



MEDENCY

Laser energy for life



ENT

Precision Laser Solutions

# WHO WE ARE



**MEDENCY** was born at the intersection of technology and medical vocation.

Our company simplifies clinical complexity with intuitive, reliable, and portable laser solutions. Each device is designed as an extension of the professional's hands—a tool that transforms the benefits of light into precise and respectful care.

It's the meeting point between technology and conscious choice, putting patient wellbeing at the heart of every decision.

Medency is an Italian company working alongside healthcare professionals as a trusted and innovative partner, fully compliant with international standards **ISO 9001** and **ISO 13485**, ensuring quality, safety, and traceability at every stage of production.

To meet the needs of the global medical sector, our laser technologies are certified by numerous regulatory bodies and health ministries worldwide. We comply with the **European MDR** Regulation and hold **FDA** clearance for the US market, guaranteeing access to reliable, effective, and safe solutions.

## **Our Promise**

Medency provides otorhinolaryngologists with a laser designed to enhance the clinical experience and optimise tangible results. Minimally invasive technology ensures safer procedures that patients tolerate well.

Discover more at [www.medency.com](http://www.medency.com) or contact us for personalised consultations and practical demos.

# FEATURES

**RAPIDO ENT BLUE** is the laser device that maximises the synergy between technological innovation and selective tissue care.

**Blue light at 450 nm** optimises cutting performance while minimising thermal effects and preserving surrounding areas. Its versatility translates to safer, more precise procedures that respect biological tissue.

## Clinical applications

### Otorhinolaryngology

**RAPIDO ENT BLUE** represents a technological breakthrough in ORL surgery thanks to its 450 nm blue wavelength, enabling selective action on haemoglobin with minimal thermal impact on healthy tissues. This delivers precise vaporization and immediate coagulation, making it ideal for outpatient and microsurgical procedures with drastically reduced trauma and post-operative complications.

### Laryngology

In laryngeal surgery, **RAPIDO ENT BLUE** offers exceptional control over vascularised tissues and delicate structures like the vocal cords. Its precision allows selective removal of lesions such as papillomas, leucoplakia, and polyps, with excellent operating field visibility and preservation of phonatory function. The immediate coagulating effect reduces operating times and improves post-operative recovery.

