

ATP38®

BY BIOTECH DENTAL

Boost the **repairing**
power of cells





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INNOVATIVE SOLUTION

**An innovative solution for wound healing,
anti-inflammatory relief and analgesic
support.**

As pioneers in our sector, we are exploring new ways of thinking,
creating and providing you tomorrow's therapeutic innovations.

The Biotech Dental Group is, in this sense, the first major player
from the dental sector to provide practitioners with a unique
product based on photobiomodulation: ATP38®.

Through our exclusive medical device, we are actively working
with you to shape a new era in both dentistry and patient
experience, by redefining conventional treatment.



ATP38® OUR TECHNOLOGY

An ergonomic & flexible system

Equipped with an articulated arm for optimum adaptability, our device uses athermal technology, meaning no significant heat for the patient, semi-conductive, collimated monochromatic technology for simple and effective use on both the face and body.

An exclusive, painless and non-invasive treatment

This class IIa medical device ensures precise treatment dosimetry, delivered by three panels each equipped with six wavelengths, covering a spectrum from 452 nm to 875 nm. With its antibacterial powder-coated finish, it complies with medical standards.



An innovation designed to ease your daily life

With its simple, intuitive digital interface, the ATP38® provides a customised space for each of your patients. Protocols are short and tailor-made, ranging from 2 to 20 minutes, and the device is supplied with more than 150 pre-defined programmes, including more than 30 specifically dedicated to dentistry.



