

# CALA

## Cardiac Arrhythmia Laser Ablation



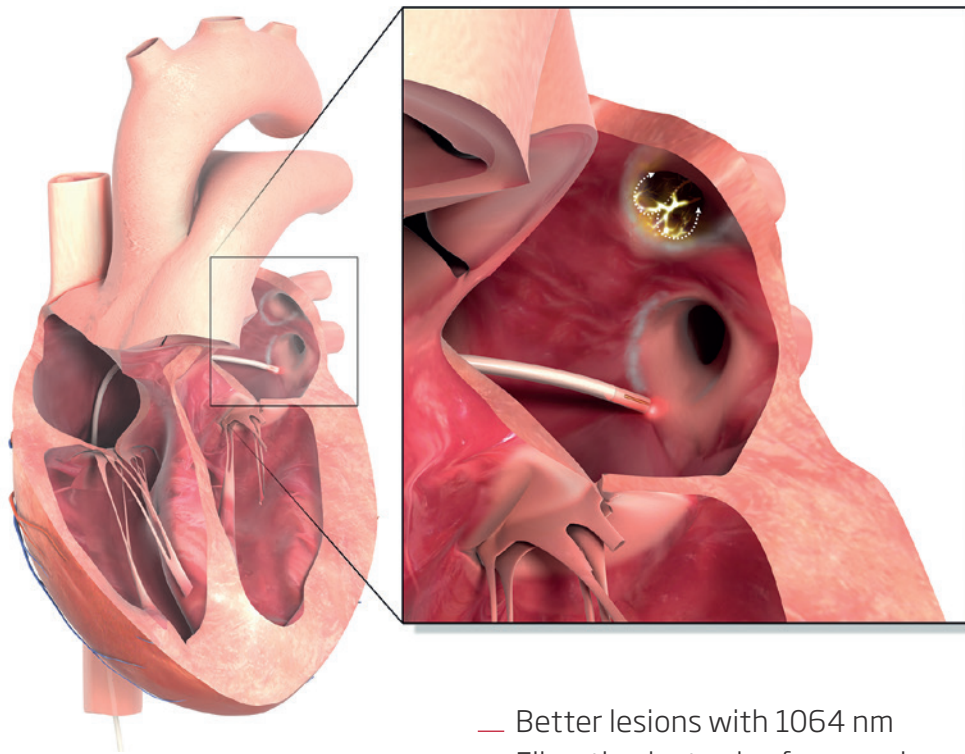
- Treats arrhythmia
- Monitors the reduction in electrograms during laser treatment
- State-of-the-art device for cardiac electrophysiologists

# Abnormal Heart Rhythm

Irregularities in heart rhythm cause arrhythmia such as Atrial Fibrillation which affects millions of people worldwide. Medicinal treatment is the initial approach, but catheter ablation treatment provides better quality of life and freedom from Atrial Fibrillation recurrence. It is a process of ablating tissues where irregular electrical signals are created or transmitted.

biolitec® has concentrated on the core business of laser treatment on soft tissue for over 30 years. This expertise has expanded to develop **CALA - Cardiac Arrhythmia Laser Ablation** - which provides effective lesion leaving no active myocardial cells after the treatment. A unique product with no compromises on safety and which delivers excellent results.

# Reclaim the rhythm with CALA

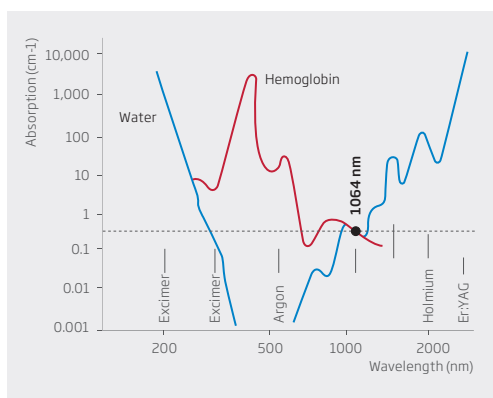


Pulmonary vein isolation procedure using the CALA fiber

- Better lesions with 1064 nm
- Fiber tip electrodes for mapping

## Conditions treated

- Atrial Fibrillation
- Atrial Tachycardia
- Atrial Flutter
- Ventricular Tachycardia
- Atrioventricular Nodal Re-entrant Tachycardia (AVNRT)
- Accessory Atrioventricular Pathways (AP)
- Inappropriate Sinus Tachycardia



## Why laser energy?

- Achieves transmural lesion on normal and scarred tissue using 1064 nm
- No influence over intracardiac electrograms
- Low chance of thrombus creation
- Tissue is ablated by light absorption compared to other energy sources

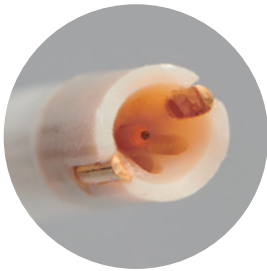
# Laser for a precise ablation



- Lower chance of electrical reconnection
- Increased quality of life for patients
- Reliable results
- Reduced complications

## Benefits of the fiber tip electrodes

- Fiber tip electrode monitors the reduction in electrograms during the laser treatment
- No noise in electrogram recordings due to laser radiation
- High resolution mapping improves the identification of arrhythmogenic substrates



