

## Sclerotherapy Brandon

Sclerotherapy Brandon - Sclerotherapy is a therapy utilized so as to cure blood vessel malformations, vascular malformations and similar issues of the lymphatic system. Sclerotherapy works by means of injecting medicine into the vessels which makes them become smaller. It is a treatment that has been made use of for varicose veins for over 150 years. The latest developments in these therapy techniques consist of using ultrasonographic guidance and foam sclerotherapy. Both kids and young adults who have vascular or lymphatic malformations could benefit from this therapy. In the older population, it is often used to treat varicose veins and hemorrhoids.

The first attempt making use of sclerotherapy that was reported, was made in the year 1682, by D. Zollikofer in Switzerland. He injected an acid into a vein so as to help induce thrombus formation. There was initial success reported during the year 1853, in treating varicose veins by means of injecting perchlorate of iron. Later during 1854, sixteen cases of varicose veins were cured by injecting iodine and tannine into the veins. These new methods became available around twelve years after the first treatment of the great saphenous vein stripping which was introduced by Madelung in 1844. There were unfortunately numerous side-effects with the drugs used at the time for sclerotherapy and by the year 1894; this practice was pretty much discarded. Through this era, numerous improvements were made for anaesthetics and surgical techniques; hence, stripping emerged as the varicose vein cure of choice.

There are other cures available to use together with sclerotherapy to cure varicose veins and venous malformations. These comprise laser ablation, radiofrequency and surgery or the more preferred use of ultrasound-guided sclerotherapy. It uses ultrasound to visualize the underlying vein in order for the doctor to deliver and monitor the injection in a safe and effective way. Usually, sclerotherapy is done under ultrasound guidance when the venous abnormalities have been diagnosed with duplex ultrasound. The use of micro-foam sclerosants and sclerotherapy together with ultrasound guidance has shown to be effective in controlling reflux from the sapheno-popliteal and sapheno-femoral junctions. There are several experts who think that this particular treatment is not suitable for veins with axial reflux or those with reflux from the greater or lesser saphenous junction.

Alternative sclerosants were sought out during the early 20th century. It was found that carbolic acid and perchlorate of mercury can obliterate varicose veins, however, extreme side-effects also caused these treatments to be discarded. After WWI, Professor Sicard and several other French physicians developed utilizing sodium carbonate and sodium salicylate. All through the early 20th century, quinine was also utilized along with some effect. In 1929, Coppleson's book was advocating the use of quinine or sodium salicylate as the best sclerosant alternatives.

Throughout the following decades, additional work continued on improving the technique and development of more effective and safer sclerosants. STS or likewise called sodium tetradecyl sulphate was an important development in the year 1946. This particular product is still made use of often today. During the 1960s, George Fegan reported treating over 13,000 individuals with sclerotherapy. He concentrated on fibrosis of the vein instead of thrombosis. This new method significantly advanced the method, by emphasizing the importance of compression of the treated leg and controlling significant points of reflux. Soon after, this particular method became medically accepted in mainland Europe through that time period, although it was not specifically understood or accepted in the United States or in England.

During the 1980s, the next major development in the evolution of sclerotherapy was the advent of duplex ultrasonography. Along with this evolution was its incorporation into the sclerotherapy practice later in that decade. This new procedure was presented at many conferences within the USA and Europe. By injecting unwanted veins with a sclerosing solution, the targeted vein instantly becomes smaller and afterward dissolves over a period of weeks. The body then naturally absorbs the treated vein and it is gone.

With regards to getting rid of smaller varicose leg veins and "telangiectasiae" or large spider veins, sclerotherapy is preferred over laser therapy. A benefit to using the sclerosing solution is that it closes the feeder veins under the skin that are causing the spider veins to form and this makes whichever recurrence of spider veins in the treated part much less possible. This is one of the prominent reasons sclerosing treatments very much vary from laser treatments.

Multiple injections of dilute sclerosant are injected into the abnormal surface of the veins of the leg. The leg must then be compressed using stockings or bandages, needing to be worn for approximately two weeks after whichever treatment. Patients are encouraged to walk regularly during that time too. It is common practice for the individual to need at least two treatment sessions which are usually separated by several weeks so as to improve the overall appearance of their leg veins.