BLUE
452 nm to 457 nm



GREEN
525 nm to 530 nm



AMBER
590 nm to 595 nm



RED
618 nm to 630 nm

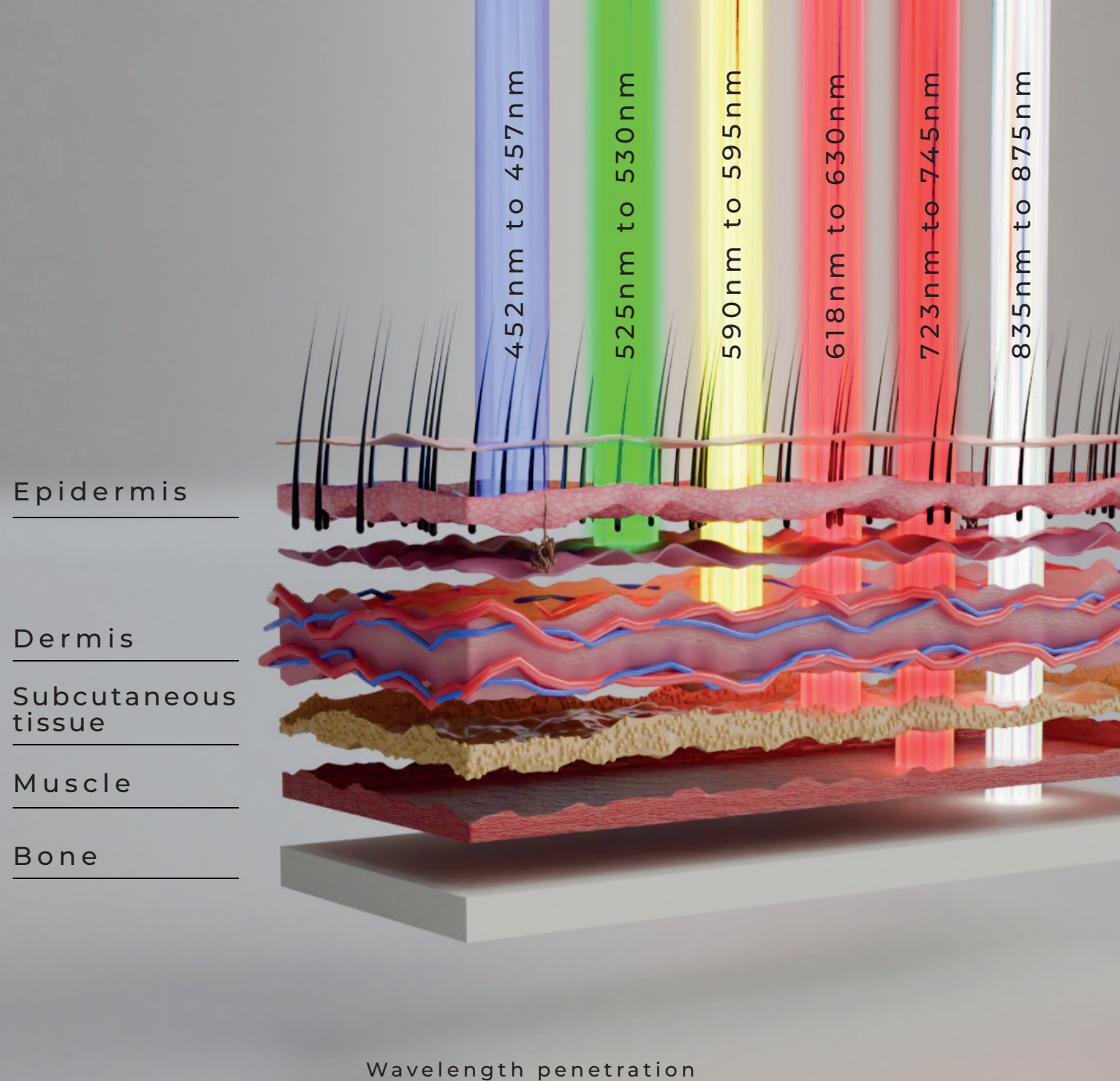


DEEP RED
723 nm to 745 nm



INFRARED
835 nm to 875 nm





INTRODUCTION TO PHOTOBIO-MODULATION

Medical device based on photobiomodulation:

Photobiomodulation, or Low Level Laser Therapy (LLLT), is a **non-invasive medical treatment** involving the diffusion of natural waves to **stimulate cell activity and regeneration**. Depending on therapeutic needs, specific wavelengths are selected to target different problems and boost cell regeneration.

The beneficial effects of light have been proven for centuries, and photobiomodulation was applied by NASA in the 1990s to treat lesions suffered by astronauts.

Photobiomodulation is rapidly expanding and is undergoing **extensive research**, with over 9,000* clinical studies and scientific articles on Low Level Laser Therapy!

Photobiomodulation is recognised for **its safety and security**, its side-effects, which are very rare, and its effectiveness in a wide range of treatments. ATP38® is particularly popular in oncology, dentistry, physiotherapy and many other clinical fields. This technology is also valued in dermatology and aesthetic medicine, and more generally in the well-being sector.

*Search results for "lllt" on PubMed.com

AN ALLY IN YOUR DAILY PRACTICE

ATP38® in dental practice



ORTHODONTICS

ATP38® improves bone healing, shortens treatment times and reduces inflammation and pain, improving patient comfort.



PERIODONTOLOGY

The medical device accelerates healing and reduces inflammation, optimising the treatment.



IMPLANTOLOGY

After bone surgery, there is better regeneration. After implant placement, osseointegration is improved. And after complex surgery, the treatment produces an analgesic and anti-inflammatory effect.



GENERAL PRACTICE

ATP38® reduces pain and inflammation, speeds healing and improves the overall patient experience.

General practice

ATP38® provides benefits in everyday treatments:

- TMJ pain¹
- Oral mucositis²
- Herpes³
- Lichen planus⁴
- Gingivitis⁵
- Extraction
- Oedema⁷
- Prosthetic injury...

Periodontology⁸

In periodontology, ATP38® has 2 main benefits:

