

INTENSE IR



Presentation intenseIR®

VYDENCE
CONTINUING MEDICAL EDUCATION Program

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reviewed and approved by **Antonio Olivatto**

proprietary and confidential

see more at:

vyndence
LASER ACADEMY tv



ETHEREA-MX® PLATFORM



LEADER IN THE WORLD'S SECOND-LARGEST AESTHETICS MARKET



- Maximum versatility;
- LASER and light technologies;
- 70+ treatment indications;
- LASER for all types of skin;
- Always with new technologies;
- Greater profitability and return;
- Compact design that is easy to transport;
- Reliable: second-generation platforms;
- Powerful and with proven results;
- Easily changeable handpieces, plug-and-play;
- Dual voltage, with no need for a voltage stabilizer;
- International standard, FDA approved;
- Sold in nearly 20 countries.

ProDeep®
Nd:YAP 1340 nm
For deep epidermal nonablative fractional LASER treatments.



GoSmooth®
Er:GLASS 1540 nm
Gold standard technology for non-ablative LASER skin resurfacing.



LongPulse®
Nd:YAG 1064 nm
Nd:YAG LASER with variable pulse modes.



ACROMA-QS®
Nd:YAG 1064/532 nm
Dual-wavelength Fractional Q-switched LASER with optional fractional spot.



IPL-Sq®
Intense Pulsed Light Square-Wave Pulse Technology and all-in-one available cut-off filters.



DualMode®
Er:YAG 2940 nm
Powerful, dual-effect Er:YAG with improved coagulation effect.



intenseIR®
Infrared Light
Hi-powered IR light for skin tightening of the body and face.



ATHENA®
DualMode® Accessory
intimate LASER treatment for women's health and wellness.



