**Aqualyx**™

AQUALYX™ is a form of injection lipolysis, lipotherapy or intralipotherapy.

It was developed by Professor Pasquale Motolese, president of the Italian Society of Aesthetics and Medicine and first introduced in 2009. It is sometimes referred to as ‘Motolese`s Solution’.

AQUALYX is manufactured by the Italian firm Marllor and was first launched in the UK in 2013. It is distributed in the UK by Healthxchange Pharmacy.

AQUALYX was developed to treat localised pockets of fat underneath the surface of the skin.

It can be used to treat fat pockets on the back, chin, stomach, underneath the buttocks, hips, thighs and knees. It can also be used to treat pseudo-gynaecomastia, the development of fatty tissue around the nipple, resulting in a “breast”-like appearance in men, (due to weight gain rather than the growth of actual breast tissue as seen in genuine male gynaecomastia).

Clinical data shows that the application of AQUALYX is effective and safe, leading to an increasingly contoured appearance.

**How does it work?**

The solution is injected into the treatment area whereby AQUALYX alters the surface tension of the fat cell membrane and increases the permeability of the membrane. The fat cells start to balloon and break up, leading to the drainage of micro droplets of fatty liquid into the body, which is then metabolised through the lymphatic system and excreted.

**What happens during treatment?**

One AQUALYX treatment typically consists of several injection sites. A local anaesthetic, lidocaine cream, will usually be administered before the treatment commences. The practitioner may also add the lidocaine anaesthetic to the AQUALYX solution so that the two are injected together. Either method should minimise discomfort during the procedure.

**Treatment regime**

The time taken for a treatment session will depend upon the size of the area and indication being treated.

Treatment can take between 30 - 60 minutes per treatment and you will typically require 2 - 8 treatments, 4 weeks apart. Some people may see significant results after 1 or 2 sessions.

Treatment for fat pockets underneath the neck and chin, for example, may require 1 - 3 treatments, while treatment for fat pockets on the hips and thighs may require 8 treatments.

AQUALYX should only be used by fully trained medical professionals

**What is it used to treat?**

AQUALYX can be used to treat stubborn fat pockets in a number of areas, including the hips, thighs and knees, the area underneath the buttocks, the stomach and back and the chin and the area underneath the chin.

It is used to treat pockets of fat that are difficult to remove through diet and exercise alone. Aqualyx is not a weight loss solution.

**How long does it last?**

The results of an AQUALYX treatment are permanent under the condition of maintaining a constant weight measurement (i.e. assuming you don`t gain weight). Once the freed fatty acids have been processed through the body’s lymphatic system, they don’t reappear.

However, the procedure is only permanent if you follow a healthy diet and exercise frequently following treatment. If you regain weight, it is likely that the fat pockets will reappear. If a healthy lifestyle is maintained, the results should be permanent.

**Side effects & risks**

People treated with AQUALYX will typically experience minimal side effects when compared to more invasive procedures, such as liposuction.

Side effects include some redness, swelling and tenderness in the treated area.

Some people may experience some light bruising, but this and any other side effects will usually resolve within a few days. You may need to take over the counter painkillers to control any pain-related side effects.

The manufacturers report that to date no major side effects of AQUALYX use have been reported to them.

**Not to be used in**

As long as you are generally healthy and don’t have any skin diseases or infections in the area treated, there are few medical reasons why you should not undergo this treatment.

However, AQUALYX is not recommended for women who are pregnant or breast feeding. It is also not recommended for those people who have been diagnosed with lipodystrophy or any pathological conditions.

It should only be used in people aged 18 - 60.

**Cost of treatment**

The cost of treatment depends on the area(s) being treated and the indication and can range from approximately £395 - £495 per session. A smaller area, such as under the chin, may be priced at around £250.

**Clinical papers**

[*Cavitational adipocytolysis with a micro-gelatinous injectable for subcutaneous adipose tissue volume reduction: ex-vivo histological findings*](http://www.aqualyx.co.uk/downloads/Cavitational.pdf)

*Giovanni Salti MD, Pasquale Motolese MD, Professor Formest of the University of Ferrara, Italy
The European Journal of Aesthetic Medicine and Dermatology, 2012;2(2):94-97*

[Intralipotherapy patient satisfaction evaluation study (IPSES)](http://www.aqualyx.co.uk/downloads/Intralipotherapy.pdf)

*Hernan Pinto, Graciela Melamed, Luca Fioravanti at the Thermalift Center, Paris
The European Journal of Aesthetic Medicine and Dermatology, 2012;2(1):29-34*

[Non-surgical reduction of buffalo hump deformity, case report and literature review](http://www.aqualyx.co.uk/downloads/Buffalo-Hump-Deformity.pdf)

*Raffaele Rauso MD
The European Journal of Aesthetic Medicine and Dermatology, 2011;1(1):29-*