- Accelerate healing
- Reduce inflammation

(1) « Evaluation of pain, jaw movements, and psychosocial factors in elderly individuals with temporomandibular disorders under laser phototherapy. » Rodrigues JH, Marques MM, Blasotto-Gonzalez DA, Moreira MS, Bussadori SK, Mesquita-Ferrari RA - 2013 / (2) « Low level laser therapy (LLLT): A new paradigm in the management of cancer therapy-induced mucositis? » René-Jean Bensadoun - 2006 / (3) « The effects of 830nm light-emitting diode therapy on acute herpes. Zoster Ophthalmicus: A Pilot Study. » Park KY, Han TY, Kim IS, Yeo IK, Kim BJ, Kim MN - 2013 / (4) « Clinical evaluation of the efficiency of low-level laser therapy for oral lichen planus: a prospective case series. » Cafaro A, Arduino PG, Massoloni G, Romagnoli E, Broccolotti R - 2013 / (5) « Gingivite chronique : la prévalence de pathogènes parodontaux et l'efficacité de la thérapie LLLT. » Igić M, Kesić L, Leković V, Apostolović M, Mikailović D, Kostadinović L, Milasin J - 2012 / (6) « Influence of superpulsed laser therapy on healing processes following tooth extraction. » Mozzati M, Martinasso G, Cocero N, Pol R, Maggiora M, Muzio G, Canuto RA - 2011 / (7) « Placebo-controlled randomized clinical trial of the effect of two different low-level laser therapies (LLLT) - intraoral and extraoral—on trismus and facial swelling following surgical extraction of the lower third molar. » Aras MH, Güngörmüş M - 2009 / (8) « La thérapie LLLT pour gérer la maladie parodontale: un concept valable ? » Low SB, Mott A - 2014

ORTHODONTIC LEVERAGE WITH ALIGNERS OR BRACES

**Accelerate orthodontic treatment:
the difference you can make and convince
your patients to take the plunge!**

- Reduce inflammation¹ and pain
- Help bone healing²
- Shorten treatment time^{3,4}: 1 week per aligner

(1) Lo Giudice A, Nucera R, Perillo L, Paiusco A, Caccianiga G. Is Low-Level Laser Therapy an Effective Method to Alleviate Pain Induced by Active Orthodontic Alignment Archwire? A Randomized Clinical Trial. *J Evid Based Dent Pract.* 2019 Mar;19(1):71-78. doi: 10.1016/j.jebdp.2018.11.001. Epub 2018 Nov 22. PMID: 30926104.

(2) Ge MK, He WL, Chen J, Wen C, Yin X, Hu ZA, Liu ZP, Zou SJ. Efficacy of low-level laser therapy for accelerating tooth movement during orthodontic treatment: a systematic review and meta-analysis. *Lasers Med Sci.* 2015 Jul;30(5):1609-18. doi: 10.1007/s10103-014-1538-z. Epub 2014 Feb 20. PMID: 24554452.

(3) Al-Dboush, Ra'ed, Anahita Naseri Estahani, et Tarek El-Bialy. « Impact of photobiomodulation and low-intensity pulsed ultrasound adjunctive interventions on orthodontic treatment duration during clear aligner therapy »: *The Angle Orthodontist* 91, n° 5 (septembre 2021): 619-25.

(4) Caccianiga, G., C. Crestale, M. Cozzani, A. Piras, S. Mutinelli, A. Lo Giudice, et G. Cordasco. « Low-Level Laser Therapy and Invisible Removal Aligners ». *Journal of Biological Regulators and Homeostatic Agents* 30, n° 2 Suppl 1 (juin 2016): 107-13.

INTERVIEW

**Our patient Moana Munoz shares her experience with ATP38®
during her Smilers® treatment**

Find out more by scanning the QR code!



IMPLANTOLOGY ADVANTAGES¹

Triple-action: accelerate healing, lower inflammation and reduce pain!



**BONE
SURGERY**

ATP38® stimulates and improves bone tissue regeneration, while accelerating healing after surgery.