etherea^{MX} | Z Y E

INTENSE IR

intenseIR[®]: science and technology

TREATMENTS FOR FLACCIDITY

Non-ablative treatments

Radiofrequency

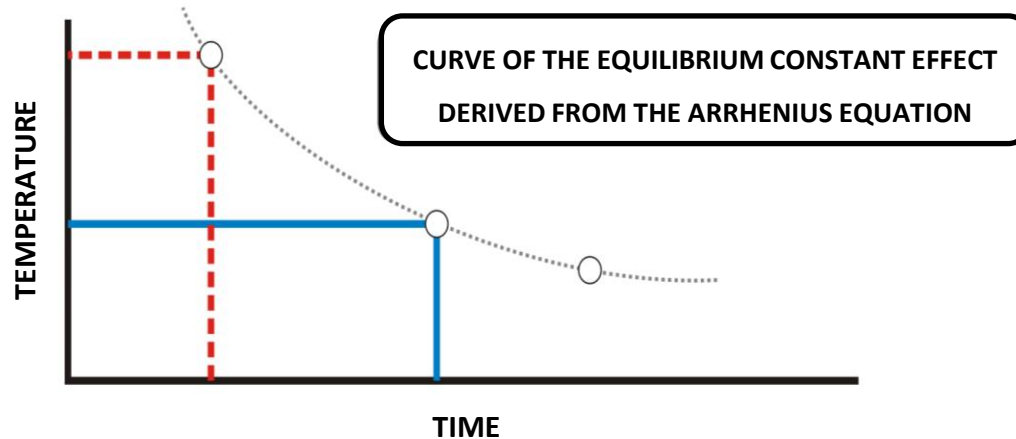
High-power infrared

High-power infrared

Better interaction between light and tissue

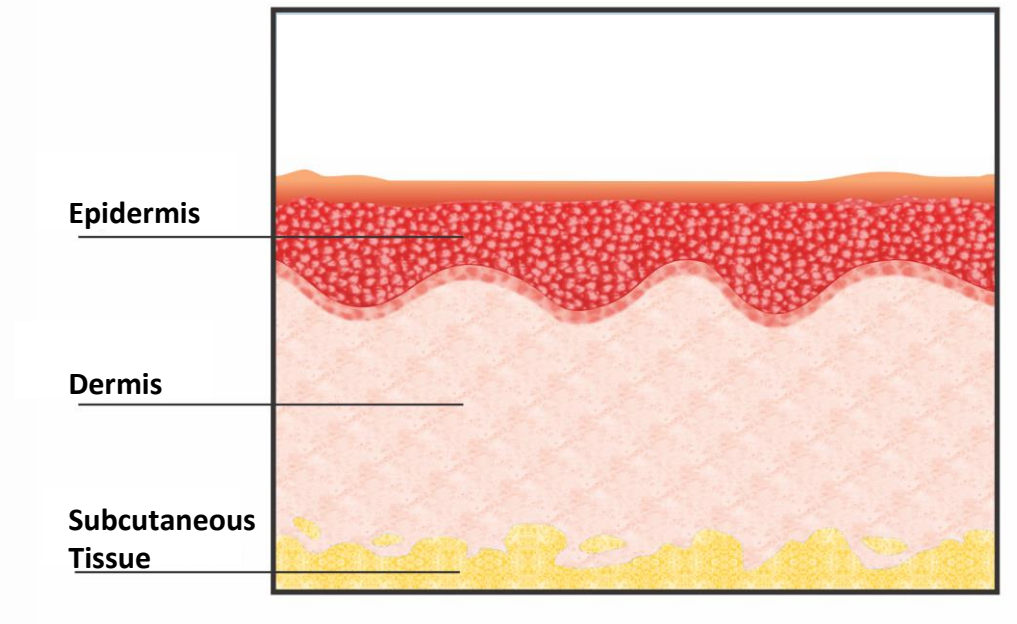
Greater security in the parameterization of the treatment

TREATMENTS FOR FLACCIDITY



Denaturation of collagen during the exposure cycle always occurs according to the ratio between the heating time and the temperature (the ratio between the application time and high-energy is reflected in good results).

TREATMENTS FOR FLACCIDITY



Heating in the dermis, approximately 2 to 4 mm of depth, provoking immediate contraction and stimulation of remodeling of the collagen.

- Treatment with long-term results (approximately 6 months)

INTENSE IR

intenseIR[®]: features & technology

FEATURES & TECHNOLOGY

INTENSE IR

TECHNICAL CHARACTERISTICS



	intenseIR
Wavelength	Infrared Light 850 to 1800 nm
Maximum energy	130 J/cm ²
Contact Cooling	Levels from 1 to 5 (5° to 20°C)
Shot time	3 to 10 seconds
Pre- and post-cooling	0 to 5 seconds

FEATURES & TECHNOLOGY

INTENSE IR

TECHNICAL CHARACTERISTICS

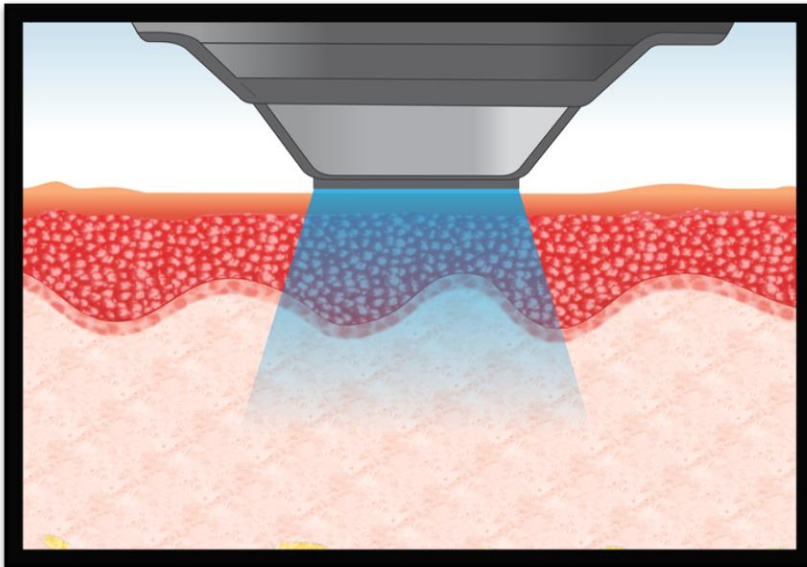


- **intenseIR®** High-energy infrared light source;
- Broad spot size, with 30 x 10 mm;
- Subdermal heating, inducing the growth of new collagen. Indicated for skin tightening.

