





A Powerful Three Dimensional Alternative to Liposuction

The ultimate integrated fat reduction, Cryolipolysis, Cavitation, dermaroller



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# **LIFVATION**



# Contact us:

We are committed to bring you only the best, latest and cutting edge technologies.

#04-19, focus one, 1 Ubi view, Singapore 408555

contact@lifvation.com

www.Lifvation.com

Mainline: +65 68489596,

Hotline: +65 96470588, +6016-736-8399

Malaysia Indonesia Thailand

Hong Kong Vietnam Myanmar

Singapore (HQ):

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http://3dLipoMed.Lifvation.com						FSD PSD		
Equipment	3DLipoMED	Dermaxel	VTRAC	Omnilux	Mistral	STE	FSD+	
Technology	3DLIPOMED	CO2 Fractional Laser	308nm Excimer Lamp	Gold standard LED	xLHE	sLHE	mLHE	
Makers	30	Medi <b>clase</b>	<u>Photo</u>	<u>medex</u>	Radiancy			
Business	Clinics / Hospitals Medi-spas							
Users		Doctors		1	Doctors / Therapist	rs .		
Treatment highlights	Skin tightening	Skin Resurfacing	Psoriasis	Acne	Acne	Hair removal	Acne	
	Contouring	Collagen Remodeling	Vitiligo	PDT	Hair removal		Skin Rejuvenation	
	Fat freezing & reduction	Melasma	Leukoderma	Melanoma	Psoriasis			
	Cellulite reduction	Moles / warts	Atrophic Dermatitis	Burn healing	Skin Rejuvenation			
A	oril 15, 2014		LIFVATION, I	ntişçarmeduritienic ights reserved.	n.coFine lines reduction		5	



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# **INTRODUCTION**



# 3DLIPOMED from UK

4 technologies integrated into an ultimate platform for: Body contouring, fat and cellulite reduction.

Why buy separate machines when you can have your Cryo, RF, Cavitation and vacuum rollers all in one platform?



#### 1. Multipolar RF

The ultimate firming with 10 MHZ Fractional Focus RF Technology



2. Cryo



3. Cavitation



4. 3D Derma Roller
Vacuum roller massager





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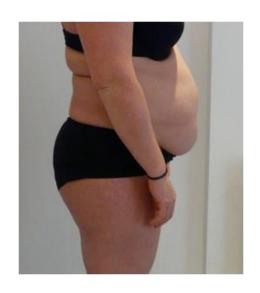
# Medical Aesthetic Award







A Powerful Three Dimensional Alternative to Liposuction





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Fat Reduction • Skin Tightening • Cellulite





A Powerful Three Dimensional Alternative to Liposuction



# Fat Reduction • Skin Tightening • Cellulite



#### Results











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#### (1) Cellulite

#### Radio Frequency combined 3D-Dermology

#### **BEFORE**







**AFTER** 







3 x Sessions



#### (3) Fat Removal (overall circumference reduction)

#### Cavitation

BEFORE



**AFTER** 



9 x Session

Clinic = Cymone Young. Malvern



#### (2) Skin Tightening

#### Radio Frequency face and body skin tightening

#### **BEFORE**





#### **AFTER**





8 x Sessions

# Lifvation (4) Fat Removal (Targeted body sculpting) http://3dLipoMed.Lifvat

Cryolipolysis - Fat Freezing

BEFORE AFTER



#### 1 x Session





A Powerful Three Dimensional Alternative to Liposuction

3D-lipo is probably one of the most advanced systems of its type and offers a powerful new dimension in non surgical fat removal and the treatment of cellulite.

No other system in the UK combines 4 of the most current technologies available today in 1 affordable machine.



#### Complete & Unique Device

- Unique comprehensiveness
  - Comprehensive system for treating Cellulite, Fat and Skin Tightening
  - Allows treatments for multiple customers
- Advance best of breed
  - Latest best of breed technologies:
    - Cryolipolysis (with Electrophoresis)
      - Results within 2 months
    - Cavitation QTT<sup>2</sup> (Quad Transducer Technology)
      - Immediate results
    - Tripollar for face & body



#### **Fat Destruction**

- Unlike many other lipo offerings that utilize Diode Laser our unique system combines the different properties of Cryolipolysis and Cavitation which physically destroy the fat cell.
- The advantage of this is that the client is not required to exercise post treatment in order to metabolise the released fat which is a significant advantage over existing methods



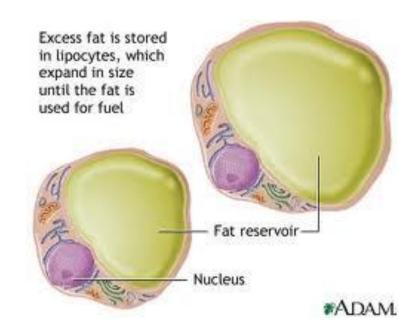
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# **FAT STRUCTURE**



#### Fatty tissue

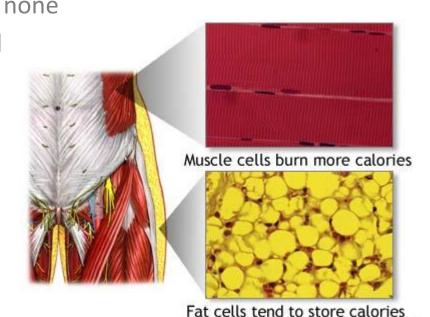
- •Fat cells provide the body with insulation from heat and cold.
- •Provides protection for internal organs.
- •Its main function is to be a reserve of lipids which can be burned to meet the energy needs of the body.





## **RDA & Triglycerides**

- If calorie intake is at RDA for an adult and exercise is taken a person weight will be stable.
- If calorie intake exceeds RDA and if none or little exercise is taken intake will exceed demand and a persons weight will increase.
- These extra calories are stored as fat. Fat is stored in fat cells as Triglycerides for when the body need to use the fat as energy.

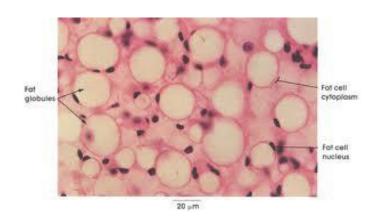


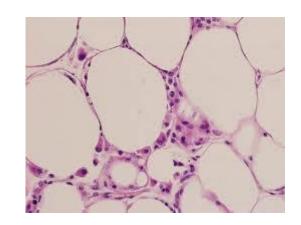


# 4x Expansion

- Fat cells will fill with triglycerides and if this energy is not utilised and calories still exceed demand the cell will expand to a maximum of 4 times its natural size.
- Only then will the fat cell multiply.
- The more exercise a person does, the more energy the body needs triglycerides. This energy will come from the fat cells and then the fat cells will decrease in size.

