



Focal Therapy with fusion-guided Focal Laser Ablation (FLA)



US-f g FLA

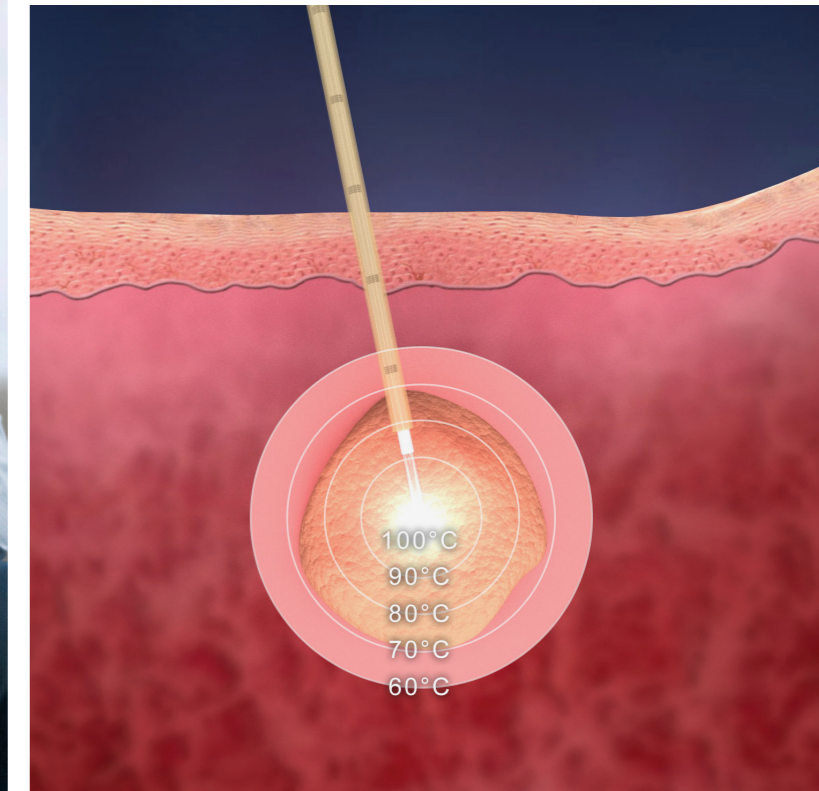
TRANBERG®

THERMAL THERAPY SYSTEM

Fusion-guided Focal Laser Ablation

Every day, doctors all over the world work hard for their patients. It's a complex task. Every treatment needs to show good clinical outcome, be motivated from a resource perspective, and potential side effects must not negatively impact quality of life.

CLS is passionate about transforming healthcare and lightening the burden for caregivers and patients alike. At the forefront of innovation, we provide more precise and advanced product solutions for image guided minimally invasive personalized therapeutic interventions.



Focal Laser Ablation in Soft Tissue

TRANBERG® Thermal Therapy System is intended for laser ablation of soft tissue, such as the prostate gland. Physicians can perform minimally invasive Focal Laser Ablation (FLA) in patients with early stage localized prostate cancer, without the need for open surgery with the associated risk of complications that may drastically impact the patient's quality of life.

MRI-US fusion image guidance can be used for targeting and inserting disposable flexible laser applicators, into a targeted soft tissue, such as tumor formations or hyperplasia, in organs such as the prostate. The thermal energy generated, using the TRANBERG® Thermal Therapy System, then destroys the target tissue within minutes.

Patient in focus

FLA performed with the use of TRANBERG® Thermal Therapy System provides a minimally invasive therapy alternative to conventional care. This typically allows the patient a quick return to normal daily activities.

Potential benefits with MRI guided focal laser ablation:

- Minimally invasive office outpatient procedure^{1,5}
- Lower risk of surgical complications including ED and urinary incontinence²
- Reduced procedure time¹
- Less pain³
- Low risk of infections²
- Enables either transperineal or transrectal approach⁴
- Sharp ablation zone¹
- Tissue sparing focal therapy²

1. Fütterer et al. World J Urol. (2019) 2. Klotz et al. Curr Opin Urol. (2020) 3. Marks et al. J Urol. (2017) 4. Williams et al. J Vasc Interv Radiol. (2019) 5. Oddens et al. Eur Urol Open Sci. (2022)

TRANBERG®

Thermal Therapy System

For soft tissue laser ablation

The TRANBERG® Thermal Therapy System enables physicians to perform advanced precision procedures with features such as real-time temperature monitoring, and control. The system features a computer controlled, desktop mobile laser unit, with touch screen graphical user interface, sterile disposable non-cooled laser applicators, tissue temperature probe sensors, and procedure specific introducer systems.

