



MEDCO FORUM®

PRESENTING INNOVATIVE PRODUCTS AND SERVICES TO HEALTHCARE PROFESSIONALS

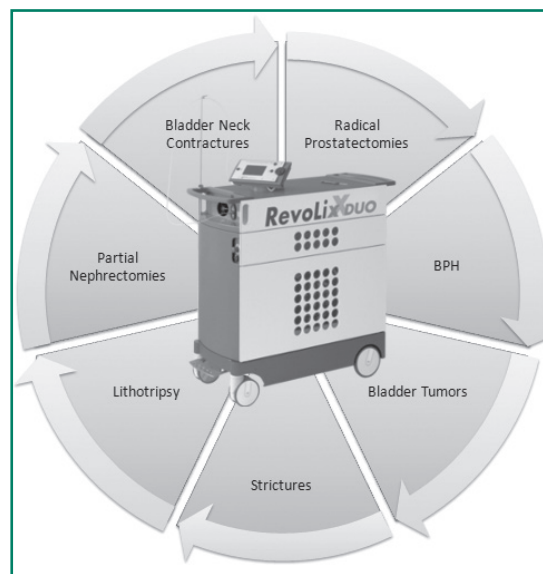
VOLUME 17 NUMBER 27

MAY 2010

REPRINT

Revolix™ 2 Micron – The Revolution Continues *Advanced Laser Technology from LISA Laser USA*

In the mid 1970's laser technology was introduced for surgical applications. Since then, many new applications and procedures have been identified for this technology. **LISA Laser USA (Pleasanton, CA)** has been a leader in this revolution, presenting cutting edge technology with their wide range of novel applications for the **RevoLix™ 2 micron laser**. This device is a major advance over other laser systems, providing efficient vaporization, better hemostasis, in a very cost effective way. It offers a wide variety of applications in urology, and most of the procedures can be safely performed in hospital, surgery center or office. The various applications are summarized in the accompanying diagram, and include lithotripsy as an additional procedure for which the **RevoLix DUO™** can be used.



The Challenge and The Solution

The challenge met by LISA Laser was to combine the best features of previously existing technologies, which resulted in their continuous wave laser with a wavelength of $\lambda=2013$ and target chromophore of water. It is a full contact laser and employs a forward firing fiber for precise delivery of the laser energy. Unlike the pulsed energy of the Holmium laser, the RevoLix delivers a continuous flow of energy allowing tissue to be easily vaporized while providing excellent hemostasis.

Cost Effectiveness

Cost is an important consideration. Other BPH lasers use single use fibers that cost around \$1000 and occasionally use multiple fibers for one patient. The RevoLix 2 micron laser employs reusable fibers which offers considerable savings and brings the cost down to lower than \$200 per procedure. The RevoLix can also be used for vaporesection. This procedure provides not only tissue for histology but also offers higher professional reimbursement.

These benefits are further extended by the flexible financial arrangements offered by LISA Laser USA who make units available for purchase, lease or rental.

Practical Experience

To date over 10,000 BPH procedures have been performed in the United States

with excellent clinical outcomes. There are many applications in urology for the **RevoLix™** and most can be performed in the physician's office.

Brian Parker, MD, Urology Consultants of Tennessee, Knoxville, TN has used the **RevoLix™** and confirms the many advantages to this technology. He prefers the end-firing capability and the precision afforded for the resection of tissue. "This wavelength generates little to no necrotic tissue. Because there is very little necrotic tissue, you can see the target area much more clearly. There is no guessing as to the volume of tissue removed and the capsule is easily identified." He goes on to say, "The patient outcomes are superior with the **RevoLix™** and I feel

*"We have had experience with the PVP greenlight and Holmium and the **RevoLix™** is far above either of those lasers with regard to efficacy, patient satisfaction and ease-of-use. The **RevoLix™** 2-micron laser is a wonderful technology."*

Frederick A. Klein, MD, FACS,
Professor of Surgery and Chief of the
Division of Urology at the University
of Tennessee, Knoxville, TN.

that if more physicians knew about the technology, they would use it." Michael L. McClelland, MD

C – Cost effective, \$200 a procedure

P – Performance- Precise tissue depth regardless of gland structure with no deep thermal injury to tissue.

T – Time. Fast procedures with the ability to get down to the capsule layer by vaporizing and resecting tissue.

Chief of Urology at Seton Medical Center, University of Texas, Austin, has also had positive experiences with the technology. "After doing a large number of cases with both the **RevoLix™** and the GreenLight™ Laser, I firmly believe the **RevoLix™** laser is superior. I can vaporize tissue more efficiently and more completely with the **RevoLix™**." He also speaks about the post-operative experience of his patients. "They appear to have fewer irritative symptoms with the **RevoLix™** and are happier with the results sooner. Both lasers obviously work for obstructive BPH, but after using both, I believe the **RevoLix™** is a superior way to treat my patients."

Another experience comes from Frederick A. Klein, MD, FACS, Professor of Surgery and Chief of the Division of Urology at the University of Tennessee, Knoxville, TN. He comments that "the **RevoLix** 2-micron laser is a wonderful technology." He also speaks to the clear sight that the technology affords. "Basically, the **RevoLix™** allows us to do bloodless prostate ablation. It is fast with perfectly clear vision. The advantages of the **RevoLix™** are that you do not have to wear goggles, it is easily

done with a camera, and there is no bubbling or white fluffy tissue that is seen with Holmium."

He also addresses the flexibility of the technology. He concludes "the bottom line is the **RevoLix™** 2-micron is effective and operator friendly. I would suggest it as the laser of choice for a prostate ablation." He also sees benefits for the patient. "With the **RevoLix™** they are treated as an outpatient and they usually take out their catheter the next day and are satisfied with this."

Conclusion

The development of the **RevoLix™** 2 micron laser offers the surgeon a safe, superior and very affordable technology with significant advantages over other lasers. Procedures can be performed safely in the office saving the physician and patient both time and money. This is made even more attractive by the flexibility offered by LISA Laser to sell, lease or rent units. This exciting breakthrough technology deserves a much wider audience! ♦

To learn more about the **RevoLix™** family of lasers, Please call 1-888-573-5006 or visit our web site www.lisalaserusa.com.