#### Normal fat cells



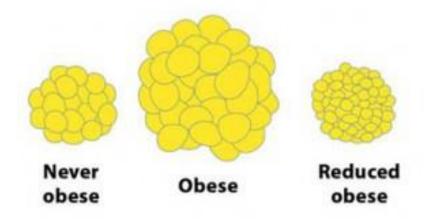




#### 300 billion fat cells

- A typical infant has 5-6 billion fat cells.
- A healthy adult who has healthy body fat has 25-30 billion, and an over weight adult has 75 billion, with severe obesity; this number can be as high as 250 to 300 billion

#### ADIPOSE CELLULARITY





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# **DIAGNOSIS & TREATMENTS**



http://3dLipoMed.Lifvation.com





#### **Combined treatments**

- Cavitation Larger areas of fatty tissue
- Cryoelectropheresis Spot reduction on fat pockets
- Radio Frequency Skin tightening & Fat 'melting'
- Vacuum RF Skin rolling Lymphatic drainage & increased blood circulation and skin firming



Cryoelectropheresis

# **Combined treatments**

Treatment for stubborn packets of fat. Works well on superficial

cavitation. 6 pixel hand piece beneficial for a thinner fat layer for

	fat. Benefits clients looking for body sculpting.				
Cavitation	Treatment for deeper fat. Larger clients with at least 3cm of fat looking for inch loss treatments. Works well on abdomen, flanks, legs and buttocks.				
Radio Frequency	Skin tightening and fat 'melting'. 4 pixel hand piece works well on facial skin tightening and skin tightening on the body after				

Dermology

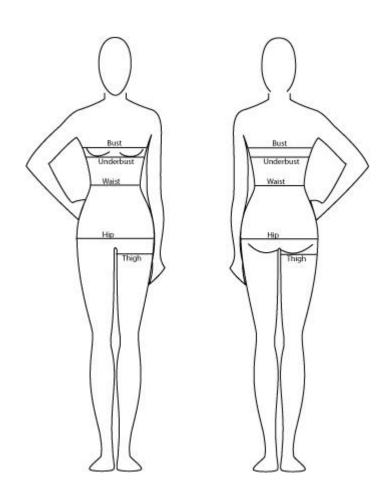
Lymphatic drainage, increase in blood circulation and smoothing of cellulite. Beneficial after all 3d-lipo applications to improve the

appearance of the skin and smoothness of cellulite.



#### Measurement

Consultation





# **Consultation & Treatments**

**Treatment** 

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# Younger healthy client, no loose skin, but has pockets of fat in

Diagnosis

stubborn areas.

Cryo would be the best treatment for this client, placed on each pocket of fat for 45 minutes



#### Excess fat in a few areas.

Concentrate on treating one problem area first (i.e. abdomen). This client has approximately 3 cm of fat so cavitation would be beneficial. A course of 8 treatments recommended with treatments 1 x weekly. This client may need radio frequency skin tightening and 3d-dermology as part of her course.

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# **Consultation & Treatments**

**Treatment** 

Mature client, not much fat on the area but has loose skin.	Radio Frequency would be suitable for this client a course of 8 treatments 1 x weekly. 3ddermology can be included to aid lymph drainage and increase blood circulation to the skin.



Thicker fatty layer plus stubborn pockets of fat.

Diagnosis

Combine a course of cavitation, Cryo and vacuum rolling. Treatment 1, Cavitation and 3d-dermology. Treatment 2, Cryo on the pockets of fat, then treatments 3-8 cavitation and 3d-dermology.



# **Consultation & Treatments**

**Treatment** 

214611	
Male client with large abdomen.	Cavitation is recommended course of 8 sessions 1 x weekly. 3d-dermology would be beneficial to aid drainage.



Loose skin on tummy with a small layer of fatty tissue.

**Diagnosis** 

Radio frequency with the Large / 6 pixel hand piece and 3d-dermology. A course of 8 treatments recommended 1 x weekly.



#### **Consultation & Treatments**

#### **Diagnosis** Treatment

Recommended treatment would be radio frequency for skin tightening and 3d-dermology for increase lympahtic drainage and improving the smoothness of the skin. A course of 8 treatments 1 x weekly. Treat the front of the legs on one course and the back of the legs on a second course



Cellulite on legs, water retention, excess fatty tissue.

Mature client cellulite and loose

skin on legs, not much fatty tissue.

Recommended treatment would be Cavitation on edematous cellulite setting. 20 mins on P1 then repeat on the same area 20 mins on P2. Follow this with RF for skin tightening and 3d dermology for lymphatic drainage and improved smoothness. Treat the front of the legs on one course and the back of the legs on a second course



# Example of a typical treatment schedule

Sessions	1	2	3	4	5	6	7	8
Week	1	2	3	4	5	6	7	8
Treatment	Cav	Cryo	Cav	RF	DR	RF + DR	Cav	Cryo
Objective	Hard fats reduction	Fat pockets reduction		Skin tightening	Cellulite reduction			
Treatment Duration								

- Cav = cavitation
- Cryo = Cryoelectropheresis
- RF = TriPollar RF
- DR = dermaroller



# **Technology Summary**

Treatment	Purpose	Area type	Area	Duration (minutes)	Recommended settings
Cav = cavitation	Hard fats reduction	Large areas	Stomach	20-40	Cav Power = 40%
Cryo = Cryoelectropheresis	Pocket fat reduction	All areas	Arms, Tighs, Flanks, Abdomen	20-40	Electrophoration = 20% Vacuum = 20%
RF = TriPollar RF	Skin tightening		Fat pockets reduction	20-40	RF Power = 40-70%
DR = dermaroller	Improve circulation & cellulite reduction	Large areas		20-40	RF Power = 40-70%



#### **Treatment Recommendations**

• Cavitation — 1 x Weekly

 Radio Frequency — Facial treatments 1 x weekly, Body treatments 1 x weekly



#### **Treatment Recomendations**

Cavitation — 1 x Weekly

- Cryo 1 Treatment
- Radio Frequency Facial treatments 1 x weekly, Body treatments 1 x weekly
- 3d dermology & dermology RF 1 x Weekly



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# **CAVITATION**



#### **Indications**

- Reduction of hard fats
- For large areas of fatty tissue



## Cavitation explained

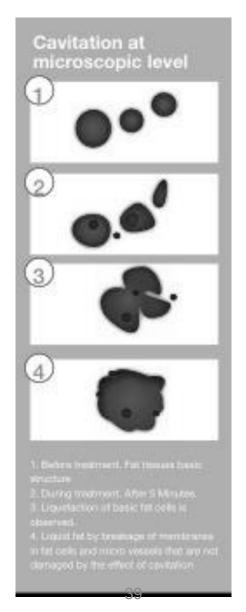
#### What is cavitation?

Ultrasound cavitation is widely recognised as one of the most effective cellulite reduction and local fat loss technologies available today. Cavitation is body sculpting with no aesthesia, no scars, no discomfort, no downtime and presents a risk free alternative to liposuction.