Fiber tip electrode with irrigation ports in the middle



Fiber tip electrode connectors

## LEONARDO® FPS 1064 with LEONARDO® FLOW pump for irrigation

- 1064 nm diode laser with max. output of 20 W
- Fiber Protection System (FPS) provides advanced safety, protecting the tissue and fiber
- Irrigation helps in creating larger lesions

# Our products



## biolitec® laser and pump

Model	<b>LEONARDO® FPS 1064</b>
REF	LF1064nm20W
Wavelength	1064 nm
Power	20 W (1064 nm)
Fiber diameter	≥ 360 µm
Aiming beam	635 nm, max. 4 mW
Treatment mode	CW mode
Power supply	110 - 240 VAC, 50 / 60 Hz, 450 VA
Dimensions (H × W × D)	approx. 28 cm × 37 cm × 9 cm
Weight	approx. 8.5 kg

Model	<b>LEONARDO® FLOW pump</b>
REF	400100500
Volume Flow	Low Flow 1 - 30 ml / min High Flow 1 - 60 ml / min (High flow is always >Low flow) Flush Flow 40 - 80 ml / min
Air bubble	Auto stop of flush when air bubbles are detected
Maximum Tubing pressure	Max. 5 bar
Power supply	110 - 240 VAC, 50 - 60 Hz
Dimensions (H × W × D)	26 cm × 28 cm × 15 cm
Weight	approx. 6.7 kg

## Fiber

REF	Product	Packaging Unit	Length [m]	Compatible Introducer (Recommended)
503100500	CALA Fiber, IC	1	3	8.5 Fr

CALA fiber is compatible with most models and makes of Electrophysiology recording systems

## Tubing set

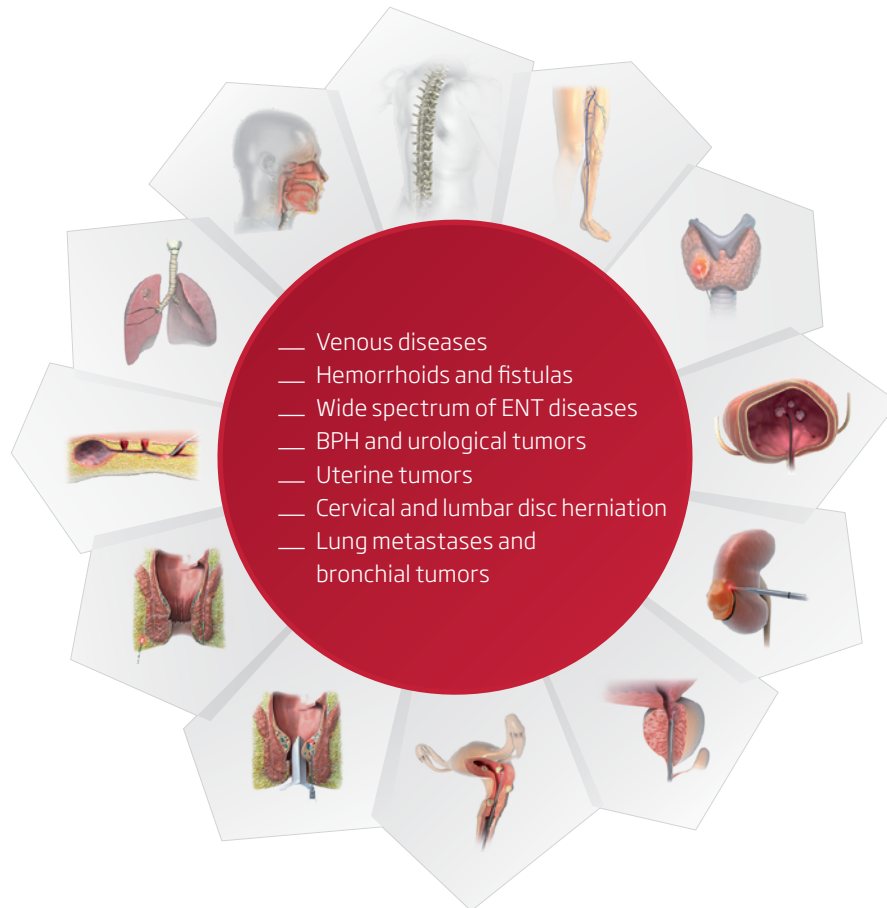
REF	Product	Packaging Unit
400100510	Live Cool tubing set	1

## Sheath

400100590	Agilis™ NxT Steerable Introducers 8.5 F 71 cm Small Curl Dual-Reach™ Bi-directional (SJM REF: 408309)
400100600	Agilis™ NxT Steerable Introducers 8.5 F 71 cm Medium Curl Dual-Reach™ Bi-directional (SJM REF: 408310)
400100610	Agilis™ NxT Steerable Introducers 8.5 F 71 cm Large Curl Dual-Reach™ Bi-directional (SJM REF: G408324)

# Contact us

to learn more about a whole new world  
of minimally invasive laser therapies



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All fibers are free of latex and DEHP. Our fibers are single use products (unless otherwise indicated) delivered sterile for immediate use.

#### **Imprint**

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