



## DRY EYE TREATMENT



IPL System  
Intense Pulsed Light



C.STIM® sets a new standard in Ophthalmic IPL technology, combining cutting-edge engineering with patented innovations to deliver unmatched safety, precision, and patient comfort.

## ■ ELEGANT DESIGN FOR EASE OF USE



### INTERFACE

Large HD screen  
Easy to use  
Intuitive interface






### TROLLEY

Ergonomic  
Multiple storage areas  
Mobile on castors



# IPL SYSTEM FOR DRY EYE TREATMENT

## ■ COMPREHENSIVE ACCESSORY RANGE FOR OPTIMAL CARE

	<b>KIT OF 2 SPECIALIZED TIPS</b>		<b>PATIENT DISPOSABLE EYE PROTECTION PATCH</b>		<b>WOODEN SPREADERS</b>
	<b>PRACTITIONER PROTECTIVE GOGGLES</b>		<b>PATIENT PROTECTIVE INTRAOCULAR SCLERAL SHELL - STAINLESS STEEL</b>		<b>SINGLE USE HEADBANDS</b>
	<b>PATIENT PROTECTIVE SHELLS</b>		<b>TRANSPARENT ULTRASOUND GEL</b>		<b>MEIBOMIAN FORCEPS</b>

## ■ UNIQUE DRY EYE OFFER:



EMPOWER YOUR PATIENTS WITH PREMIUM EDUCATIONAL SUPPORTS

[www.mydryeyedisease.com](http://www.mydryeyedisease.com)

**1 DIAGNOSE**



**2 TREAT**



**3 EDUCATE**



**DRY EYE**



## ■ STATE-OF-THE-ART HANDPIECE

### Patented Technology: Stim-ULI™ (Uniform Light Intensity)

- Patented optical handpiece for uniform energy delivery
- Eliminates temperature peaks for superior comfort and safety
- No burn risk, even on darker skin types

Standard technology

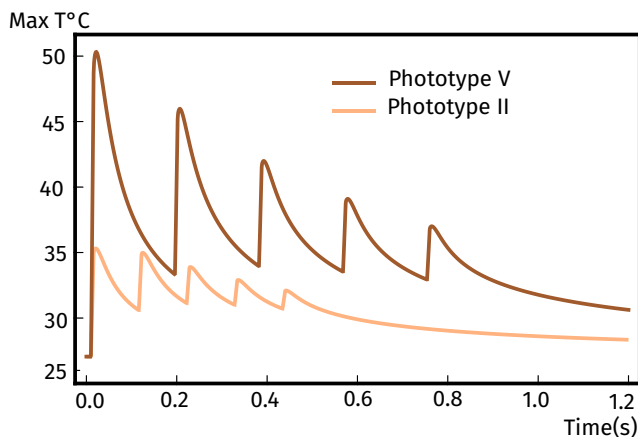


Stim-ULI™ technology



### Unique Pulse Train – 5 Pulses for Ultimate Safety & Efficacy

- Ensures a controlled and progressive temperature increase for optimal therapeutic outcomes
- Preserves skin integrity, even in delicate areas such as the peri-orbital region, while respecting the Thermal Relaxation Time (TRT)
- **No thermal damage to the skin:** Enhanced safety across all major skin types (Phototypes I to V)



**Temperature evolution at epidermis/dermis interface for a phototype II and V.** Results obtained from numerical simulations of a dual optical – bioheat transfer model, considering standard room temperature and a use of 1 mm layer of gel onto the skin, which provides an effective skin precooling. **The simulations indicate an absence of thermal damage, with the system remaining far below the thermal damage threshold ( $\Omega \ll 1$ ).**

### Integrated Water-Based Cooling System for Optimal Efficacy

- Guarantees flash lamp performance and longevity
- All the sessions without compromise in efficacy
- Delivers consistent energy from the first to the last shot
- Ensures optimal patient comfort

## c.tips<sup>™</sup>

Controlled precision for sensitive areas



Ø 6 mm



30 x 5 mm

### Single, Versatile Handpiece with Two Specialized Tips

- Treats All Areas: Large, small, and delicate zones with precision
- Easy Workflow: Two quick-attach tips - no need to change the handpiece
- Round-Shaped Tip [22,23,24,27,28]: Ideal for precise treatment of small, sensitive areas
- Banana-Shaped Tip [22,23,24,27,28]: Designed for peri-orbital (eye contour) treatment - unique on the market