Cavitation is a natural phenomenon based on low frequency ultrasound. The Ultrasound produces a strong wave of pressure to fat cell membranes. A fat cell membrane cannot withstand this pressure and therefore disintegrates into a liquid state. The result is natural fat loss.

#### What happens to the released fat?

After disruption of adipos's cellular membrane the fat in the form of triglycerides is released into the interstitial space between the cells, where they are enzymatically metabolised to glycerol and free fatty acids. Water soluble glycerol is absorbed by the circulatory system and used as the energy source where as the insoluble free fatty acids are transported to the liver and



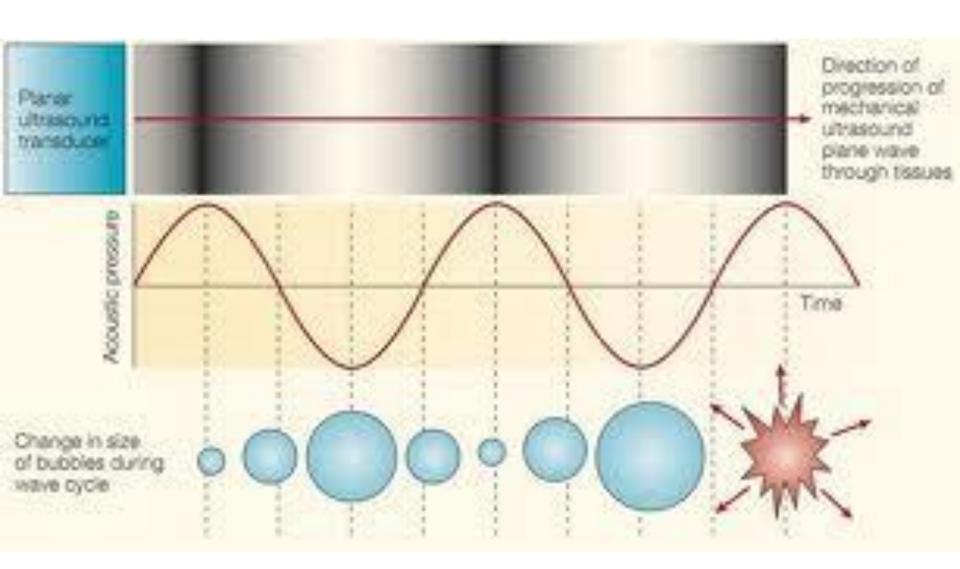


#### Cavitation

- These broken cells then release the triglycerides into the interstitial space in-between the cells, where they are enzymatically changed into free fatty acid and glycerol.
- Water soluble glycerol is absorbed by the circulatory system and used as the energy source.
- Insoluble free fatty acids are transported to the liver and processed in the same way as fatty acids from food.



### Cavitation





http://3dLipol



Ultrasound emitted by cavitation handpiece



1.Fat tissues' basic structure



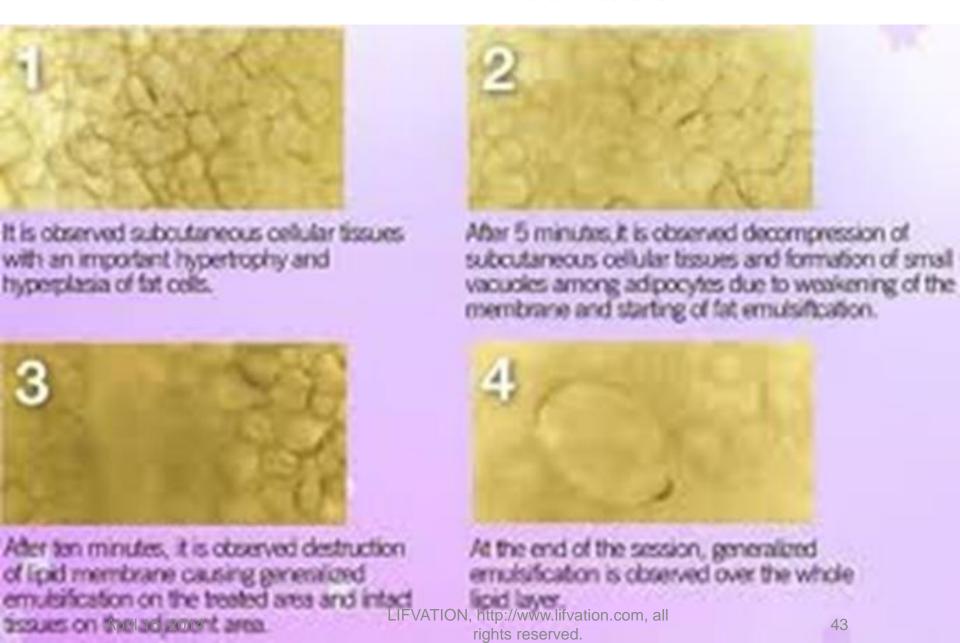
The ultrasound wave collapses the subcutaneous fat cell



3.The breakdown adipose tissue is released into the interstitial fluid and travels into the circulatory system



### Cavitation



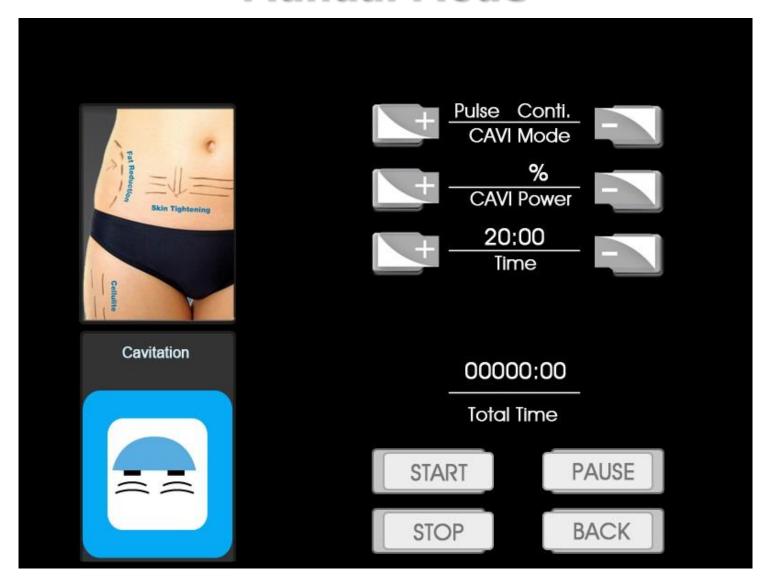


#### Cavitation

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- Insoluble free fatty acids are transported to the liver and processed.



## **Manual Mode**





## Cavitation Handpiece Care

- Never run cavitation mode if the handset is disconnected or not emitting.
- Never run cavitation head unless in contact with a client and with the use of gel.
- Never coil the wire or wrap around hand set as could lead to wire damage



# **Cavitation**









#### Cavitation

 Cavitation uses an ultrasound wave to mechanically disrupt the cell membrane of the fat cell. The ultrasound wave creates a vibration within the fat layer, the fat cells do not have the structural capacity to with stand this vibration and the cell membrane will very quickly break down.