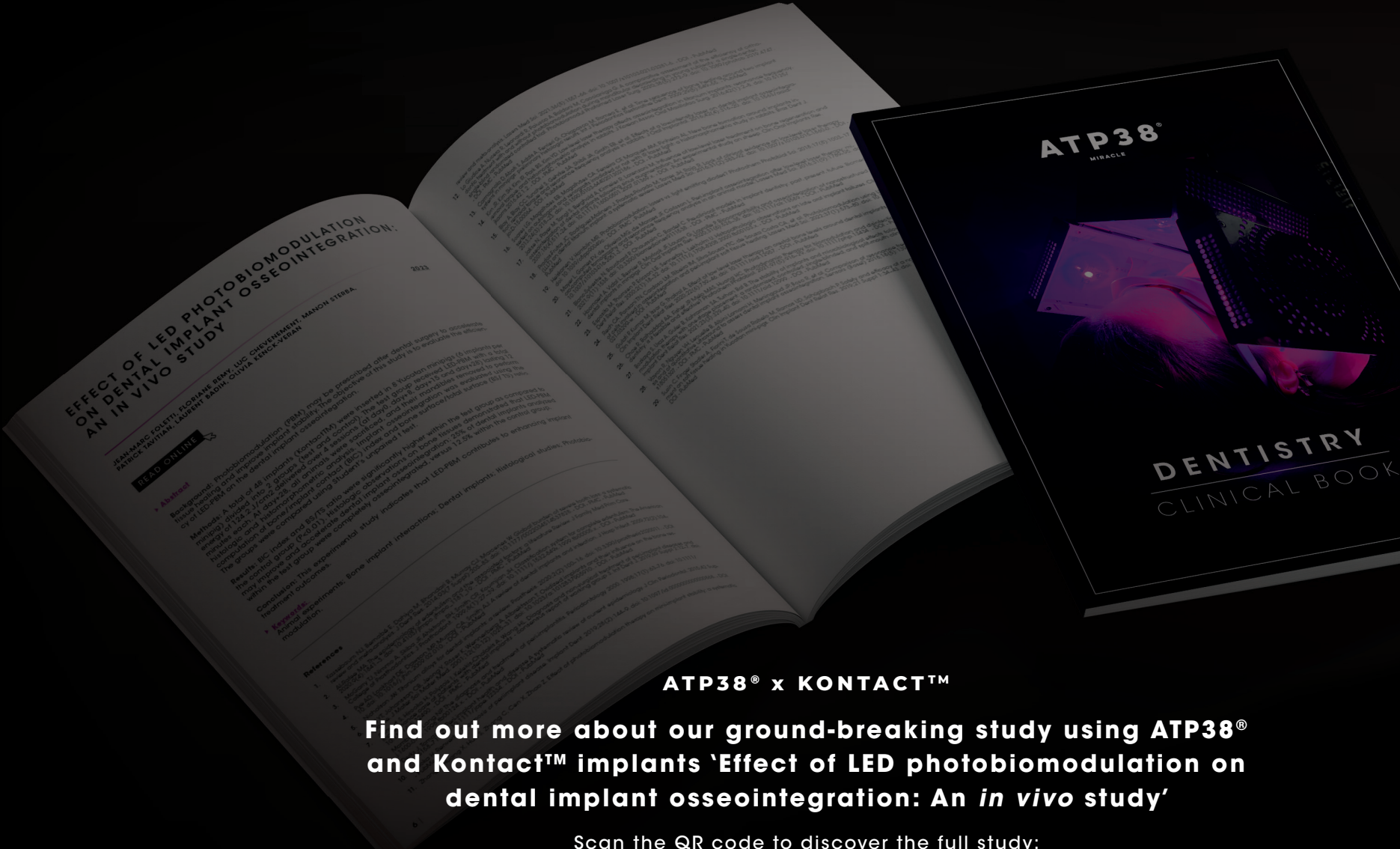
**AFTER IMPLANT
PLACEMENT**

Our medical device improves osseointegration, especially by accelerating healing and reducing inflammation after implant placement.



**AFTER COMPLEX
SURGERY**

Thanks to its analgesic and anti-inflammatory effects, ATP38® reduces pain and inflammation, improving the patient's comfort after surgery.



ATP38® x KONTACT™

Find out more about our ground-breaking study using ATP38® and Kontact™ implants 'Effect of LED photobiomodulation on dental implant osseointegration: An *in vivo* study'

Scan the QR code to discover the full study:
'Effect of LED photobiomodulation on dental implant osseointegration: An *in vivo* study',
by Foletti JM, Remy F, Chevenement L, Sterba M, Tavitian P, Badih L, Kenck-Veran O., published
on the 3rd April 2023



(1) • Effect of LED photobiomodulation on dental implant osseointegration : an *in vivo* study • Jean-Marc Foletti, Floriane Remy, Luc Chevenement, Manon Sterba, Patrick Tavitian, Laurent Badih, Olivia Kenck-Veran, 2023

