

Minimally Invasive Laser Surgery

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Minimally Invasive Laser Surgery a Global Trend

- Minimally invasive day care surgery is one of the major global trends in state of the art healthcare
- Day care surgery centers with minimal invasive techniques are heavily on the rise
- Minimally invasive laser procedures and latest laser technology are key factors in this development





biolitec AG- Technology Leader in Medical Lasers and Fiber Optics

- German High Technology in Lasers and Fiber Optics
- Pioneer and global leader in development of minimally Invasive laser surgery for over 20 years
- Research, development and manufacturing of high end medical lasers, fiber optic delivery systems and treatment kits







Biolitec AG Leonardo Lasers

- Very compact, portable unique high end diode laser systems with very high power levels and different wavelenghts
- Easy Setup & Use No Routine Maintenance
- Suitable for a wide range of minimally invasive procedures in different medical specialties



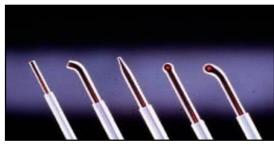




Leading Supplier of Medical Fiber Optics and Delivery Systems

- Dedicated fibers for a wide range of Minimally Invasive Surgical Procedures
- Biolitec fibers are complementary and supplemental to the other core technologies in minimally invasive surgery such as Endoscopy and Laparoscopy









Advantages for Patients, Surgeons and Hospitals #1

- Minimally invasive procedures
- Painless or virtually painless
- No bleeding, no scars
- Outpatient, no hospitalization
- Very short procedure times
- No general anesthesia



Advantages for Patients, Surgeons and Hospitals #2

- Outstanding success rates
- Very high patient satisfaction
- Saving on precious OT, ward and staff resources
- Short Learning Curve for Surgeons
- Very attractive to patients
- Very beneficial to the Healthcare Provider in many regards





biolitec AG-Medical Specialties



ELVeS Endovenous Treatment of Varicose Veins











Vascular Surgery ELVeS

Endovenous Treatment of Varicose Veins

Conventional Stripping

ELVeS Treatment



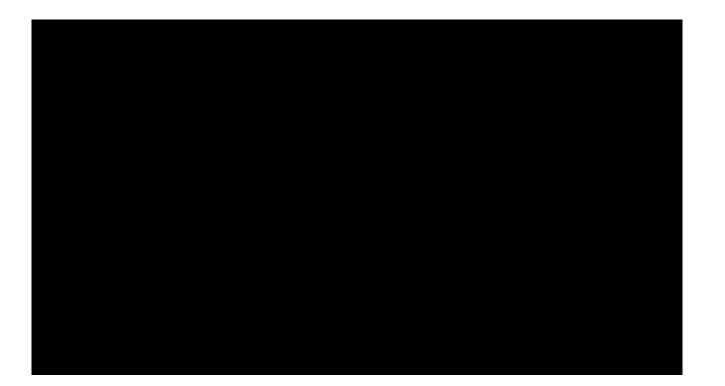






ELVeS

Endovenous Laser Treatment of Varicose Veins



Biolitec Biomedical Technology





Before



- Local Anesthesia
- Painless
- Treatment Time 30 Minutes
- No Scars
- Outpatient
- Success rates > 98%
- Very high Patient Satisfaction