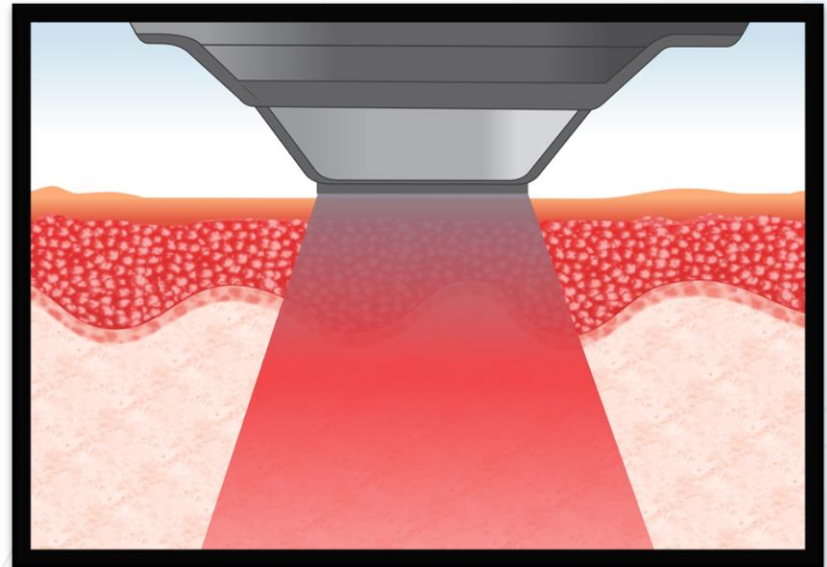
FEATURES & TECHNOLOGY

INTENSE IR

STATIC MODE



Pre-cooling protects the epidermis, avoiding damage after the application

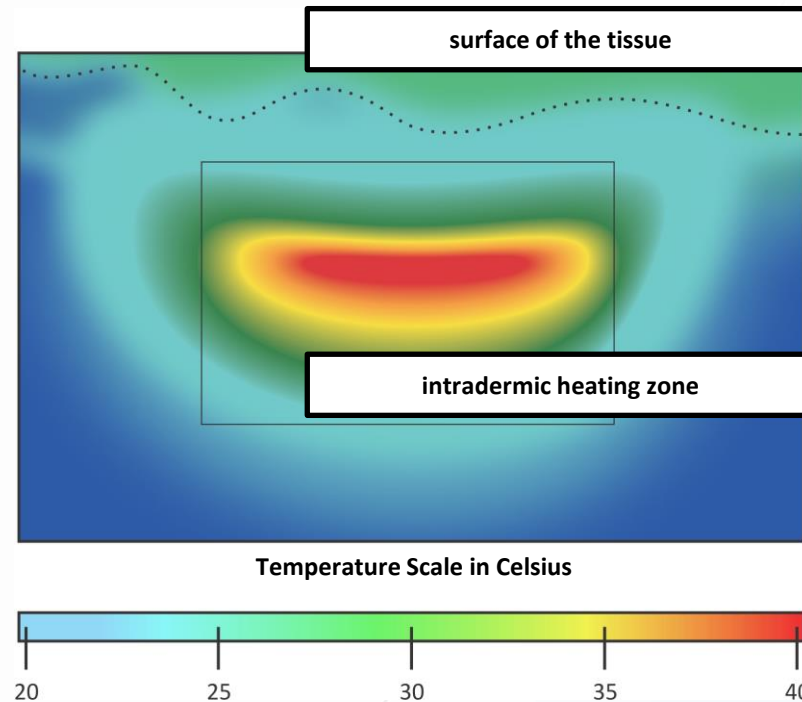


Deep heating of the tissue, with water being the target chromophore

FEATURES & TECHNOLOGY

INTENSE IR

STATIC MODE



The image shows the heating in the target tissue. The adjacent areas are protected and cooled. The epidermis is maintained at a safe temperature (less than 40°C).