# DESIGNED FOR SUPERIOR RESULTS

## ■ NEXT-LEVEL IPL SOFTWARE: SAFETY, SPEED, SIMPLICITY

### Dry Eye Parameters – Defined for Safety and Efficacy by phototype

- Pre-set dry eye protocols developed with Dr. Rolando Toyos (USA)
- Ensures consistent results and patient comfort across the majority of skin types (phototype I to V)
- Simplifies workflow for fast, easy sessions



### Manual Settings – Flexibility for Advanced Users

- Customize the fluence, pulse duration, interval time, and number of pulses
- Perfect complement for practitioners applying other validated or specialized protocols

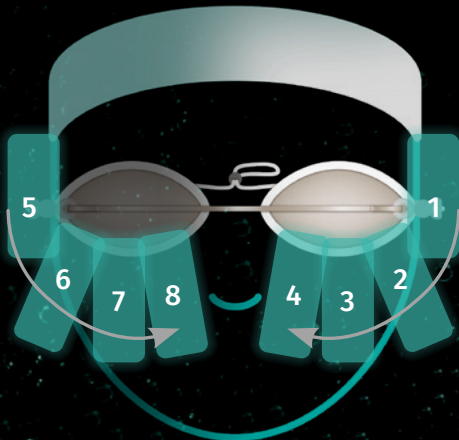




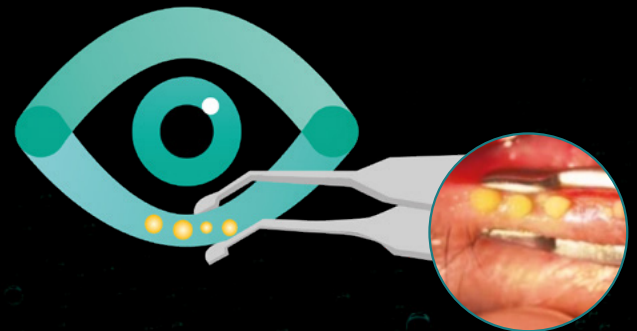
## ■ TREATMENT: A FAST, SIMPLE PROTOCOL

- 1 SESSION** in less than 10 minutes
- 2 WEEKS** between sessions
- 3 to 4 SESSIONS** for complete treatment

### DURING TREATMENT



### AFTER TREATMENT



FOR OPTIMAL RESULTS:  
MANUAL MEIBUM EXPRESSION,  
MADE EASIER BY THE HEAT FROM  
C.STIM® IPL

## ■ ADDED VALUE FOR CLINICAL PRACTICE

### PRACTITIONER

- Multi-action treatment offer
- Fast, simple treatment
- Combination treatments for long-term results
- Optimisation of post-surgical outcome when used before surgery (refractive, cataract)
- Improved patient compliance with topical glaucoma treatment
- Contact lenses can be worn for longer
- No consumables

### PATIENT

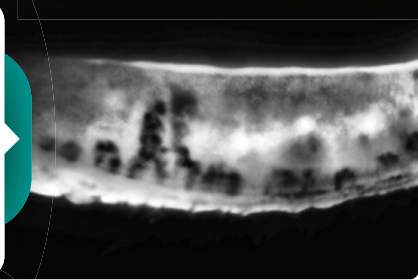
- Safe, effective, long-lasting treatment
- Reduction in symptoms from the first session
- Better quality of life
- Comfortable treatment
- No disruption to social life
- Neuropathic pain relief
- Improved contact lens comfort
- Patient satisfaction after refractive and cataract surgery
- Improved tolerance of topical glaucoma treatments

# MULTIPLE MECHANISMS OF ACTION

## TREAT THE ROOT CAUSES

1

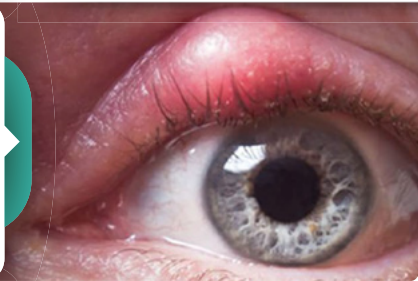
**M.G.D. & CHALAZION**  
Meibomian Gland Dysfunction