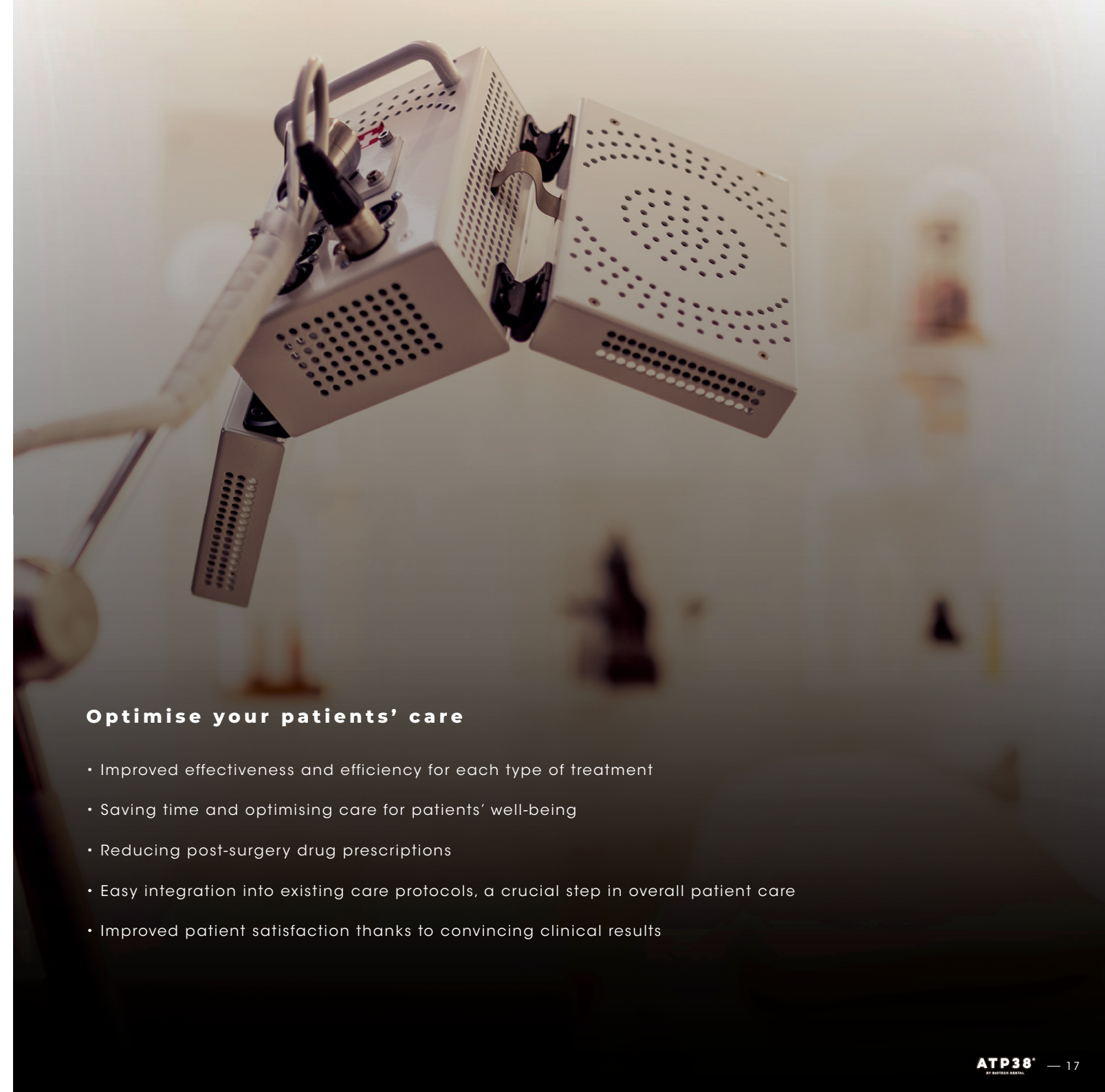
MANY BENEFITS FOR YOUR PRACTICE

Highlight your image and attractiveness

- Modernity and innovation, focused on patient well-being
- Top-of-the-range image, the most prestigious and advanced dental practices
- Improving your expertise through cutting-edge technology
- Optimised patient experience, encouraging word of mouth