INTENSE IR

intenseIR[®]: interface and parameterization

INTERFACE AND PARAMETERIZATION

INTENSE IR

INTERFACE – ETHEREA

The screenshot shows the INTENSE IR control panel with the following elements:

- Fluence:** 39 J/cm² (indicated by a yellow callout box on the left)
- Shot time:** 3 s (indicated by a yellow callout box on the left)
- Pre-cooling:** 2 s (indicated by a yellow callout box on the right)
- Post-cooling:** 0 s (indicated by a yellow callout box on the right)
- Buttons:** Home, directional arrows, power, user profile, and COUNTER/RESET.
- Callouts:** A dashed box on the right indicates "automatic recognition of the handpiece and spot".

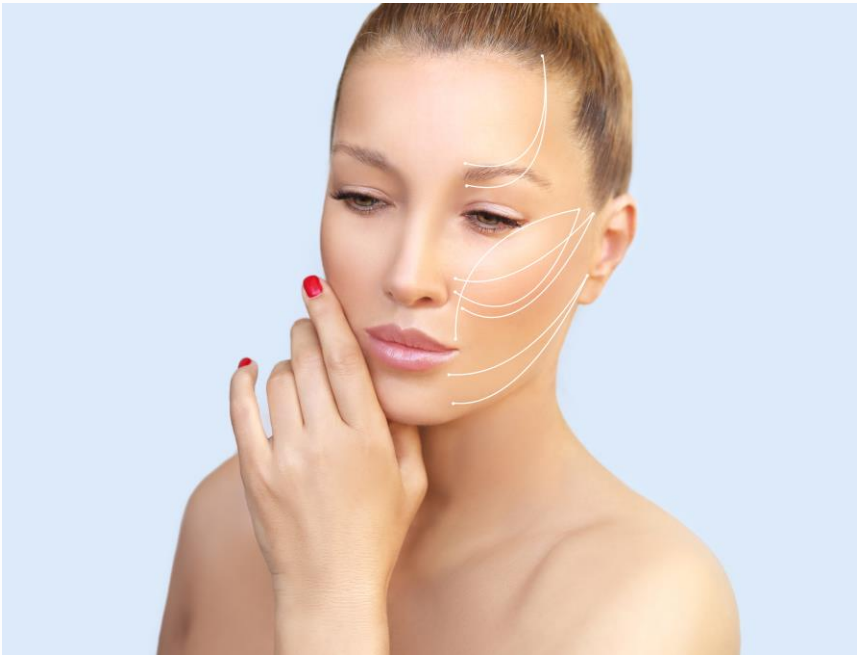
INTENSE IR

intenseIR[®]: practice and training

PRACTICE AND TRAINING

CLINICAL GUIDE – STATIC TECHNIQUE

INTENSE IR



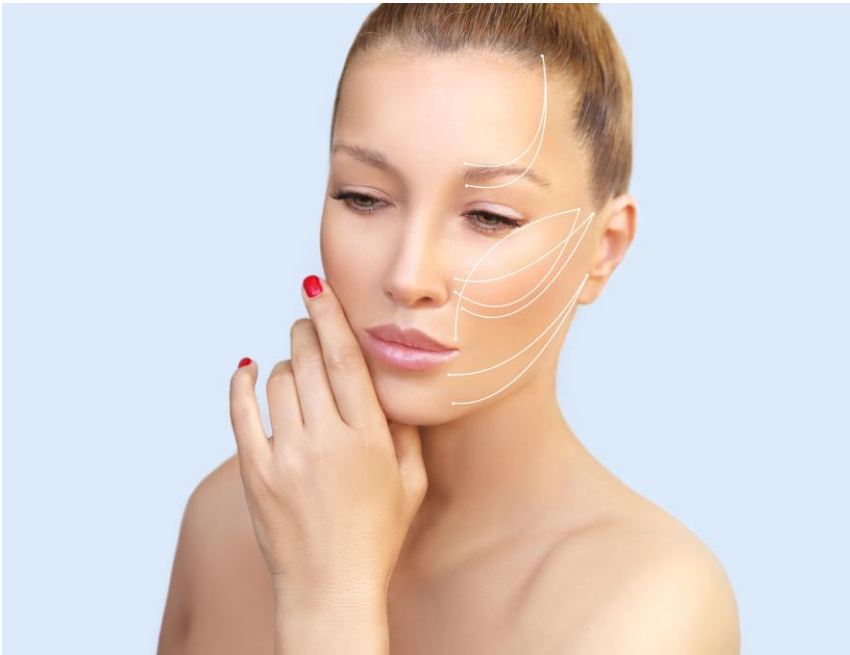
USAGE PARAMETERS

Fluence:	39 to 130 J/cm ²
Shot time	5 to 10 seconds
Cooling level:	5
Pre-cooling:	3 to 5 seconds
Post-cooling	0
Contact:	Does not require mineral oil

PRACTICE AND TRAINING

INTENSE IR

CLINICAL GUIDE – DYNAMIC TECHNIQUE



USAGE PARAMETERS

Fluence:	32.5 to 130 J/cm ²
Shot time	5 to 10 seconds
Cooling level:	5
Pre-cooling:	0
Post-cooling	0
Contact:	Use mineral oil or glycerine

CLINICAL GUIDE – CONTRAINDICATIONS

- Pregnant or nursing patients;
- Systemic and immunodeficiency illnesses;
- Active infectious processes;
- History of cardiac problems (pacemaker, arrhythmia, etc.);
- Injured skin or illness located in the treatment area (malignant lesions);
- Area with filling of non-reabsorbed or phagocytosed substances;
- Use of photosensitizing drugs, such as isotretinoin;
- Absence or decrease of sensitivity in the area to be treated