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#### **Cavitation treatment**

- Apply ultrasound gel during treatment
- Keep applicator in full contact with treatment area at all times
- Do not keep the applicator in the same place
- Move the applicator slowly but consistently
- Avoid treatment over the bone and do not aim directly at a joint
- Always make the skin 'fold' to allow better access to the fatty tissue
- In case of resting during treatment, press 'pause' then 'stop' to avoid over output of the unit
- After 2 hrs. constant use allow the unit to 'rest' for 20 mins. This will prolong the life of the cavitation applicator. Or rotate 2 hand pieces.



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**CRYO** 



## **Indications**

#### Pockets of fat in the following targeted areas:

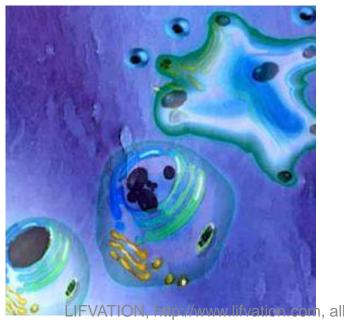


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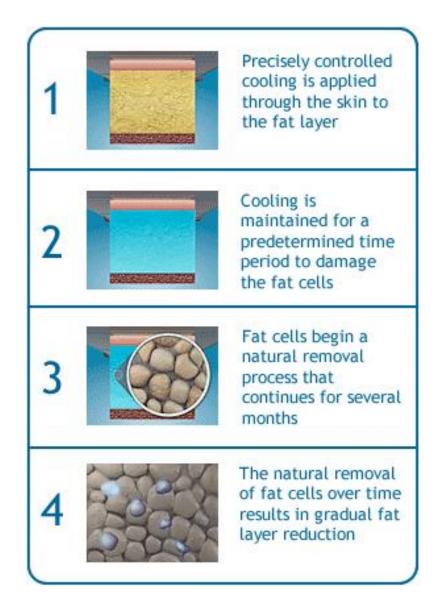
- Apoptosis Is sometimes referred to as programmed cell death the process of apoptosis follows a controlled, predictable routine.
- During Cryolipolysis the cell shrinks and sends out distress signals, which are answered by macrophages. The macrophages clean away the shrunken cells, leaving no trace.



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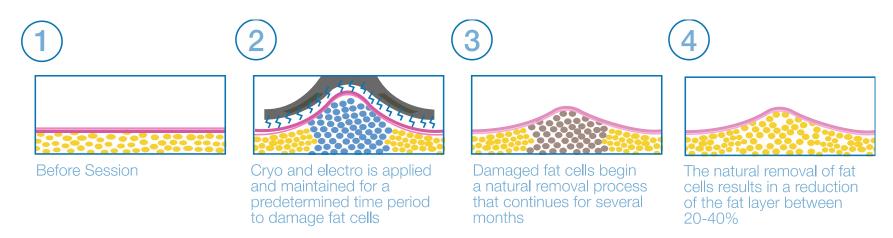


# Cryo





## Cryolypolisis explained



#### What is Cryolipolysis?

Cryolipolysis chills fat in the targeted areas causing the fat to crystallise. 20-40% of the fat cells in the treated area die in a natural way and dissolve over the course of several months.

#### The Benefits?

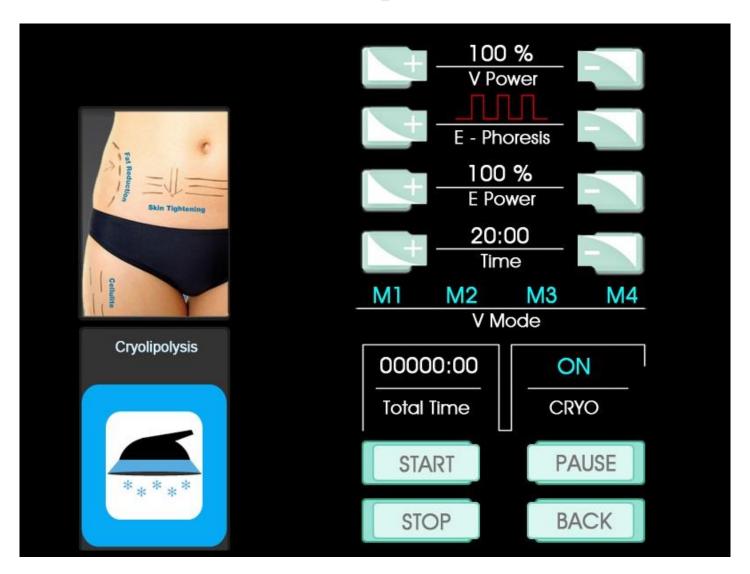
As a completely non-invasive procedure Cryolipolysis offers clients many other benefits compared to other fat reduction methods. These include: no pain, no down time, no anaesthetic, no incisions and no requirement to exercise post treatment.

#### **Procedure**

An application cap is applied to the treatment area which draws the tissue between the cooling panels. Cooling is maintained for a predetermined time period to damage the fat cells. The treated fat cells are removed through a natural process within the body resulting in a gradual fat layer reduction



# Cryo





# Cryoelectropheresis treatment

- Check water level in unit prior to treatment
- Apply cryo pad during treatment cooling plates must be sufficiently covered with cryo pad on application.
- Ensure client is holding release button before application
- Always have the top of the hand piece facing upwards.

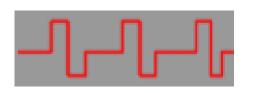




# Electro working mode



Leading ion to permeate into the skin Breaking down the contamination in the skin Accelerating cell updated speed Stimulation the speed of fluid flow SUITABLE FOR ALL CLIENTS



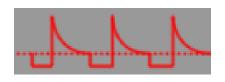
Step Wave contracting the muscles rhythmically
Aiming at swollen leg exercise



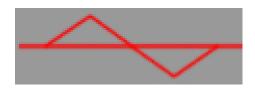
Square Wave Powerful Electrophoresis penetration



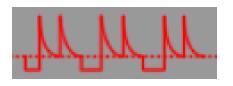
Trapezoid Wave
Contracting Muscles quickly
Improving the volume of blood
Circulation, draining away the
internal waste of our body



Spike Wave stimulating Muscle intensively Training muscle to build a perfect & firm bodyline



Triangle Wave stimulating lightly to relax exhausted muscles, aiming at Lymphatic System Care SUITABLE FOR SENDENTARY CLIENTS



Twin Spike Wave stimulating muscle contractions & passive movement Lifting, tightening and Contouring Sagging Skin SUITABLE FOR CLIENT WHO EXERCISE REGULARLY



# Cryo

#### Post treatment

- Client can experience a localised numbness for up to 2 months
- The treated area can feel cold and firm for up to 2 weeks
- Bruising can occur and last for up to 10 days



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# **RADIOFREQUENCY**



• - Skin tightening



- Electrons flow as **current** (**energy**) through a completed circuit when provided with **voltage**.
- When the electrons encounter any **resistance** to their flow, heat is produced at the site of maximum resistance and damage to the tissues can occur. (Gel is used to help lower this resistance).