Vary your business

- Distinction thanks to a high-tech medical device, still exclusive to dentistry
- Complementary and alternative solution to conventional treatments
- Diversifying the healthcare offering
- Possible new source of income for dental practices



Optimise your patients' care

- Improved effectiveness and efficiency for each type of treatment
- Saving time and optimising care for patients' well-being
- Reducing post-surgery drug prescriptions
- Easy integration into existing care protocols, a crucial step in overall patient care
- Improved patient satisfaction thanks to convincing clinical results

NEW PATIENT'S EXPERIENCE

**Redefine the patient experience in dentistry:
innovation, well-being and practitioner expertise**

- Significant improvement in the overall patient experience
- Time saved by accelerating wound healing
- Effective pain relief
- Reduced inflammation
- Non-invasive device, a natural alternative to drug prescriptions
- Improved understanding of dental care, focused on patients' well-being
- Enhance and strengthen the positive image of your practice
- Be an expert and innovative practitioner
- Increased patients' loyalty
- Differentiate your practice with a larger patient base



A REFERENCE FOR HEALTHCARE PROFESSIONALS

**ATP38® has become a must-have
for many years now**



DENTAL

- Orthodontics
- Implant surgery
- Periodontology
- General practice



MEDICAL

- Oncology
- Rheumatology
- Neurology



SPORT

- Physiotherapy
- Osteotherapy
- Natural medicine



AESTHETICS

- Dermatology
- Wrinkles reduction
- Facial rejuvenation
- Hair regeneration



WELL-BEING

- Relaxation
- Energy booster
- Stress management
- Anxiety reduction



ATP38® COMMUNITY



“ Low-energy laser therapy (LLLT or photobiomodulation) has become one of the fastest-growing medical fields in recent years. Photobiomodulation has undergone something of a breakthrough, and we have seen an evolution in this practice, which has long been identified as an alternative and complementary medicine. The change in its perception by the medical profession and the general public has placed it at the heart of modern medicine. ”

Prof. René-Jean Bensadoun

Oncologist Nice, France
WALT President (2021 - 2024)
(World Association of Photobiomodulation Therapy)



Madonna

@Madonna
Madonna, a famous user of ATP38®, has no less than four machines to benefit from her treatments all over the world!

**Dr. Miguel Stanley
recommend the ATP38®**

‘ It’s simple, we can’t do without it! ATP38® is an essential technology in our White Clinic practices. We use it for all types of surgery, from the simplest to the most complex.

We also use it to speed up orthodontic movements and for facial aesthetics.