PRACTICE AND TRAINING

CLINICAL GUIDE PRE- AND POST-CARE TREATMENT

PRE TREATMENT	POST TREATMENT
<ul style="list-style-type: none">• Remove cremes and/or lotions before the application;• Remove hair from the area if there is significant body hair;• Observe clinical response and pay attention to patient pain;• Provider and patient must use protective glasses.	<ul style="list-style-type: none">• Apply local topical corticoid, if necessary;• Avoid exposure to the sun for at least 30 days.

PRACTICE AND TRAINING

MY PRACTICE VYDENCE

INTENSE IR



The MyPractice is a continued medical education program proposed by VYDENCE® to the doctors that use our products and technologies may share their experiences in a practical and quick way.



» My Practice Online

INTENSE IR

**intenseIR®:
care and
preventative maintenance**

CARE AND MAINTENANCE

INTENSE IR

CARE AND PREVENTATIVE MAINTENANCE



- Cleaning the Safire with 70% alcohol and remove any gel or glycerin residue;
- Clean after of each application;
- Pro rata guarantee of the handpiece: 30.000 shots;
- Damage from falls or misuse (usage not in accordance with the recommendations) is not covered;
- Careful during transportation, misalignment can result in ineffective treatment;
- Send the handpiece to technical support after reaching the recommended number of shots.

CARE AND MAINTENANCE

INTENSE IR

CARE AND PREVENTATIVE MAINTENANCE



WATCH NOW

Learn more about maintenance procedures on our channel

vydence  LASER ACADEMY 

- Use only deionized water;
- Replace all the water in the reservoir annually;
- Change the deionizing filter annually;
- Annual inspection of the platform and handpieces.

