are unable to receive endoscopic anesthesia, as well as for resection of lesions located in vital structures or locations. In addition, it is contraindicated for the treatment of vessels larger than 3 mm diameter, as well as for the surgical management of BPH in the 21st Century


References

2. A. Ahyai S et al, Holmium Laser Enucleation versus Transurethral Resection of the Prostate: 3-Year Follow-Up
6. Galina Gagin, Duncan Morhar

Lumenis 2007617 A

Aiming Beam Green. 3 intensity settings and blinking mode

Pulse Energy 0.2-6 J
Repetition Rate 5-80 Hz
Max Optical Power 120 W
Wavelength 2.1 μm

All in One Laser Urology Platform
Vaporization HoLEP
Flexible Ureteroscopic Lithotripsy PCNL
Powerful Vaporization

120W of vaporization power: Lumenis' highest powered holmium laser

Xpeeda™ side firing fiber: A tailored solution delivers more energy directly to the tissue in full contact

Percent of Energy Delivered to Target Tissue vs. Fiber Distance from Tissue (mm)*

<table>
<thead>
<tr>
<th>Fiber Distance from Tissue (mm)</th>
<th>Percent of Energy Delivered to Target Tissue (%)</th>
</tr>
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<tbody>
<tr>
<td>0.75</td>
<td>68%</td>
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<tr>
<td>1</td>
<td>60%</td>
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<tr>
<td>2</td>
<td>56%</td>
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<td>56%</td>
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<td>19%</td>
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<td>9%</td>
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<td>3%</td>
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<tr>
<td>8</td>
<td>1%</td>
</tr>
<tr>
<td>9</td>
<td>1%</td>
</tr>
</tbody>
</table>

*Bench study results may not be indicative of clinical performance

“For Vaporization of the prostate, the Lumenis Pulse™ 120H stands apart from other available technologies. Tissue is easy to remove and, as we have experienced, patients can have their catheter removed almost immediately and go home the same day.”

Mr. Christof Kastner, Consultant Urologist, Cambridge University NHS Trust, UK.

Comprehensive HoLEP Offering

• Accelerated Enucleation Rate*
• Over 15 years of clinical evidence have made HoLEP the right choice for Urologists and patients worldwide
• HoLEP is recommended by the AUA for BPH. Among its advantages are a low reoperation rate, and wide patient applicability **. Compared with alternative treatment options for BPH, HoLEP has a major advantage in efficacy and safety **.

Effective Lithotripsy utilizing broad range of energies (even up to 6J)

• Suction handpiece allows simultaneous lithotripsy and aspiration of stone fragments
• Enabling physicians to perform laser lithotripsy during both PCNL and flexible ureteroscopic lithotripsy using one system

Graph showing crater size as function of joules

The higher the energy the larger the crater

Mr. Teo Aho, Consultant Urologist, Cambridge University NHS Trust, UK.

Ultra Speed Stone-Dusting™ for Flexible Laser Ureteroscopy

• Ultra-speed dusting capabilities with 62W repetition rate and minimal energies of 0.2J
• Clinical evidence suggests that stone dusting may reduce the need for basket extraction thereby reduce possible complications associated with the routine use of ureteral access sheaths
• SlimLine™ 200 D/F/L fiber introduces flexibility, durability and efficiency

PCNL Made Complete

• Suction handpiece allows simultaneous lithotripsy and aspiration of stone fragments
• Enabling physicians to perform laser lithotripsy during both PCNL and flexible ureteroscopic lithotripsy using one system
• Effective lithotripsy utilizing broad range of energies (even up to 6J)

Stone Fragmentation Rate*

Graph showing crater size as function of joules

The higher the energy the larger the crater

*Bench study results may not be indicative of clinical performance