## Radio Frequency Explained

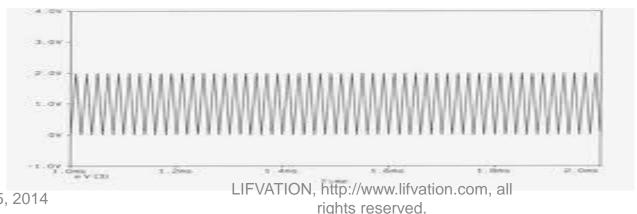
#### Skin Tightening & Lifting & Skin Rejuvenation

The Focus Fractional RF energy penetrates the skin layers to selectively heat the skin tissue and the extra cellular matrix where the collagen fibres are embedded. The local heating causes an immediate contraction of collagen fibres, and at the same time increases the metabolism of the fibroblasts thereby accelerating the production of new collagen and elastin fibres.

The concentration of collagen fibres and the regeneration of the collagen and elastin deposits, tighten the skin layers creating a smoother, healthier and younger looking skin.

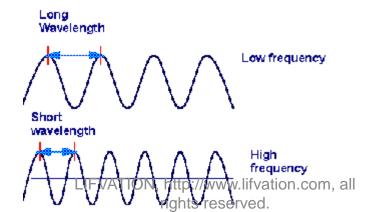


- Radio FrequencyRadio Frequency, is a general method to heat deep skin layers by delivering High Frequency electrical current via poles/electrodes to the body.
- Body cells do not interpret High Frequency electrical current as electricity; rather it is treated as an energy source.
- Skin layers act like resistors in series to the HF electrical current and depending on their resistance they heat up to varying degrees, much like a light bulb that heats when electricity is passed through.





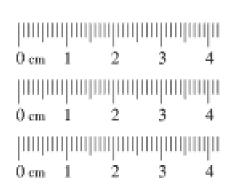
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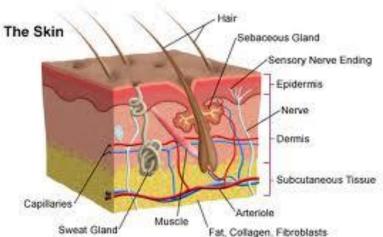






• The maximum thickness of the Dermis is 5mm and just below the Dermis is the Hypodermis. Therefore, the Focus Fractional RF penetration depth of 20mm will affect at least 15mm of fat, and definitely targets the Hypodermis. For very fat (obese) people, the depth of 20mm might not reach the full depth of the Hypodermis in one treatment but only a portion of it. In such cases, it is recommended to repeat the treatment with supplementary sessions in order to reach deeper and deeper layers consecutively.







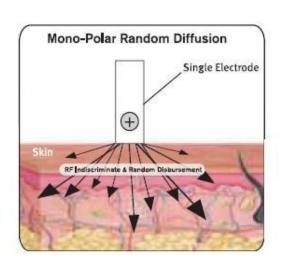


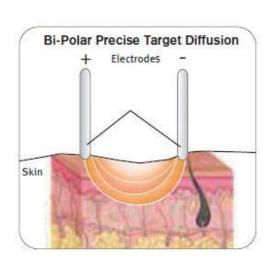
# Comparison of TriPollar to other RF technologies

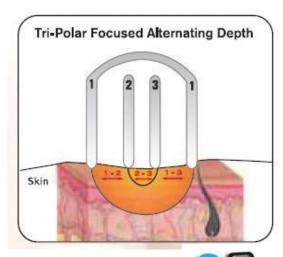
Tech	Image	Clinical target	Power	Pain Level	Cooling	Visible Clinical Results
Mono Polar		Collagen fibers	High (200- 350W)	Might be Very Painful	Always	After months
Uni Polar (RF radiation)	-	Collagen fibers	High (200- 350W)	Very hot	Always	After months
Bi – Polar		Dermis & hypodermis	Medium (10- 200W)	May be Painful	May be	After days / weeks
Tripollar Fractional RF		Focused energy on dermis & hypodermis	Low (5 – 50W)	No Pain Pleasant	None	Immediate & long term. supported by clinical and histopathological studies



- Mono/uni-polar is a deep and uncontrolled penetration and it has never been properly established where or how it spreads throughout the body. In literature, there are claims that Mono/uni-Polar passes through to a depth of 2cm.
- Bi-Polar penetration depth is described in scientific literature to be half the distance between the two poles/electrodes.
- The Focus Fractional RF configuration penetration depth is the distance between the poles/electrodes (compared to half the distance in Bi-Polar)











#### **Skin Tightening**

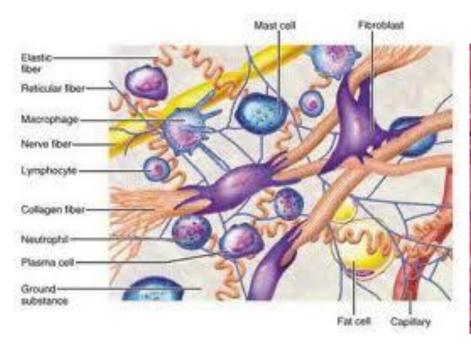
- •Heating in the deeper dermis, to a constant 40-45°, stimulates **fibroblast action** (fibroblasts are the connective tissue cells that produce collagen and elastin). In turn, this **increase the synthesis of new collagen and elastin fibres**.
- This thermal trauma, which occurs to 5-30% of the collagen fibres, causes an immediate **contraction** of the fibres. This contraction results in the **production of new collagen**.
- The diameter of the collagen fibres in the treated area is increased, and the spaces between the fibres are visibly reduced under the microscope.

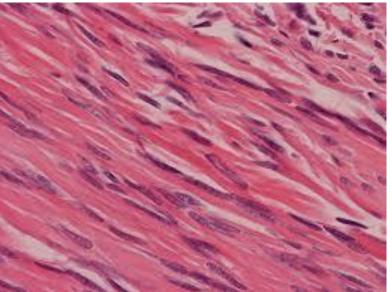




# **Skin Tightening**

- This **tightens the skin's appearance** and, with the anti-gravity action of the treatment, can also help to create a **lifting effect**.
- The radio-frequency also **assists product infusion** and so helps to deliver **key ingredients** into the **deeper layers** of the skin.