INTENSE IR

intenseIR[®]: cases and results

CASES AND RESULTS

INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE

AFTER 1ST SESSION

CASES AND RESULTS

INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 2ND
SESSION

CASES AND RESULTS

INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 2ND
SESSION

CASES AND RESULTS

INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 2ND
SESSION

CASES AND RESULTS

INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 1ST
SESSION

CASES AND RESULTS

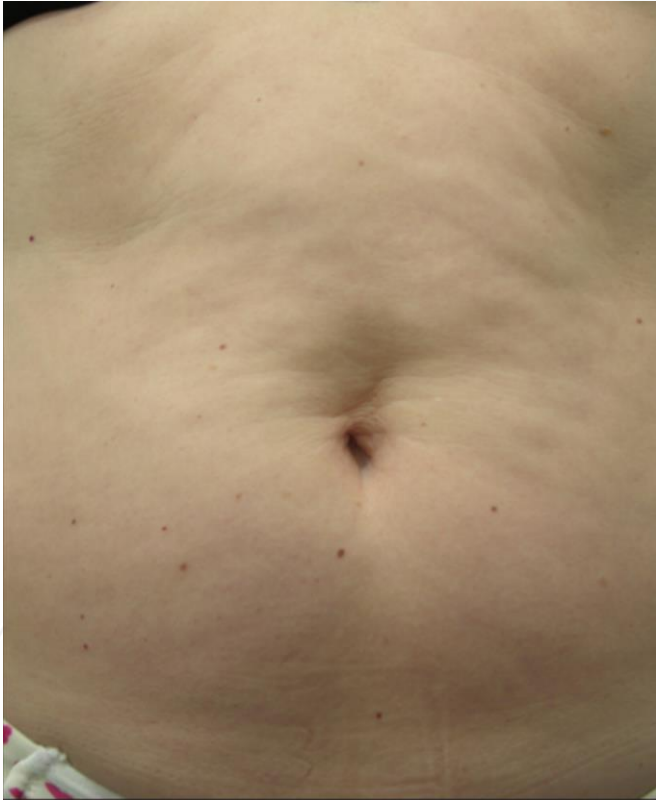
INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 2ND SESSION

CASES AND RESULTS

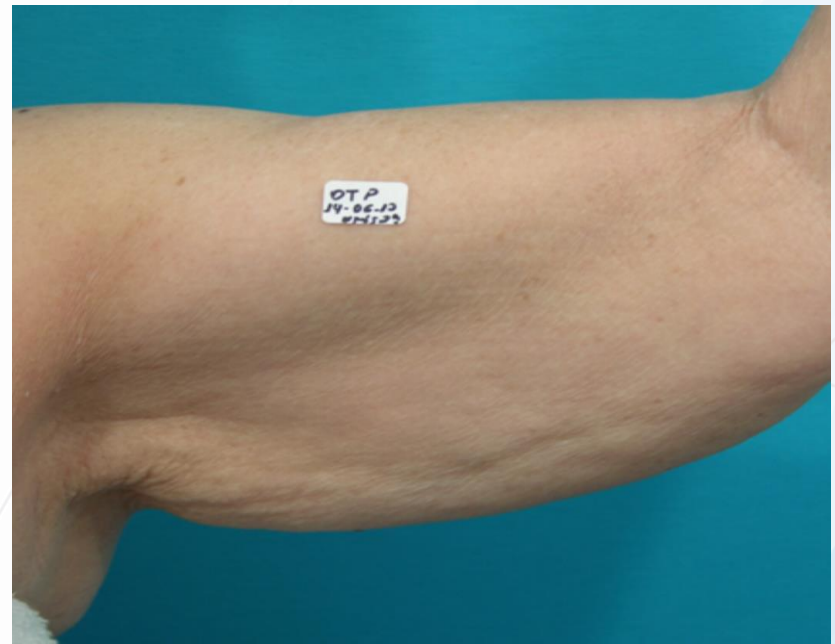
INTENSE IR

SKIN TIGHTENING

Photo from VYDENCE Training Center
São Paulo, SP



BEFORE



AFTER 2ND
SESSION

1. Dierickx CC. The role of deep heating for noninvasive skin rejuvenation. *Lasers Surg Med* 2010;38(9):799–807.
2. Chan HH, Yu C, Shek S, Yeung C, Kono T, Wei W. A prospective, split face, single-blinded study looking at the use of an infrared device with contact cooling in the treatment of skin laxity in Asians. *Lasers Surg Med* 2010;40(2):146–152.
3. Yu CS, Yeung CK, Shek SY, Tse RK, Kono T, Chan HH. Combined infrared light and bipolar radiofrequency for skin tightening in Asians. *Lasers Surg Med* 2010;39(6):471–475.
4. Sadick NS. Update on non-ablative light therapy for rejuvenation: A review. *Lasers Surg Med* 2003;32(2):120–128.

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Thank you

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