After 28 Days





Proctology

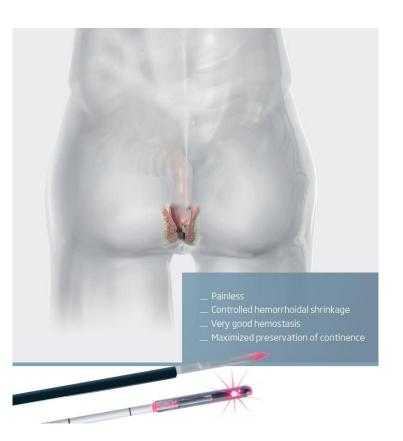
• Hemorrhoids



Anal Fistulas



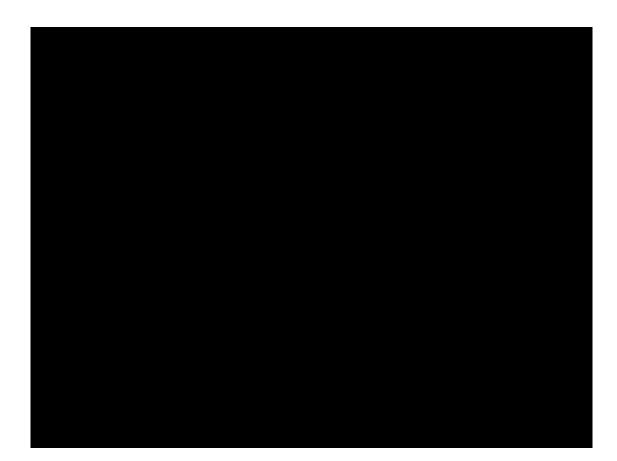
- Pilonidal Sinus
- Anal Fissures







Laser Hemorrhoidoplasty



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Laser Treatment Anal Fistula







Orthopedics & Pain Management PLDD Percutaneous Laser Disc Decompression

Minimally Invasive OutpatientTreatment Of Lumbar Disc Herniation

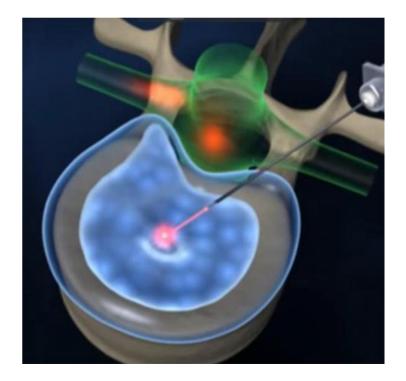


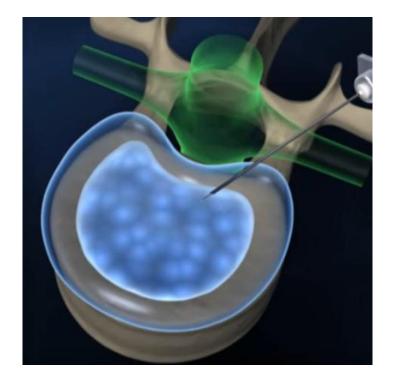
biolitec PLDD



In recent years PLDD has become increasingly popular!

PLDD is an effective hyperthermal minimal invasive treatment for spinal disc herniation.









PLDD: Percutaneous Laser Disc Decompression



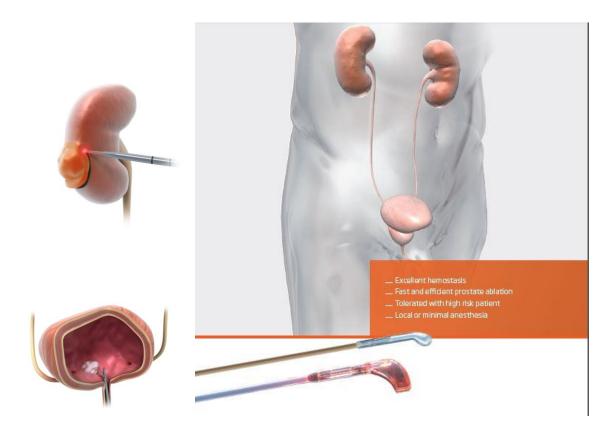




Urology

• BPH

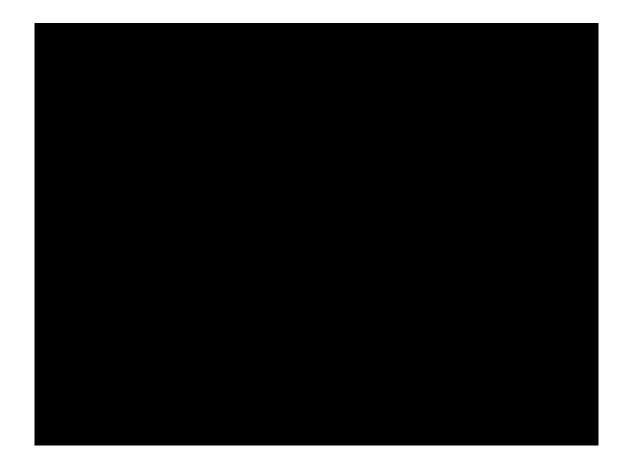
- Partial Nephrectomy
- Bladder Tumors
- Urethral Strictures