The TRANBERG® Thermal Therapy System is intended to be used by trained medical health care professionals to deliver laser energy, resulting in controlled heating and destruction of benign and malignant tumors and diseased soft tissue.

Indicated patient groups and corresponding treatment intent, in adults for the treatment of benign prostate hyperplasia (BPH) and treatment with curative intent for localized prostate cancer.



TRANBERG®

Mobile Laser Unit

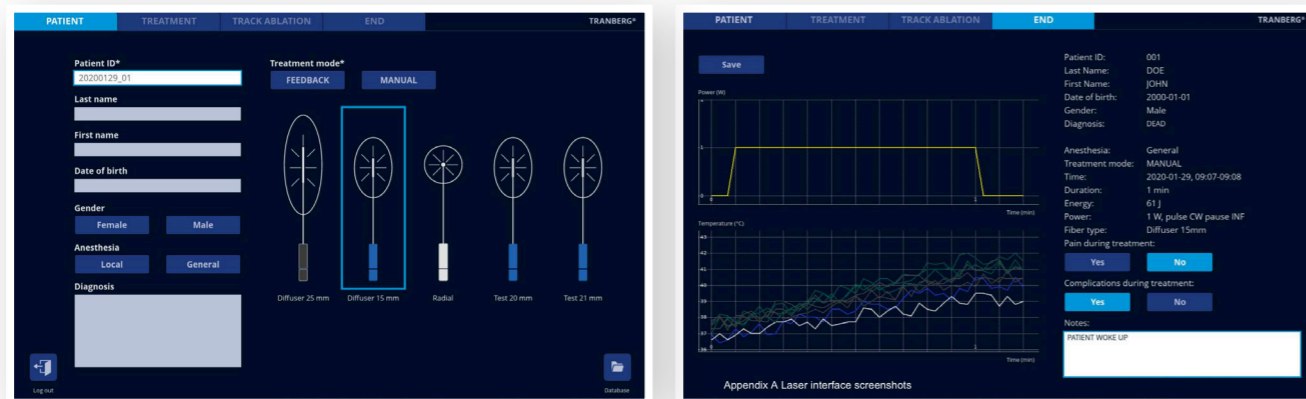
The TRANBERG® Mobile Laser Unit is the laser source and control component of the TRANBERG® Thermal Therapy System.

- Medical laser, wavelength 1064 nm
- Multiple options to control ablation by treatment power and time
- Small footprint
- Two touch screens with step by step instructing software

TRANBERG®

Temperature monitoring system

1. Place introducer in region of interest
2. Place temperature probe(s) and choose active or passive monitoring. Sensitive tissue structures to be monitored for thermal damage
3. Insert laser applicator through introducer and initiate ablation
4. Monitor changes in temperature probe readout



Easy to use interface for good overview and precise monitoring of the procedure.

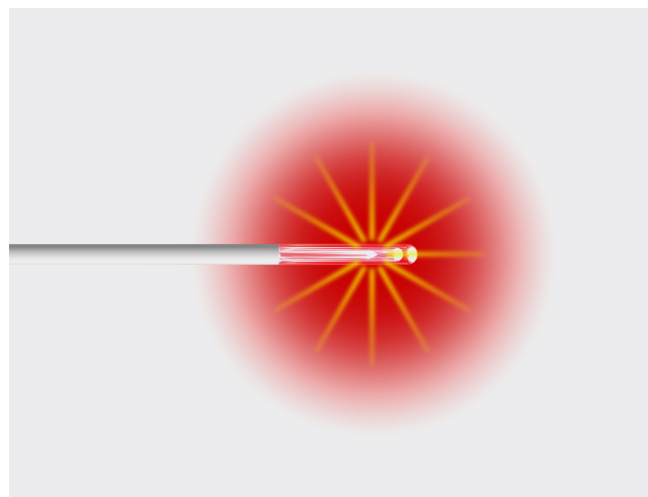
TRANBERG®

Sterile Disposable Devices

The TRANBERG® portfolio includes 3 m long non-cooled 15 Gauge sterile laser applicators at three different capacity levels, allowing a multitude of MRI-US fusion-guided laser ablation procedures. With the unique diffusing fiber technology of CLS, heat distribution in tissue is optimized and the need for external cooling has been made obsolete.



