Boston Scientific

Advancing science for life™

LithoVue™ Elite

Single-Use Digital Flexible Ureteroscope System

with intrarenal pressure monitoring

See more. Know more. Do more.

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The LithoVue Elite Single-Use Digital Flexible Ureteroscope is not an ordinary scope.

It's more.

It builds on the trusted LithoVue™ System with significant next-generation innovations, including enhanced image quality, intrarenal pressure (IRP) monitoring, direct control over image and video capturing, and seamless OR integration to help you access, visualize and treat stones.

The LithoVue Elite Single-Use Digital Flexible Ureteroscope System is the first and only ureteroscope system with IRP monitoring, giving you the power to make informed, real-time clinical decisions and see more, know more and do more in stone management.

The LithoVue Elite System is the first device that has been designed on Boston Scientific's next-generation StoneSmart™ technology platform. The system has built-in support for potential interoperability with future Boston Scientific devices.

Pressure matters

Routine measurement of intrarenal pressure (IRP) is not currently performed during ureteroscopy procedures, and complications of elevated IRP may include:

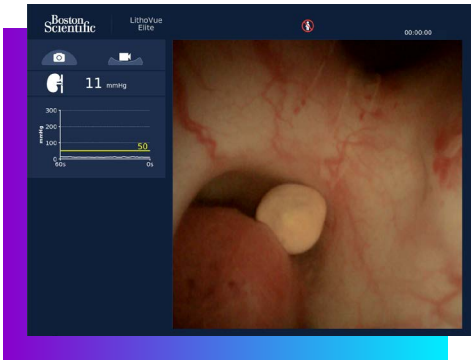
- Pain[1,2]
- Renal damage and pathological changes[1,3,4]
- Systemic inflammatory response syndrome[3,5]
- Fluid absorption[1,3,6-8]
- Fever[3,5]
- Infection[1,3,5,9]
- Sepsis[1,3,5,9]
- Pyelovenous backflow[1,3,6-8]

Understanding IRP as a predictor of complications has been neglected;[3] however, the LithoVue Elite Single-Use Digital Flexible Ureteroscope System unlocks the potential to improve our understanding of the impact of elevated IRP on patient outcomes.

See more.

Experience enhanced image quality

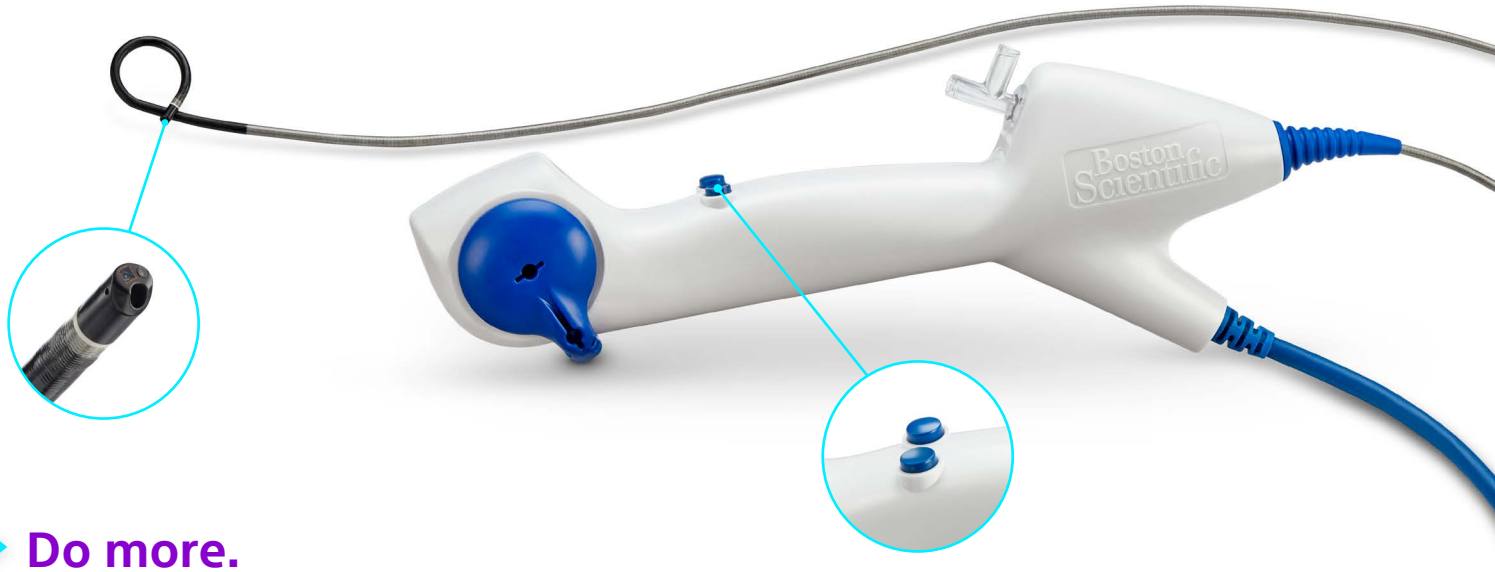
With a high-resolution digital chip and proprietary VividVue™ Technology image processing, the LithoVue Elite System raises the bar on image quality for single-use, flexible ureteroscopes. You can count on bright, sharp and clear images with accurate, bold colors and fast image processing for immediate visualization along with a wide view and 270° deflection in both directions.