BPH with Leonardo HPD and Twister Fiber

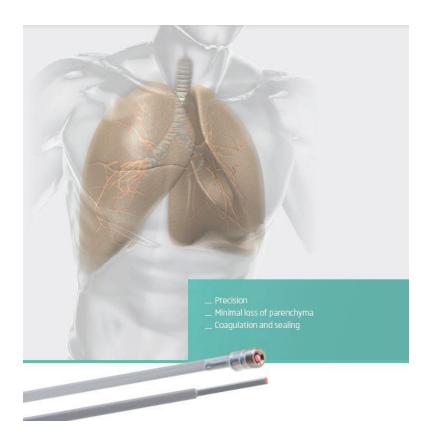






Removal of Tumors in Thoracic Surgery and Bronchoscopy

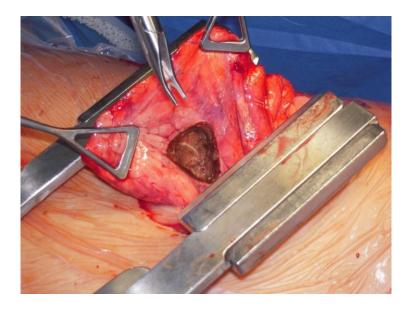
- Removal of lung tumors and metastasis
- Removal of bronchial tumors







Removal of Tumors in Thoracic Surgery and Bronchoscopy





Biolitec Biomedical Technology



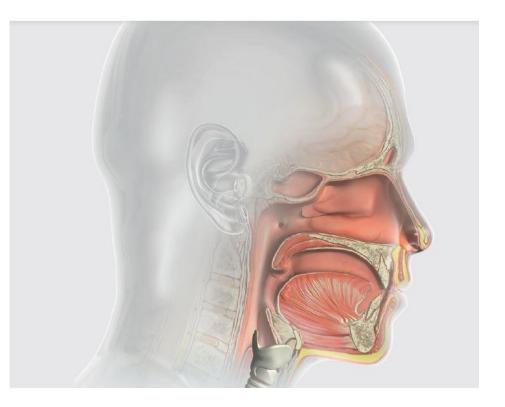
ENT

Nasal Surgery

•Oro-Pharynx

•Larynx

Otology





Conclusion

Implementation of minimally invasive laser procedures can significantly improve the quality of surgical care

In terms of

- Pain Reduction
- Patient Convenience
- Procedure Times
- Success Rates
- Reduction of Hospitalization and Anesthesia
- Saving of Hospital Resources











Can we afford State of the Art Laser Surgery in Uganda?





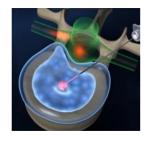
...yes, we can!





Can we afford State of the Art Laser Surgery in Uganda?

- All the procedures introduced in this presentation (except BPH) can be performed with only one very compact and economical Laser Device
- Very attractive packages available for private and public Healthcare Providers
- Including most comprehensive training programs in Uganda and abroad
- Interesting PPP models available











Should we afford to unnecessarily spend Millions of Dollars for Outbound Medical Tourism every year?

...no, we should not!



Should we afford to unnecessarily spend Millions of Dollars for Outbound Medical Tourism every?

Our procedures can be offered in Uganda on the same level as they are being offered at the Inbound Medical Tourism Destinations

The totals cost of 10 patients going for a PLDD or a Vein treatment E.G. to Dubai is more than the cost of a Leonardo Laser System incl. Training.

It is very likely that the surgeon in Dubai or India has been trained by our Team of Clinical Specialists that will also train the doctors here







Conclusion 2

The implementation of Minimally Invasive Laser Surgery into the Ugandan Health Sector is posssible

It is achievable to make these treatment modalities available to a significant portion of patients in Uganda

It is achievable to upgrade the quality of Surgical Care for patients in Uganda











Many thanks for your attention!



