

INDEX

MASTER

MEDICAL EQUIPMENT – AESTHETIC

Compendium Volumen I



Juan Copovi and Susana Apolo

# INDEX

# INDEX

## PROLOGUE.....

### 1.- BASIC KNOWLEDGE

#### - Functioning of the skin

- Epidermis.
- Dermis.
- Skin functions.
- Tanned and dark skin.
- PITZPATRICK scale

#### - Functioning of hair

- Types of hair.
- Hair structure.
- Hair follicle.
- The hair growth cycle.
- The cycle according to the parts of the body.
- Hirsutism and Hypertrichose.

#### - Facial

- Spots: What are spots?
- Causes and Factors.
- Types of Spots.
- Acne: What is acne?
- How does acne develop.
- Types of acne.
- Wrinkles: What are wrinkles?
- What causes wrinkles.
- Types of wrinkles.
- Telangiectasias: What are Telangiectasias?
- Causes.
- Types.

#### - Corporal

- What is Cellulitis?
  - Phases.
- What is flaccidity?
  - Causes and Factors

#### - Tattoos

- Tattoos: What are tattoos?
- Types of tattoos
- Temporary
- Permanent
- Micropigmentation

# INDEX

## - Lasers on the market

- Ruby
- Alexandrite
- Diode
- ND: YAG
- IPL

## 2.- IPL.....

### - Lasers and pulsed light systems

- Wavelength
- Filters
- Pulse duration
- Yield or Energy
- UV light and IR light

### - Light depilation

- Selective absorption principle
- Photomechanical depilation
- Photothermal depilation
- Pulse set / Pulse or Multipulse cart
- The advantages of Pulsed Light over other technologies used for Depilation

### - Facial phototherapy

### - Conclusion

- Client management procedure
- IPL practical treatment
- Protocols

## 3.- DIODE.....

### - LASER DIODE - Frequently Asked Questions

- What does the laser Diode consist of?
- What is the laser Diode's mechanism of action?
- What are the advantages of the laser Diode?
- What are the limitations of the laser Diode?
- For what kind of skin is the laser Diode recommended?
- Which are the the phases of hair follicle activity?
- What period of time needs to pass until a complete depilation is achieved?
- How much time must pass between sessions?
- Do NDV DIODEs offer greater efficiency? Why?
- Is the laser Diode recommended for male depilation?
- Does the laser Diode require medical control or does it only need aesthetic control?
- What is the Super Hair Removal technology?
- How does the Super Hair Removal mode work?
- What are the advantages of the Super Hair Removal mode?
- What are the disadvantages of the Super Hair Removal mode?
- Is the application of the Super Hair Removal technology complex?
- Is there an standard SHR application method?

## INDEX

### - COMPARISION

- LASER DIODE
- ALEXANDRITE LASER
- IPL

### - CONCLUSION

- Client management procedure
- IPL practical treatment
- Protocols

### 4.- E-LIGHT SYSTEM. ....

#### - FUNCTIONING OF THE E-LIGHT SYSTEM.

- What is the E-LIGHT system?
  - a)IPL.  
What is it for.
  - b) RADIOFREQUENCY.  
What is it for.

#### - E-LIGHT SYSTEM APPLICATIONS

- Use and Technique.

#### - CONCLUSIONS

- Range of Treatments.
- Protocols.
- Contraindications.

### 5.-ND: YAG, Q-switched.....

#### - ND LASER INTRODUCTION : YAG, Q-switched

- ND laser selective treatment for tattoos: YAG, Q-Switched.
- ND LASER: YAG
- Indications.
- Technique.

#### - FACTORS THAT INFLUENCE TATTOO REMOVAL.

- Colour – Body localization – Size.
- How does laser tattoo removal work.
- Treatment.

#### - ONYCHOMYCOSIS TREATMENT

- What is onychomycosis.
- Treatment.

#### - CLINICAL TREATMENTS AND PARAMETERS

- Clinical Applications.
- Parameters.
- Protocols.
- Conclusions, A few questions and answers.
  - Is the Technique Painful?
  - How many sessions are necessary for tattoo removal
  - Is the laser as effective in the removal of all the ink colours?
  - Is the tattoo removed completely?
  - What aftercare is needed after the treatment?.
  - Spot Removal

## INDEX

### 6.- RADIOFREQUENCY.....

#### - FUNCTIONING OF RADIOFREQUENCY

- What is Radiofrequency.
  - a)Types of Radiofrequency.
- What is it for.

#### - RADIOFREQUENCIES

- Monopolar (Unipolar) Radiofrequency.
- Bipolar Radiofrequency.
- Tripolar Radiofrequency.
- Pentapolar Radiofrequency.

#### - HOW DO THEY WORK AND WHAT ARE THEY FOR

(Usage and Technique monopolar – bipolar – tripolar – pentapolar)

- Protocols
- Indications/Instructions of RF.
- How is RF applied.
- Contraindications.

### 7.- CAVITATION.....

#### - FUNCTIONING OF CAVITATION.

- What is Cavitation.
- What is it for.
- Functions:
  - a)Corporal.
  - b)Facial.

#### - TYPES OF CAVITATION

- Stable Cavitation. (1 MHz )
- Unstable Cavitation. (40 Khz)
- Implosive Cavitation. (1 MHz and 40 Khz)

#### - HOW DO THEY WORK AND WHAT ARE THEY FOR

(Cavitation 1MHz – 40 KHz)

#### - ANNEX (Conducted Studies)

- Protocols

### 8- CRYOLIPOLYSIS.....

#### - CRYOLIPOLYSIS HISTORY.

- Benefits of Cryolipolysis.
  - a)Against localized fat.
    - Zones (objectives)
    - Observed results.
- Side effects.
- Contraindications.

#### - CONDUCTED STUDIES.

- Noninvasive cryolipolysis for the destruction of fat cells.
- Selective Cryolipolysis
- Cryolipolysis for the reduction of thr subcutaneous fat layer.
- Clinical effectiveness of Cryolipolysis.
- Subcutaneous noninvasive cryolipolysis.

## INDEX

### **- PATIENTS' MOST FREQUENTLY ASKED QUESTIONS.**

- What is Cryolipolysis?
- How does Cryolipolysis work?
- What happens to fat cells?
- What clinical evidence supports that the procedure really works?
- How long does it take to see results?
- What happens if we compare this results with invasive liposuction procedures?
- How long do the results last?
- What are the more common effects after the treatment?
- How long does a session last?
- Is the application of the Cryolipolysis system painful?
- Is there an inactivity period after the treatment?
- Can you apply other systems after Cryolipolysis?
- Am I a good candidate for the use of this system?
- Why is the Cryolipolysis system different from other procedures?

### **- QUESTIONS AND ANSWERS ABOUT CRYOLIPOLYSIS**

- About Cryolipolysis.
- Key Benefits of Cryolipolysis.
- The length of the sessions and how many are needed?
- The results.
- How does Cryolipolysis work?
- What can be noticed during and after a session?
- What differences are there with other methods?
  - a) Efficiency.
  - b) Safety.
  - c) The patient's goal.
- Who is an ideal candidate for Cryolipolysis?
  - a) Science that endorses Cryolipolysis?

### **- FUNCTIONING OF CRYOLIPOLYSIS**

- Clinically Tested.
  - a) Availability of equipment with Cryolipolysis system.
    - Stages.
      - Stage 1
      - Stage 2
      - Stage 3
- Common questions and answers about treatments.
  - a) Can Cryolipolysis be combined with CAVITATION + RF?
- Other Studies and References.
- The Cold Thermogenesis protocol
- The Impact of Cold exposure in adipocytes.
- Protocols.