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ECLAD™ EVOLVE® in DCR Therapy

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Endoscopic combined Laser assisted
Dacryocystorhinostomy (DCR)



EVOLVE®

Bloodless, Sutureless & Outpatient Treatment of DCR

In contrast to the conventional methods of external, surgical removal of a stenosis, ECLAD™ is comfortable for both the physician and the patient.

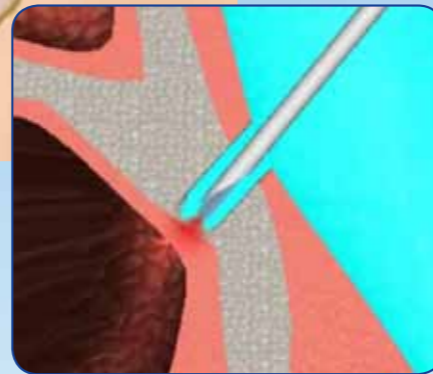
ECLAD™ (Endoscopic Combined Laser Assisted Dacryocystorhinostomy) is a new approach to DCR entirely developed by biolitec®, which turns the re-opening of the lacrimal duct into a safer and minimally invasive treatment.

Key benefits for the physician

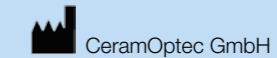
- Short treatment time
- Bloodless field
- Easy to learn technique
- Limited complication and no side effects
- More than 95% success rate
- Ligaments and muscles of internal canthus are preserved
- Useful for failed procedures

Key benefits for the patient

- Atraumatic and OPD procedure
- Minimal discomfort
- Excellent aesthetic results
- No postoperative bleeding
- No risk of infection
- Very short recovery time
- Rapid return to normal activities



Technical Specifications	CERALAS® E
Wavelength	980 nm
Optical output	15 W at the distal end of the optical fiber (7.5 W with a 220µm fiber)
Aiming beam	635nm, 4 mW, brightness adjustable
Operating mode	CW, Pulse Mode
Pulse length / interval	0,01 – 100 sec
Power supply	100 -240 VAC; 50-60 HZ
Dimensions	22 cm x 26 cm x 38 cm /HxBxT
Weight	7.5 kg
For vein treatment extendable	



The new Approach to DCR

The ECLAD™ system is based on the latest EVOLVE® laser platform offering the state of the art laser technology

- The unique wavelength is highly absorbed in hemoglobin and water
- Concurrent vaporization of both hard and soft tissue with optical coagulation
- Ideal penetration depth
- Flexible optical fiber delivery systems

The ECLAD™ treatment system includes:

- ECLAD™ laser system
- ECLAD™ accessories
- Carrying case
- Safety goggles

Ceralas® laser system

- Dedicated software for DCR applications
- Unique and different fibre options
- Quick set up and easy to use
- Minimal running costs
- Reliable diode technology; with minimal maintenance
- Compact and portable
- Standard power connection
- Attractive extended warranty options available

Comfortable for Physician
and Patient



Ideal penetration Depth