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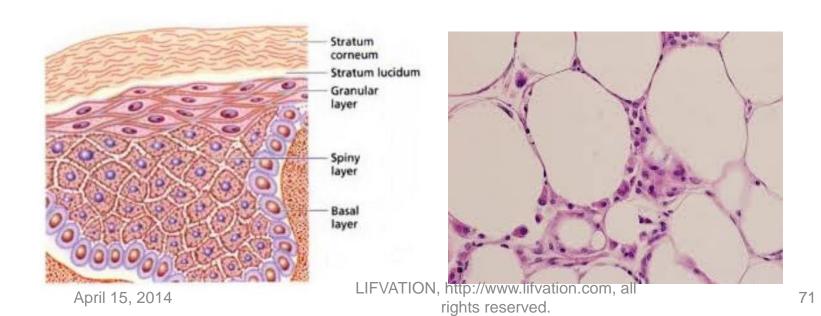
#### **Skin Tightening**

- •Heating in the deeper dermis, to a constant 40-45°, stimulates **fibroblast** action (fibroblasts are the connective tissue cells that produce collagen and elastin). In turn, this **increase the synthesis of new collagen and elastin fibres**.
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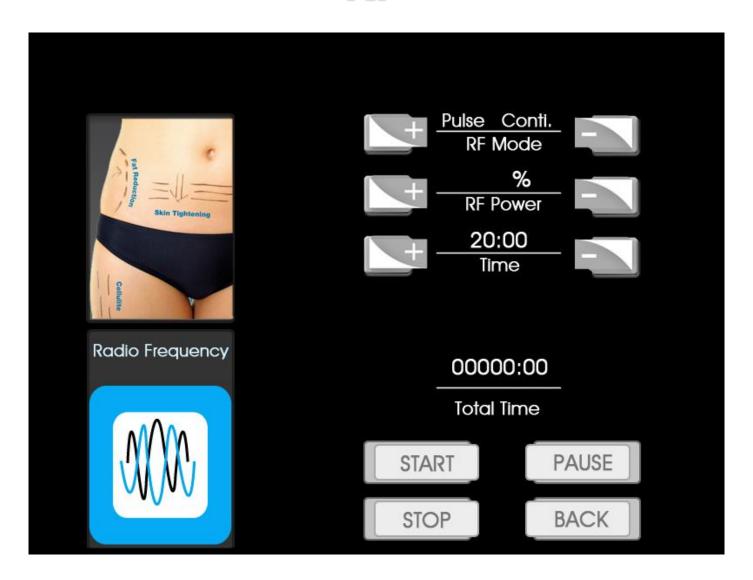
#### Fat metabolization with RF

- In general, (depending on the frequency of the electrical current) fat cells are more resistant to HF electrical current than other skin cells.
- Oil is less conductive to electrical current than water (regular skin cells are made mostly of water, and fat cells are mostly oil).
- Therefore fat cells heat up more quickly than other skin tissue.
- At skin temperature of 40° the fat cells will start to melt and metabolize.





## **RF**





# Handpieces





## **Radio Frequency**

- •Apply 100% pure glycerine liberally on all areas to be treated.
- MAKE SURE that ALL the PINS touch the skin at all times.



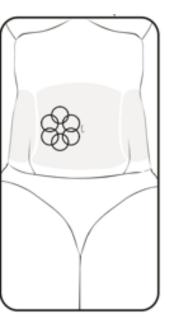
# Recommended treatment patterns

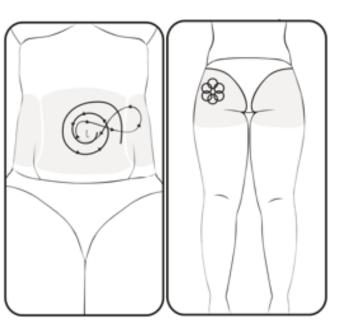


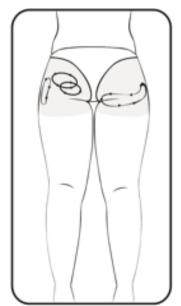


## Recommended treatment patterns

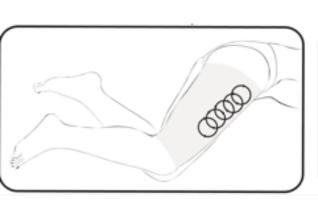


















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7.0

## **DERMOLOGY**



## Dermology

- Cellulite Reduction
- Lymphatic massage & drainage



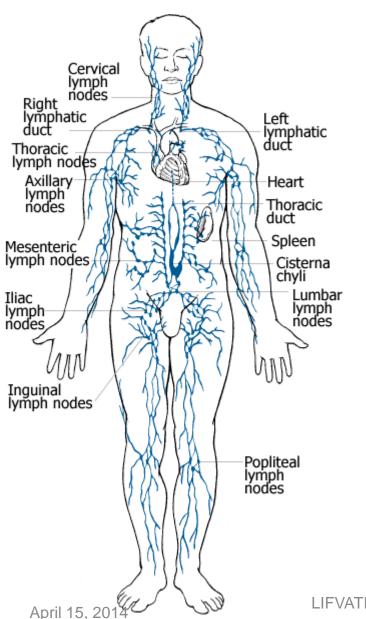
# **Benefits**

- Your Skin Rolling cellulite-reduction function incorporates the basic principles of lymphatic drainage to assist the body in moving lymph through the network of lymphatic vessels in its return to the circulatory system.
- Improves connective tissue strength and increase of circulation.
- Improves appearance of cellulite
- Increases oxygenation and oxygen exchange
- Encourages relaxation





## **Lymph System**



All drainage action with the 'Roll Up' setting has to be towards the nearest Lymph nodes.

Axillary – Under arm

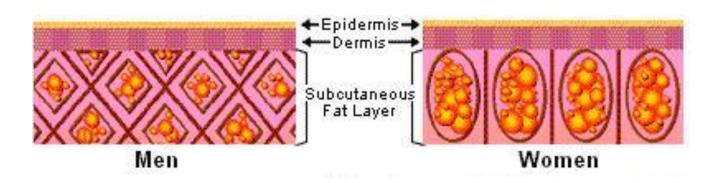
Illiac - Abdomen

Inguinal – Bikini line





- Cellulite is often classified using three grades:
- **Grade 1** cellulite sees no clinical symptoms, but a microscopic examination of cells from the area detects underlying anatomical changes.
- **Grade 2** cellulite skin shows pallor (pastiness), a lower temperature and have decreased elasticity in addition to anatomical changes noted by microscopic examinations.
- **Grade 3** cellulite has visible unevenness of the skin (like an orange peel) along with all grade 2 signs.
- Although cellulite can affect both sexes, it is much more common in females, mainly because they are more likely to have particular types of fat and connective tissue.







- Cellulite may be more visible than fat deeper in the body. Everyone has layers of fat under the skin no matter what size or shape the person. Collagen fibres (Septa) that connect fat to the skin may stretch, break down, or pull tight.
- Increased Adipose volume slows circulatory exchanges and thickening and hardening of the septa – creating a dimple.