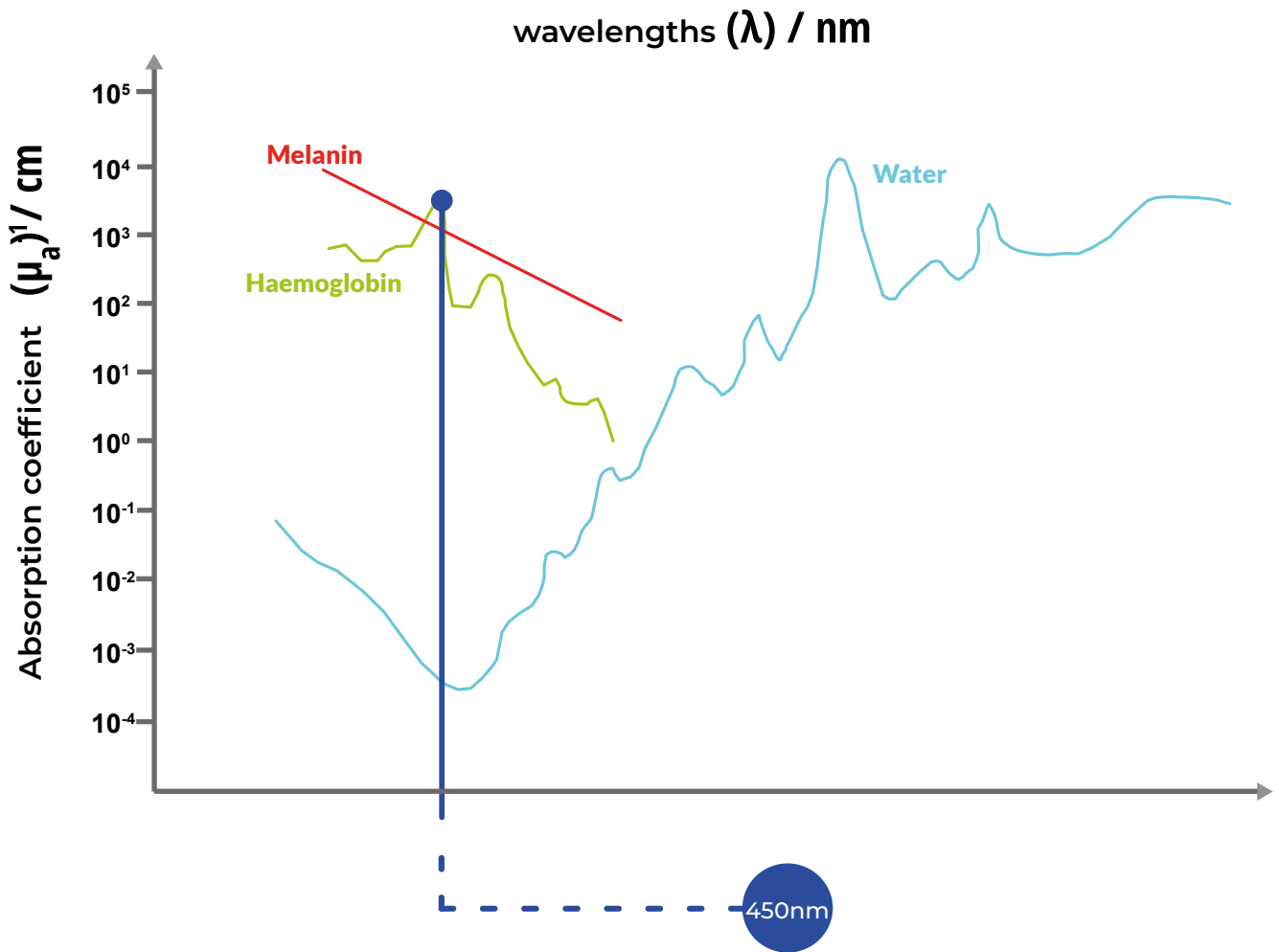
### Otology

In otology, the blue laser proves highly effective for procedures like stapedotomies, cholesteatomas, and vascular treatments. Its ability to provide targeted haemostasis without damaging adjacent structures makes **RAPIDO ENT BLUE** ideal for extremely precise interventions in the middle and inner ear, offering surgeons operational safety and patients faster recovery.



# PRECISION IN WAVELENGTHS

The **450 nm wavelength**, better known as visible blue light, is increasingly used in medicine due to its unique physical and biological properties.



## 450 nm Blue light

Advanced laser technology for ORL soft tissues, combining the non-contact cutting typical of CO<sub>2</sub> lasers with the haemostatic effect of KTP sources. Peak absorption in haemoglobin and water permeability enable rapid cuts with immediate coagulation, preventing thermal and mechanical damage to adjacent structures. Surgical performance surpasses 810 nm and 980 nm diode lasers.



ORO-PHARYNGEAL CAVITY



NASAL CAVITY



AUDITORY CAVITY

# HIGHLY PERFORMANT ERGONOMIC ACCESSORIES

The introductory **RAPIDO ENT BLUE** set includes autoclavable cannulas in various lengths and angles, designed for precise laser beam direction in airways and the ear canal. This enables highly accurate, minimally invasive surgical procedures with optimal treatment control.

## ▶ ANGLED CANNULA



## ◀ STRAIGHT CANNULA



## ▶ CURVED CANNULA



**Medency optical fibres** are available on request in various diameters. Superior thermal resistance and flexibility provide excellent control during minimally invasive surgical procedures

## ◀ FIBRES





**More Info!**



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**Your local dealer**