**SPEED UP MEIBOMIAN GLAND AND LACRIMAL GLAND METABOLISM** by stimulating the parasympathetic nervous system [1,2,3,4,5,6]

2

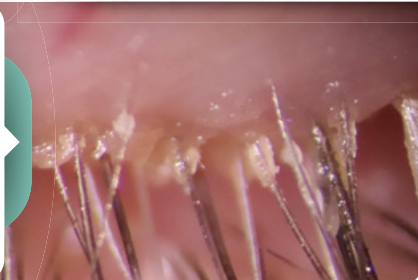
**INFLAMMATION**



**LIQUEFY MEIBUM FOR MEIBOMIAN GLAND EXPRESSION** using controlled thermal effect [7,27,28]

3

**DEMODEX**

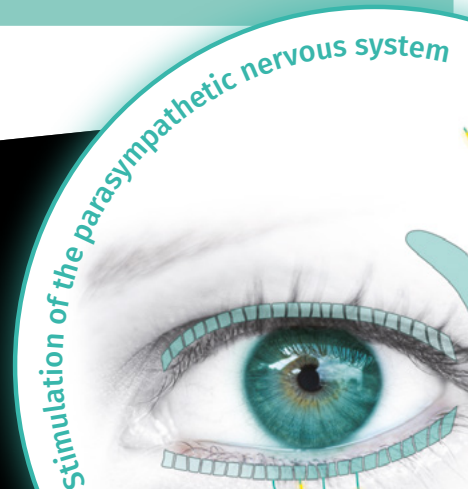


**DECREASE DEMODEX** through coagulation and necrosis of the pigmented exoskeleton [9,12,13]

+

## MULTIPLE CLINICAL RESULTS:

- Improved tear film quality [14,15,21,25]
- Better meibum quality and expression [16,17,25,27,28]
- Reduction in patient symptoms [17,25]
- Neuropathic pain relief [18,26]
- Reduced inflammatory markers (cytokines) in tears [19,20,25]





## TECHNICAL SPECIFICATIONS



### GENERAL INFORMATION

Technology	IPL (Intense Pulsed Light)
Wavelength	610 – 1,200 nm
Fluence	1 to 14 J/cm <sup>2</sup>
Spot size	18 x 45 mm / 6 mm diameter / 30 x 5 mm
Stim-ULI™ technology	<b>Uniform Light Intensity</b> European Patent EP4466068 Unique technology for a perfectly homogeneous energy distribution
Dimensions	540 (H) x 320 (W) x 380 (D) mm
Weight	25 kg
Filter	610 nm, anti-UVA, UVB and UVC filter
Cooling system	Water
Flash lamp	Xenon lamp
Power supply	110/230 VAC, 50/60 Hz
Operating temperature	15 – 30 °C
Treatment duration	3 to 4 sessions
Marking	CE medical, class IIb

Specifications are subject to change without notice. Non contractual pictures.  
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### BIBLIOGRAPHY