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#### **Causes**

- **Hormonal factors** hormones likely play an important role in cellulite development. Estrogens, insulin, noradrenalin, thyroid hormones, and prolactin (female protein hormone) are part of the cellulite production process.
- **Genetics** certain genes are required for cellulite development. Genes may predispose an individual to particular characteristics associated with cellulite, such as gender, race, slow metabolism, distribution of fat just underneath the skin, and circulatory insufficiency.
- **Diet** people who eat too much fat, carbohydrates or salt and too little fibre are likely to have greater amounts of cellulite.
- **Lifestyle factors** cellulite may be more prevalent in smokers, those who do not exercise, and those who sit or stand in one position for long periods of time.
- **Clothing** underwear with tight elastic across the buttocks (limiting blood flow) may contribute to the formation of cellulite.
- These are all factors that can be discussed during consultation.



#### **Actions**

- Vacuum Vacuum flow can be constant M1 or pulsed M2
- Vacuum pressure should be set at 20% this action will cause the local rush of blood and lymph to skin from deep lying tissues. Patients will experience an erythema during and after treatment.
- IN

Roll In – Intense mobilisation for heavy cellulite. This action increases micro-circulation and stretches and increases the flexibility of the septa.

OUT

Roll out – Controlled and specific stimulation of loose skin and cellulite.

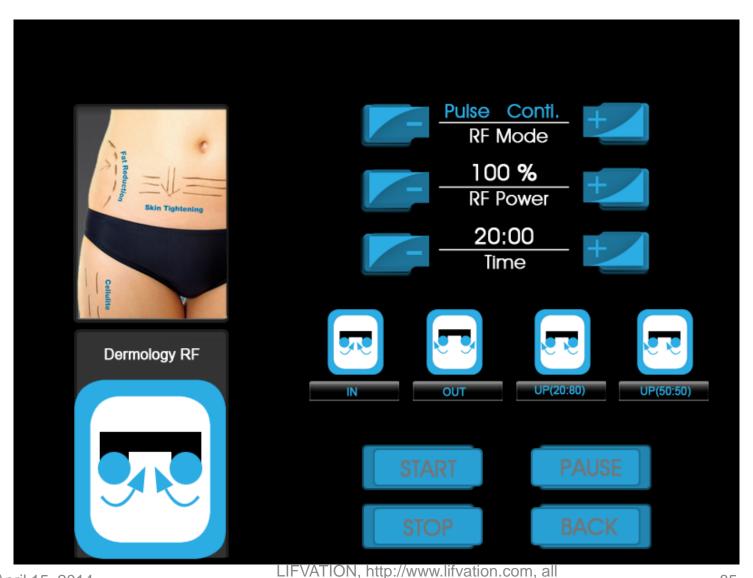
UP(50:50)

Roll up – Controlled tissue mobilisation exercises the septa and increases fluid exchange for swollen tissue and cellulite.

 Radio Frequency – increases heat within the skin to intensify the actions above. Increase the % output to suit client comfort.



## 3d-dermology



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### Treatment

- Vacuum
- Roll in
- Roll out
- Roll up



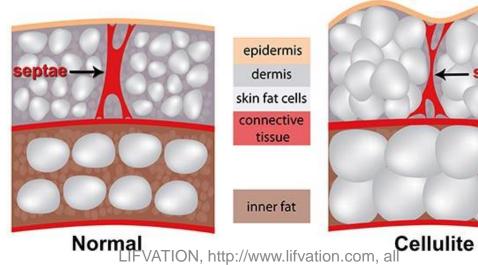
dermis

connective tissue

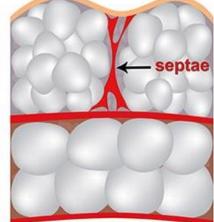
inner fat

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### **Smooth Skin**



## **Dimpled Skin** epidermis







# **Auto Program**

- P1 + P3 EDEMATOUS CELLULITE
- P3 -
- P5 \_ INNER THIGHS



### ABDOMEN & FLANKS

• Edemateous cellulite – very heavy, columnar legs with water retention. Treat the front or the back of the legs for a course of 8 sessions. The unit will deliver 20 minutes of P1 then repeat over the same area with P3. Potentially recommend the client a course of 16 treatments, 8 for the front of the legs then 2-3 week break then 8 treatments for the back of the legs.



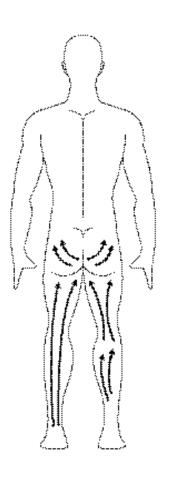
### **Movements**

Lymphatic drainage for thigh and Buttocks

M1 Roll up 50:50









### **Movements**

# Cellulite treatment for buttocks

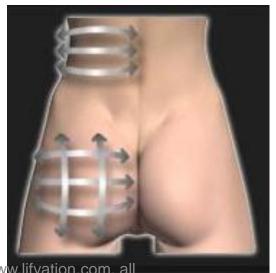
### **M2**

**Roll In** – Intense mobilisation for heavy cellulite. This action increases micro-circulation and stretches and increases the flexibility of the septa.

Repeat movements on **Roll Out** - Controlled and specific stimulation of loose skin and cellulite.

Repeat lymphatic drainage movements on M1 to finish treatment.





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### **Movements**

### Cellulite treatment for legs

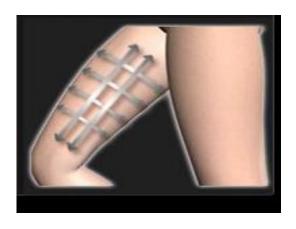
#### **M2**

**Roll In** – Intense mobilisation for heavy cellulite. This action increases micro-circulation and stretches and increases the flexibility of the septa.

Repeat movements on **Roll Out**- Controlled and specific
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cellulite.

Repeat lymphatic drainage movements on M1 to finish treatment.







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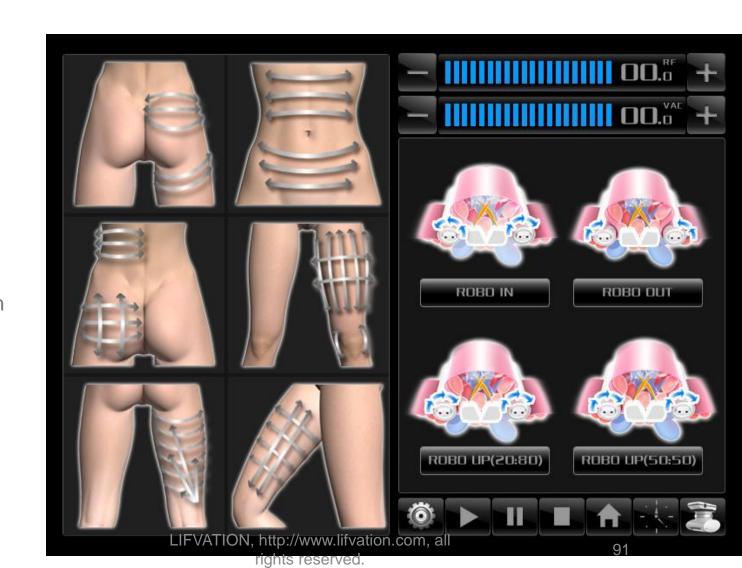
#### **Abdomen**

M2
Roll In – Intense
mobilisation for heavy
cellulite. This action
increases microcirculation and
stretches and
increases the flexibility
of the septa.

