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LASER **AND**
RADIOFREQUENCY
IN AESTHETIC
MEDICINE



Officina Editoriale Oltrarno

LASER AND RADIOFREQUENCY IN AESTHETIC MEDICINE

*Isabelle Catoni, Marie Jeanne Miniconi, Alessandra Cosma,
Firas Al-Niaimi, Fabio Marini, Domenico D'Angelo,
Joelle Huth, Giorgio Maullu, Roberto Dell'Avanzato,
Giulia Dell'Avanzato, Haykal Diala*

Editorial project:
Davide Di Maggio

Customer management:
Andrea Ortolani
andrea@oeofirenze.com

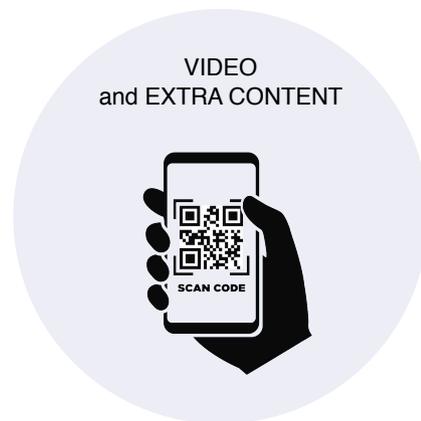
Layout:
Carlotta Antichi

Graphic Web Page:
Roberta Dolce

Production secretary:
Carlotta Cirri

Officina Editoriale Oltrarno S.r.l. - Firenze

www.oeofirenze.com - info@oeofirenze.com



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GENERAL INDEX

CHAPTER 1 - FACIAL AGING AND LASER TREATMENTS

by Isabelle Catoni and Marie Jeanne Miniconi

Facial aging and laser treatments	12
Two types of aging	12
Superficial dermal senescence: colour anomalies	12
Brown colours	12
Red colours: due to vascular modifications	14
Deep dermal senescence	14
Surface anomalies	14
Tonicity abnormalities	15
The laser treatments	15
How to treat colour anomalies brown colours	16
Red colours	18
Hyperpilosity treatments	20
Treatments for tonicity anomalies	22
Treatments for surface anomalies	22
CO ₂ lasers	22
Erbium yag lasers	24
Nd yag q switched lasers	24
Fractionated lasers	26
Non ablative fractionated lasers	26
Ablative fractionated lasers	27
Clinical cases with fractionated lasers	28
Case 1: acne scars	28
Case 2: cheek sebaceous hyperplasia	28
Case 3: heliodermia of the peribuccal area	29
Conclusions	29

CHAPTER 2 - ERBIUM YAG LASER-DIODO 760/808NM

by Alessandra Cosma

Erbium Yag Laser	34
Alexpro - Diodo 760/808nm: diode power with all the advantages of alexandrite wavelength	36
Motion speed	37
Super Burst	37
Long pulse	37

CHAPTER 3 - LASER COMPLICATIONS IN DERMATOLOGY AND AESTHETIC MEDICINE

by Firas Al-Niami

Introduction	42
Expected side-effects	42

Laser complications	43
Acneiform eruptions/milia	43
Purpura	43
Contact dermatitis	44
Urticaria/dermographism	44
Line of demarcation	44
Hyperpigmentation	44
Hypopigmentation	45
Epidermal injury (crusting/vesiculation)	46
Paradoxical hypertrichosis	47
Prolonged post laser resurfacing erythema	47
Infections	48
Indentations	48
Scarring	49
Ocular damage	50
Conclusions	50

CHAPTER 4 - LASER COMPLICATIONS

by Fabio Marini, Domenico D'Angelo

Introduction	54
Short-term side effects	54
Pain	54
Edema	55
Itching	55
Purpura	55
Contact dermatitis	56
Bacterial infections	56
Fungal infections	57
Viral infections	57
Other infections	57
Long-term side effects	58
Milia	58
Acne	58
Erythema	58
Hyperpigmentation	59
Hypopigmentation	60
Scars	61
Synechia	61
Other side effects	61
Safety-related complications	62
Eyes	62
Contamination from personnel	62
Safety requirements	62
Conclusions	63

CHAPTER 5 - RADIOFREQUENCY MY EXPERIENCE

by Joelle Huth

Radiofrequency: my experience	68
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Principles of radiofrequency	68
The selection of patients and the technique	69
Clinical cases	71
Case 1: full face treatment	71
Case 2: marionette lines	71
Case 3: eyelids wrinkles	72
Case 4: lip radiofrequency	72
Conclusions	72

CHAPTER 6 - THE EVOLUTION OF RADIOFREQUENCY IN AESTHETIC MEDICINE

by Alessandra Cosma

The evolution of radiofrequency in aesthetic medicine	76
SkinTite: fractional radiofrequency with needles	79

CHAPTER 7 - RADIOFREQUENCY ATTIVA S.I.H. TECHNOLOGY

by Giorgio Maullu

ATTIVA S.I.H. Technology	84
Evolution and use of radiofrequency in aesthetic medicine	85
Method of treatment	88
Therapeutic programs: use and operating method	90
Rational and effectiveness	90
The world of ATTIVA GYNÈ	92

CHAPTER 8 - ENDOLIFT® LUNCH-TIME LIFTING WITH NO DOWNTIME

by Roberto Dell'Avanzato, Giulia Dell'Avanzato

Introduction	96
Materials and methods	98
Discussion	99
Conclusions	101

CHAPTER 9 - FIND A NEFERTITI NECK! PHOTOREJUVENATION OF THE NECK, AND DÉCOLLETÉ

by Haykal Diala

Who among us did not make this gesture in front of his mirror?	104
The causes incriminated in the aging of the skin	104
Intrinsic aging	104
Extrinsic aging	105
Aging of subcutaneous structures: Muscles, Bones, Fat	106
Treatments	106
What to do for pigment and vascular stains?	106
What to do about wrinkles and sagging skin?	107
Conclusions	107



PRESENTATION

In this new practical volume of the OEO Firenze, some of the top experts in aesthetic medicine analyze 2 types of treatments with exceptional results: the Laser and the Radiofrequency.

To correct many aesthetic imperfections, valuable help is offered by light, which is used utilizing different technologies. The most widespread method is the Laser method, a monochromatic light beam that interacts with the skin tissues, generating a sort of selective thermal damage, capable of causing the destruction of the target molecules.

The laser method produces imperceptible lesions and is based on the principle of selective photothermolysis: each organ or tissue contains "bait" substances (chromophores) such as water, hemoglobin, and melanin capable of absorbing particular wavelengths. Thanks to this stimulus, at the dermal level the collagen fibers are renewed, reorganized, and realigned which makes the epidermis more elastic and toned. There are different types on the market, and each one is specialized on acting on specific problems.

The Radiofrequency method represents one of the most effective treatments for obtaining a smooth complexion with raised features. To achieve these results, we use medical equipment with a modular frequency up to 50 watts.

The electrical impulses pass through the tissues and generate a heat that causes a thermal shock which makes the support fibers rearranged, immediately becoming shorter, making the skin taut and compact.

Thermal energy initiates an inflammatory reaction that stimulates fibroblasts to produce new collagen and glycosaminoglycans. It also increases the local blood flow and promotes oxygenation and nourishment of the skin cells. Radiofrequency is considered to all intents a valid alternative to plastic surgery because it does not require anesthesia or stitches, so much so that, for the striking results, it is called the "scalpel-free lifting".

In addition to analyzing the treatments, the manual is enriched with videos and clinical cases visible on the dedicated web page.

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