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MonaLisa Touch™ for the Treatment of Vulvar Atrophy and Lichen Sclerosus

MonaLisa Touch™

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The authors report their experience when using **MonaLisa Touch™** when treating vulvar atrophy (fig.1) and lichen sclerosus (fig.2). The latter is a chronic autoimmune aetiology illness characterised at clinical level, with a state of sclerosis and/or tissue atrophy seen as pale skin, loss of elasticity and hardening of the areas involved.

Hypervascularisation is a characteristic of Lichen sclerosus.

The laser pulses, aimed at the vaginal tissue by a special probe (fig.3), create micro-lesions.

These are surrounded by healthy tissue and fractionate the mucosa. This triggers the natural repair and rejuvenation processes, stimulates the production of collagen and blood flow in the area and consequently promotes lubrication, thereby restoring hydration and tissue elasticity.

The rejuvenation of tissue is favoured by the phenomena of neovascularisation and hypervascularisation.

The advantages of **MonaLisa Touch™** derive from the possibility of using high power supply (up to 40 W)

painlessly, thanks to careful management of the pulse time and its mode of delivery. High power allows for excellent depth of ablation without damaging healthy tissue.

The DEKA Pulse (DP) mode is specifically designed to distribute the energy so as to benefit from both the ablative part as well as the thermal part.

The short time frame in which the operators could apply the method in question, allowed only a few patients to be treated, four in five months, also due to the low occurrence of the disease. However, the preliminary results of this experience are very encouraging: in 2 cases the symptoms were reduced by over 70%; in one case, the elasticity of the posterior vulvar fork was particularly improved, which is subject to continuous lacerations.

All the treated patients reported a significant improvement in their symptoms that adversely affect the quality of life. This result, obtained with easy-to-apply, outpatient (fig.4) and painless treatment, is encouraging to advance further, thereby relying on **MonaLisa Touch™** as elective therapy for sclero-atrophic vulvo-vaginal conditions.



Fig. 1: Atrophic vulvitis



Fig. 2: Lichen sclerosus

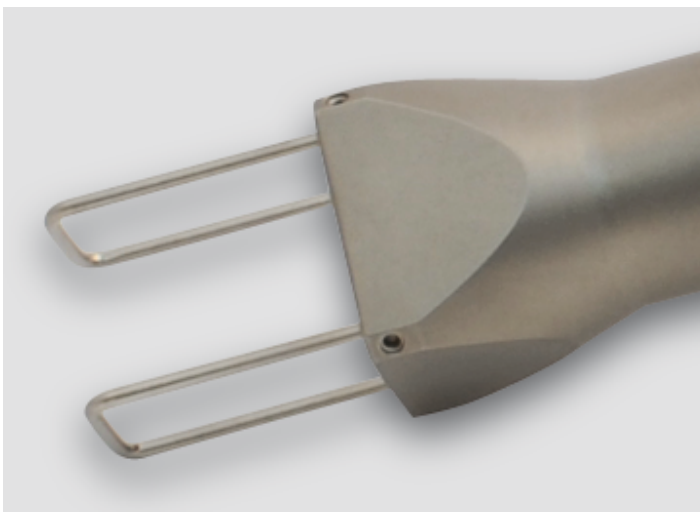


Fig. 3: MonaLisa Touch™ vulvar applicator



Fig. 4: MonaLisa Touch™ treatment for lichen sclero-atrophic

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