1. Parasympathetic Innervation of the Meibomian Glands in Rats – Mark S. LeDoux et al. – Investigative Ophthalmology & Visual Science, October 2001, Vol. 42, No. 11.
2. Characterization of the innervation of the meibomian glands in humans, rats and mice – Bründl, M. et al. Annals of Anatomy (2021), Vol. 233.
3. Neurotransmitter Influence on Human Meibomian Gland Epithelial Cells – Wendy R. Kam and David A. Sullivan – Investigative Ophthalmology & Visual Science, November 2011, Vol. 52, No. 12.
4. The Dopaminergic Neuronal System Regulates the Inflammatory Status of Mouse Lacrimal Glands in Dry Eye Disease – Ji, Yong Woo et al. Investigative Ophthalmology & Visual Science (2021), Vol. 62.
5. TFOS DEWS II Pathophysiology Report – Anthony J. Bron, et al. – The Ocular Surface, 2017, p 441 to 515.
6. The neurobiology of the meibomian glands – Cox SM, Nichols JJ – Ocular Surface, July 2014.
7. Multicenter Study of Intense Pulsed Light Therapy for Patients with Refractory Meibomian Gland Dysfunction – Reiko Arita, et al. – Cornea Volume 37, Number 12, December 2018.
8. Rosacea: Molecular Mechanisms and Management of a Chronic Cutaneous Inflammatory Condition – Yu Ri Woo, et al. International Journal of Molecular Sciences, September 2016.
9. Rosacea: Epidemiology, pathogenesis, and treatment – Barbara M. Rainer et al. – DERMATO-ENDOCRINOLOGY 2018, VOL. 9, NO. 1, e1361574 (10 pages).
10. Treatment of ocular rosacea – Edward Wladis et al. – Survey of Ophthalmology (2018), Vol. 63.
11. Improved telangiectasia and reduced recurrence rate of rosacea after treatment with 540 nm-wavelength intense pulsed light: A prospective randomized controlled trial with a 2-year follow-up – Luo, Y. et al. – Experimental and Therapeutic Medicine (2020), Vol. 19.
12. Therapeutic Effect of Intense Pulsed Light on Ocular Demodocosis – Zhang, X., et al. – Current Eye Research 2019, Vol. 3.
13. Intense Pulsed Light Therapy for Patients with Meibomian Gland Dysfunction and Ocular Demodex Infestation – Cheng et al. – Current Medical Sciences (2019), Vol. 39.
14. Long-term effects of intense pulsed light treatment on the ocular surface in patients with rosacea-associated meibomian gland dysfunction – Seo Kyoung Yul et al. – Contact Lens and Anterior Eye (2018), Vol. 41.
15. TFOS DEWS III Management and Therapy Report - Lyndon Jones et al. – American Journal of Ophthalmology, May 2025.
16. Intense Pulsed Light for the Treatment of Dry Eye Owing to Meibomian Gland Dysfunction – Vigo, L. et al. – Journal of Visualized Experiment (2019), N°146.
17. Meibum Expressibility Improvement as a Therapeutic Target of Intense Pulsed Light Treatment in Meibomian Gland Dysfunction and Its Association with Tear Inflammatory Cytokines – Choi, M. et al. – Scientific Reports (2019), Vol. 9.
18. TFOS DEWS II Pain and Sensation Report – Belmonte Carlos, et al. – The Ocular Surface (2017), Vol. 15.
19. Analysis of Cytokine Levels in Tears and Clinical Correlations After Intense Pulsed Light Treating Meibomian Gland Dysfunction – LIU, R et al. – American Journal of Ophthalmology (2017).
20. Effect of inflammation on lacrimal gland function – Driss Zoukhri – Experimental Eye Research, May 2006; 82(5): 885–898.
21. Aqueous deficiency is a contributor to evaporation-related dry eye disease – Charles W. McMonnies – Eye and Vision (2020) 7:6.
22. Efficacy and safety of intense pulsed light of upper and lower eyelids in Meibomian gland dysfunction: A prospective multicentric study - Benítez-del-Castillo JM et al., Eur J Ophthalmol. 2023.
23. Intense pulsed light treatment for dry eye disease due to meibomian gland dysfunction; safety and efficacy in a randomized controlled study. Toyos R, McGill W, Briscoe D. - Photobiomodul Photomed Laser Surg. 2018;36(5):241-250.
24. Intense pulsed light treatment of the upper and lower eyelids in patients with moderate-to-severe meibomian gland dysfunction. Arita R, Fukuoka S, Morishige N. J Clin Med. 2022;11(12):3581.
25. Efficacy and safety of intense pulsed light delivered by the C.STIM® for treatment of Meibomian gland dysfunction - R. Auger, M.C. Trone, E. Chhuu, S. Poinard, G. Thuret, P. Gain – Journal Français d’Ophtalmologie, May 2024, Vol. 47, Issue 5.
26. Effects of Intense Pulsed Light on Presumed Neuropathic Pain Associated with Meibomian Gland Dysfunction: A Before-After Study – G. Hoarau, A.L. Best, S. Zina-Meziou, M. Benali-Abdallah, M. Loukil, Magalie Bouvet, E. Barreau, A. Rousseau, M. Labetoulle - Journal of Ocular Pharmacology and Therapeutics, January 2025, Vol. 41, No. 1.
27. Therapeutic Efficacy and Safety of Intense Pulsed Light for Refractive Multiple Recurrent Chalazia – R. Arita and S. Fukuoka - J. Clin. Med. 2022, 11(18), 5338.
28. Novel treatment of chalazion using light-guided-tip intense pulsed light – Y. Zhu, H. Zhao, X. Huang, L. Lin, Y. Huo, Z. Qin, J. Lu & X. Jin - Scientific Reports (2023) 13:12393.

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