Repeat movements on Roll Out - Controlled and specific stimulation of loose skin and cellulite.

Repeat lymphatic drainage movements on M1 to finish treatment.

### **Movements**





8.0

## **CONTRAINDICATIONS**



### **General Contraindications**

- Pregnancy
- Epilepsy
- Diabetes
- Treatment for cancer
- Pacemaker or cardiac disorders
- Immunosuppressive diseases
- Patients with thrombosis and /or thrombophlebitis.
- Patients being treated with anticoagulants
- Patients who have undergone a transplant
- Carriers of large metal prostheses



### **General Contraindications**

- Avoid Eczema, Psoriasis or Rash
- Herpes Simplex
- Permanent Fillers (Silicone)
- Dermal Fillers consult physician
- Chemical Peeling and laser resurfacing within the past 3 months or still during healing process.



### RF contraindications

### Please avoid the treatment on,

- Pregnancy
- Scarring, infection of the treatment area
- History of keloid scarring
- Use of medication known to induce photosensitivity
- Fragile skin
- Patients undergoing the surgical procedure without consulting with a surgeon
- Patients with tumors
- Patients with serious disease
- Patients with low/high blood pressure
- Blood thinning medication
- Recent skin peels
- Recent hair removal
- Skin thinning medication



9.0

## **SETUP & MAINTENANCE**



 The following checks and procedures are advised to ensure that the 3D-lipo device is operating at its optimum performance and also to prevent any unnecessary damage to the body of the unit.



### Cavitation Handpiece Care

- Never run cavitation mode if the handset is disconnected or not emitting.
- Never run cavitation head unless in contact with a client and with the use of gel.
- Never coil the wire or wrap around hand set as could lead to wire damage

#	What you are checking:	Procedure	Frequency	What to record	Troubleshooting
T1	Transducer operation	Check that all 4 transducers are humming when running	Daily	Write down the check date	
T2	Transducer lifecycle (200 hours)	Run Check on Manual mode 10% - 100% output. At 100% the hand set should run almost silent. Let the handset run for 2-3 minutes.	Monthly	Write down the check date & any observation	If the transducers are noisy, it's time to replace as the transducers are showing signs of reduced output.  If a handset is running warmer than usual this is also a sign that it might be time to replace.
					If there is visible or suspected damage to the cavitation wire turn off and disconnect from the machine immediately and
					replace hand set.



## Filling water for the Cryo Chamber



- Plug in funnel tube into water inlet.
   Use distilled water only.
- Plug in straight tube into water outlet. Place the bottom tube into a container that is higher than the outlet.



## Cryo Handpiece Care

- 1. Always ensure white top of Cryo hand piece is facing upwards to prevent fluid travelling down the tubing.
- 2. Always ensure that when connecting the Cryo hand set to the machine it is not forced and presented straight, listening for two clicks.



#

y1

y2

у3

y4

у5

What you are

checking:

Water Level

Plate cooling

Vacuum efficiency

Vacuum Safety

efficiency

**Procedure** 

down

of vacuum.

Always ensure Water tank is full

and follow the instructions on

Check that both cooling plates

Always ensure the filter on the

back of the machine is free of

remains in place to prevent loss

Replace Cryo head filter at least

once per month or sooner if

experiencing lack of vacuum.

Always check both emergency stop buttons are functioning

prior to treatment.

fluid. Empty immediately if signs of fluid are present ensuring that the O ring

the water filling document.

in the hand sets are chilling

**Frequency** 

Weekly

Daily

Daily

Monthly

Daily

What to record

Write down the

Write down down

Write down the

Record the last

Write down the

check date

replacement date

check date

check date

time to cool

**Troubleshooting** 

If heat is experienced

during or prior to a

the treatment.

cryo treatment, stop



9.1

## MAINTENANCE CHECKLIST

What you

checking:

Water

Level

Plate

cooling

efficiency

Vacuum

Vacuum

Safety

efficiency

у1

y2

y3

y4

у5

are

**Procedure** 

Always ensure Water

tank is full and follow the instructions on the water filling document.

Check that both

down

vacuum.

vacuum.

Replace Cryo head

Always check both

buttons are functioning prior to treatment.

emergency stop

filter at least once per month or sooner if experiencing lack of

cooling plates in the

hand sets are chilling

Always ensure the filter on the back of the

machine is free of fluid. Empty immediately if signs of fluid are present ensuring that the O ring remains in place to prevent loss of **Frequency** 

Weekly

Daily

Daily

Monthly

Daily

#	What you are checking:	Procedure	Frequency								
T1	Transducer operation	Check that all 4 transducers are humming when running	Daily								
T2	Transducer lifecycle (200 hours)	Run Check on Manual mode 10% - 100% output. At 100% the hand set should run almost silent. Let the handset run for 2- 3 minutes.	Monthly								



10.0

## **REFERENCES**

#### DECLARATION OF CONFORMITY

We: 3D-Lipo Ltd, Units 1&2 The Locks, Hillmorton, Rugby, Warwickshire, CV21 4PP, United Kingdom Registered in England & Wales No. 0754088. Registered Office: Bloxam Court, Corporation Street, Rugby, CV21 2DU

Declare, under our sole responsibility, that the following products identified in this declaration,

Product Name: 3D-lipo

Model Name: 3D-Lipo+ / 3D-lipo

#### EMC DIRECTIVE

That the 3D-Lipo Apparatus comply to the protection requirements of the Council directive 2004/108/EC

EN 6061-1-2:2007 EN 61000-3-2 2006 +A1 2009+A2 EN 61000-3-3:2008

#### LOW VOLTAGE DIRECTIVE

We also certify that the 3D-lipo complies with the protection requirements of council directive 2006/95/EC

EN 60601-1: 1990+A1: 1993+AZ: 1993+AZ: 1995;

EN 60601-1-1:2001

CE DATE OF MARKING: APRIL13 2012 IN THE UK

DATE: 05th August 2013.

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.

Authorised Signatory

Name /Position: Roydon Cowley Managing Director





### Online Resources

Introductions: <a href="http://3dLipomed.Lifvation.com">http://3dLipomed.Lifvation.com</a>

Clinical papers: <a href="http://download.Lifvation.com">http://download.Lifvation.com</a>

• FAQ & Forum: <a href="http://www.lifvation.com/forum/index.php?topic=68.0">http://www.lifvation.com/forum/index.php?topic=68.0</a>





A Powerful Three Dimensional Alternative to Liposuction