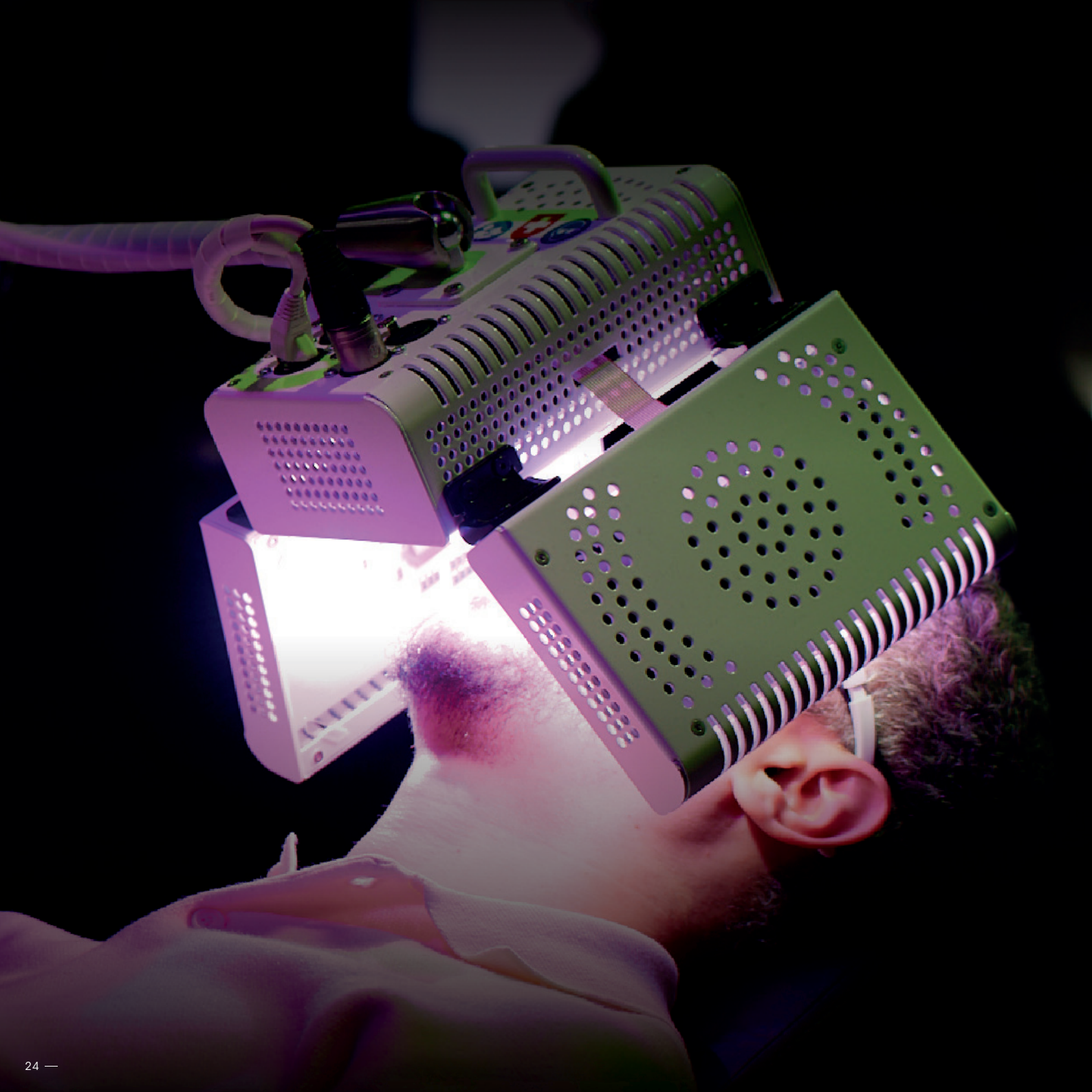
Today, no technology can match ATP38®’s ability to ease pain and accelerate healing.’

Dr. Miguel Stanley

Dental surgeon in Portugal, United Kingdom and Dubai. Founder and Director of the White Clinic, Co-Founder of the Slow Dentistry Global Network and Vice President of the Digital Dentistry Society



Explore our world map to find out which of your peers are already equipped, and join the ATP38® community today!



TAILOR-MADE SUPPORT

Biotech Dental provides you with a complete range of services and equipment dedicated to your practice with the ATP38®

-  Customer service and technical support available and based in Switzerland and France
-  2-year guarantee
-  Exclusive communication tools for your patients
-  Free access to our ATP38® webinars organised by Biotech Dental
-  Personal invitation to join the ATP38® Community
-  Web visibility:
world map integration on our biotechdental.com website

... And, of course, personal support from your Biotech Dental sales representative (financing, organisation, image, patient communication, etc.)!





For more information, contact your
Biotech Dental sales representative or
contact our experts at info@atp38.com



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@atp38photobiomodulation



@ATP38

Manufactured by: Swiss Bio Inov - Distributed by: Biotech Dental.

Class IIa medical device. Technology for medical applications: analgesic, anti-inflammatory, wound healing. CE0459.

Must be used by qualified and trained healthcare professionals. Protective goggles must be worn by both practitioner and patient. Contraindicated for patients with pacemakers, epileptic patients, pregnant women and pre-pubescent children. Non contractual visuals. No refund from French social security. Read the IFU instructions carefully.

Biotech Dental - A simplified company limited by shares (S.A.S.) with a capital of 24,866,417 € - Corporate and Trade Register of Salon de Provence: 795 001 304 - SIRET: 795 001 304 00018 - No. VAT: FR 31 79 500 13 04. Do not litter in public areas. Printed by VALLIERE - 163, Avenue du Luxembourg - ZAC des Molières - 13140 Miramas - France.