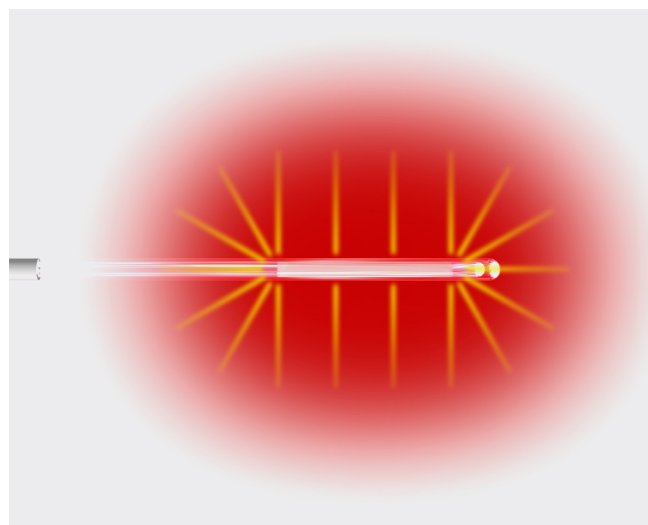
MR Introducer



Radial laser applicator



Laser Applicator Non-cooled radial



Diffuser laser applicator



Laser Applicator Non-cooled diffuser

Technical specifications and order information

Mobile Laser Unit

Product Name	Diameter	Length	Description	Article no.
TRANBERG® Mobile Laser Unit	-	-	-	1001-01

Laser Applicator Non-cooled – sterile, single use

Product Name	Diameter	Length	Description	Article no.
TRANBERG® Laser applicator Non-cooled	1.7 mm/15G	1 mm; 3 m	Radial, MR Conditional	4012-01
TRANBERG® Laser applicator Non-cooled	1.7 mm/15G	15 mm; 3 m	Diffuser, MR Conditional	4017-01
TRANBERG® Laser applicator Non-cooled	1.7 mm/15G	25 mm; 3 m	Diffuser, MR Conditional	4017-03

MR Introducer – sterile, single use

Product Name	Diameter	Length	Description	Article no.
TRANBERG® MR Catheter	2.1 mm/14G	230 mm	PEEK, MR safe	4013-10
TRANBERG® MR Stylet	1.7 mm/15G	230 mm	Trocar tip, MR Conditional	4013-13
TRANBERG® MR Stylet	1.7 mm/15G	100 mm	Trocar tip, MR Conditional	4013-11
TRANBERG® MR Catheter	2.1 mm/14G	100 mm	PEEK, MR safe	4013-12

Tissue Temp Probe – sterile, single use

Product Name	Diameter*	Length	Description	Article no.
TRANBERG® Tissue Temp Probe	1.27 mm/18G	100 mm	blue, 1 sensor, MR unsafe	3001-01
TRANBERG® Tissue Temp Probe	1.27 mm/18G	100 mm	white, 1 sensor, MR unsafe	3002-01
TRANBERG® Tissue Temp Probe	1.27 mm/18G	100 mm	green, 4 sensors, MR unsafe	3003-01
TRANBERG® Tissue Temp Probe	1.27 mm/18G	100 mm	black, 4 sensors, MR unsafe	3004-01
TRANBERG® Tissue Temp Probe	1.27 mm/18G	200 mm	blue, 1 sensor, MR unsafe	3001-02
TRANBERG® Tissue Temp Probe	1.27 mm/18G	200 mm	white, 1 sensor, MR unsafe	3002-02
TRANBERG® Tissue Temp Probe	1.27 mm/18G	200 mm	green, 4 sensors, MR unsafe	3003-02
TRANBERG® Tissue Temp Probe	1.27 mm/18G	200 mm	black, 4 sensors, MR unsafe	3004-02

* Diameters in SWG = Birmingham wire size





About CLS

CLS is an innovative company within healthcare technology and therapy. With people in mind, we are at the forefront of developing more precise, more effective interventional healthcare solutions. Our products are approved and marketed in the US and in Europe, providing minimally invasive alternatives to traditional treatments.



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Carefully precise

