



PORTRAYAL OF
ONE THOUSAND
& ONE
NIGHTS

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MEDICAL DEVICES



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madame X
VAGINAL RF + EMS

M E R S A M E D I C A L D E V I C E S



Portrayal of One thousand & One Nights
With RF and EMS Technologies



Vaginal RF + EMS Technology

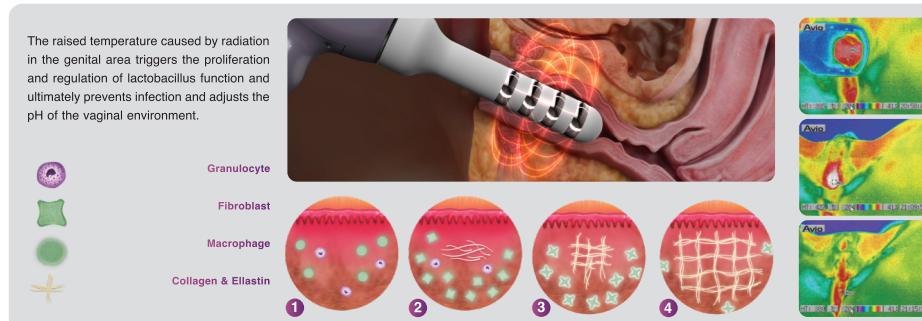
In vaginal RF technology, safe electrodes emit high-frequency radio waves that affect the internal and external parts of the vagina and create significant effects in the area. Radiofrequency waves, which have high energy and long-term effectiveness, having multipolar and monopolar modes, increase the temperature of the underlying layers and muscles and have their therapeutic effect without increasing the temperature of the surface of the skin and mucous layer and thus without any side effects. In order to increase safety, the temperature of the probe is monitored by four special sensors during the treatment and controlled by an intelligent system.

Electrical Muscle Stimulation (EMS), stimulates the natural neuro-muscular mechanisms of the pelvic floor and vagina in a non-invasive, non-surgical, painless manner. By controlling the frequency, time and the intensity of the electric current and by creating a contraction-relaxation cycle, it causes reactivation of weakened muscles or control of abnormal muscle activity.

Mechanism of Action

Madame X has two internal and external handpieces that emit RF in multipolar or monopolar modes. The internal handpiece supports simultaneous use of EMS.

- With the placement of an sterile probe and according to the modes selected by the physician (multipolar, monopolar and EMS), RF and electric pulses will begin and affect the tissue.
- Radiofrequency waves produce heat in the lower parts of the skin such as dermis layer, pelvic muscles, vaginal wall muscles, bladder muscles, labia minora and labia majora.
- By stimulating the nerves and muscles of the pelvic floor, EMS causes them to contract and thereby restores their normal function, strengthening the muscles and increasing sensitivity in sexual intercourse.
- This heat by RF, first improves muscle contraction and diseases related to muscle weakness such as pelvic and bladder laxation, urinary incontinence, vaginal wall laxity, and labia asymmetry.
- Next, thermolysis reactions and stimulation of the body to produce more collagen and growth factors, rejuvenate the genitals and tightens the vaginal wall, increase moisture, and reduce pain during sex.



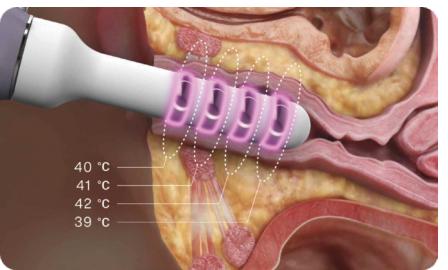
Internal & External Handpiece Design

The Madame X device is equipped with two types of unique handpieces; The internal handpiece of the vagina is equipped with a sterile probe and tracking capability, and the external handpiece is equipped with a special silicone cover for use in external areas. The design of these handpieces is ergonomic and suitable for long-term use. Also, stainless steel 316 alloys, which have a special application in medicine, have been used as biocompatible electrodes in the probe.



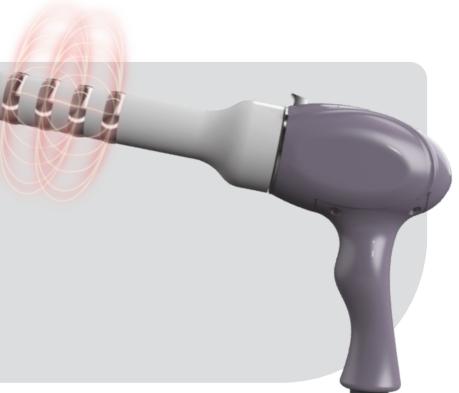
Protective Sensors

The special design of the Madame X probe ensures that the temperature of all four handpiece electrodes of the device is measured and controlled separately by the temperature sensors. This accurate monitoring firstly prevents any errors and guarantees the complete safety of the patient; Secondly, the presence of sensors ensures the doctor's assurance of the correct and accurate treatment by Madame X, since the doctor can observe the temperature of the vaginal canal at any point.



360-degree design

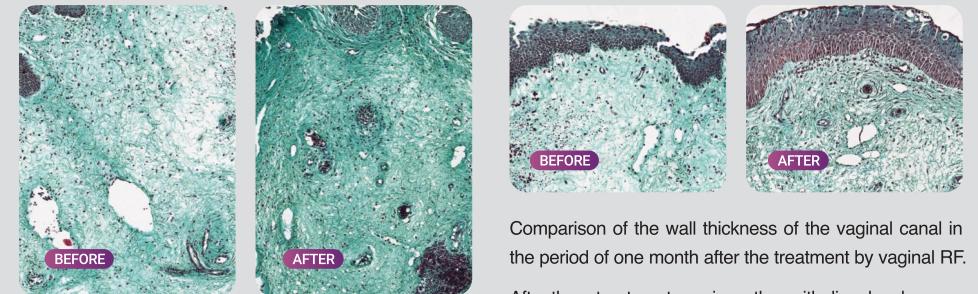
The internal probe electrodes of Madame X are designed in a way that there is no need to rotate the handpiece during the treatment. Using EMS along with RF waves, these 360-degree electrodes simultaneously and uniformly target the muscles of the pelvic floor and vagina and repair all the internal tissue equally.



Technical Specifications

Dedicated internal vaginal handpiece	Device Name	Madame X Vaginal RF + EMS
Dedicated handpiece for external vaginal lift	RF output frequency	8 MHz & 4 MHz
Distinct monopolar and multipolar working modes	Maximum input power	100 VA
Distinctive mode of impact on the muscles of the vaginal wall	Maximum RF output power	70 W
Special mode of impact on the pelvic muscles	EMS output current	0-100 mA
Temperature monitoring system	Insulation class	CLASS II
Disposable and trackable probe	Working modes	Monopolar, Multipolar
Simultaneous Application of RF and EMS	Number of generators	2 RF + 1 EMS

Histological image of the treated tissue



Comparison of the wall thickness of the vaginal canal in the period of one month after the treatment by vaginal RF. After three treatment sessions, the epithelium has become thicker, and the mucous membrane, which is responsible for keeping the mucous layer moist, has a better dense structure.

Urinary Incontinence

Sexual Dysfunction

Weakness & Sagging of the Vaginal Muscles

Pelvic & Bladder Prolapse

Labia Asymmetry

Vaginal Atrophy

Lifting & Shaping the Vaginal Area

Regulating Moisture & Eliminating Vaginal Dryness

Increase G Spot Sensitivity

Tightening the Vaginal Canal