Know more.

Monitor IRP in real-time

The LithoVue Elite System with IRP monitoring displays accurate, real-time, second-by-second, intrarenal pressure data directly on your current operating room monitor. Real-time pressure monitoring allows you to see pressure data and the scope image on one screen enabling immediate awareness of pressure within the collecting system.



Do more.

Take control of image and video capture

The LithoVue Elite System puts direct control of image and video capture from the sterile field in your hands. Programmable buttons on the scope handle enable you to record, save and export saved data without the need to coordinate with staff.

Seamlessly integrate into your OR

The StoneSmart™ Connect Console, LithoVue Elite System's compact processing unit, integrates into your operating room or existing mobile visualization tower and is designed to reduce clutter, minimize capital footprint, and simplify switching between cystoscope and ureteroscope. The endoscopic image is displayed on your existing OR monitors to help to minimize distraction and operating room logistics.

Our commitment to environmental sustainability

At Boston Scientific, we strive to continually improve our environmental performance. As a commitment to our physicians, patients and the communities we serve, we carefully examine the materials we use in our products, the resources used to make and transport them, and how we can reduce waste.

Environmental sustainability has been integral to the development of the LithoVue Elite Single-Use Digital Flexible Ureteroscope, including designing for recyclability, manufacturing plant sustainability and supply chain emission minimization.[10]

Waste Reduction Program

In an effort to minimize our carbon footprint, Boston Scientific has partnered with Sharps Compliance to provide a way for customers to recycle/repurpose used LithoVue Elite Ureteroscopes and their packaging. This program is offered to customers at no additional cost. Boston Scientific is absorbing the expense associated with this program as part of our pursuit of environmental excellence.

For more information about this important program, please consult your sales representative.

Specifications

Optical working distance (depth of view)	2-50 mm
Field of view	120 degrees diagonal
Insertion portion width (distal face)	7.7F
Max. insertion portion width (overall shaft diameter)	9.5F
Shaft working length	68 cm
Working channel	3.6F
Maximum angle of deflection	270 degrees

The LithoVue Elite Single-Use Digital Flexible Ureteroscope is compatible with the LithoVue Empower™ Retrieval Deployment Device

Let's connect

Connect with your Boston Scientific representative to determine if you could benefit from switching to the LithoVue™ Elite Single-Use Digital Flexible Ureteroscope System.

Visit our website

References

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