

CARESS FLOW

OXYGEN FOR VULVO - VAGINAL TREATMENTS



LEARN MORE

Vestibulitis

**Vulvo Vaginal
Atrophy**

**Recurrent
Candidiasis**

**A SYSTEM
FOR 6 PATHOLOGIES**







**Urethral
Burn**

Lichen

**Urinary
incontinence**

CARESS FLOW

AN ESSENTIAL TOOL AS THE ULTRASOUND

PATHOLOGY	FEMALE POPULATION AFFECTED	TREATMENT CARESS FLOW
VULVO VAGINAL ATROPHY	105,740,000	
URETHRAL BURN	9,952,000	
RECURRENT CANDIDIASIS	167,940,000	
URINARY INCONTINENCE	43,540,000	
LICHEN	18,660,000	
VESTIBULITIS	43,540,000	

OTHER STUDIES ARE ONGOING

European Market data detected in 2019 on the pathologies that can afflict the female population over their lifetime.

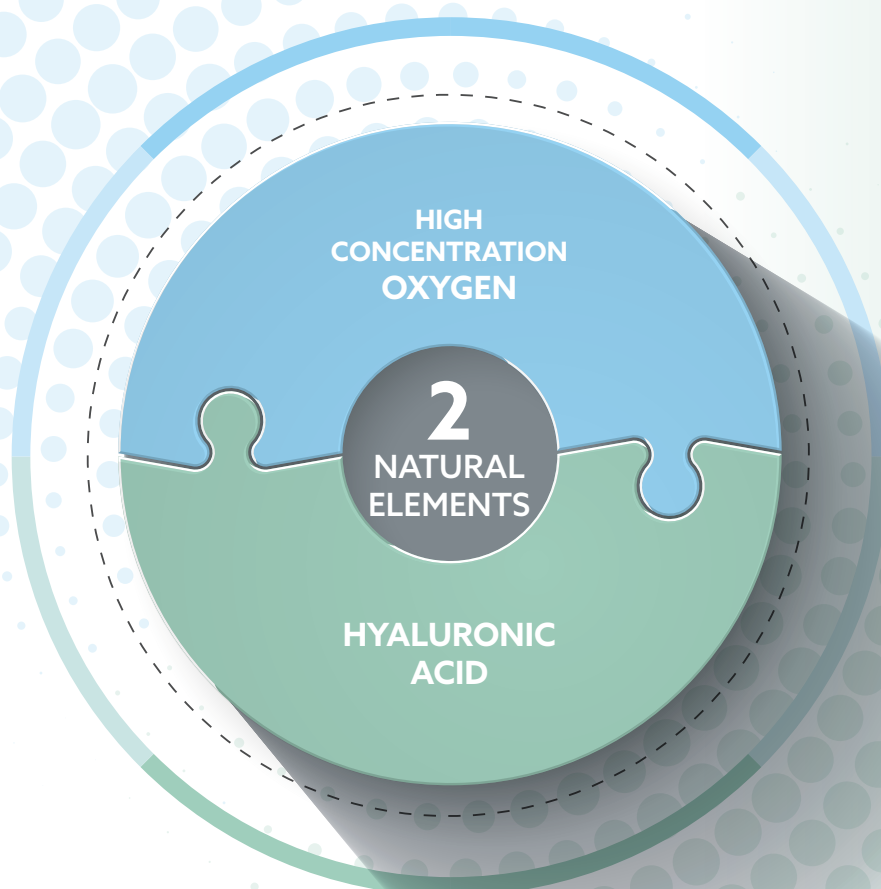
THE **SCIENTIFIC** DISCOVERY

CARESS FLOW is a scientific discovery born after four years of joint research by a team of doctors.

THE SYNERGY OF 2 NATURAL ELEMENTS

MOLECULAR OXYGEN

- It reactivates microcirculation favoring neoangiogenesis
- Promotes tissue regeneration
- Stimulates cell turnover by improving trophism and tissue elasticity.
- Acts as an anaerobic bactericide.



HYALURONIC ACID

Hyaluronic acid has a **high moisturizing power** with a physiological action in maintaining the turgor, plasticity and shape of the tissues.

THE SCIENTIFIC PUBLICATIONS



EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES

Vaginal natural oxygenation device (VNOD) for concomitant administration of hyaluronic acid and topical hyperbaric oxygen to treat vulvo-vaginal atrophy: a pilot study

2018; 22: 8480-8486

L. CONDEMI, J. DI GIUSEPPE, G. DELLI CARPINI, F. GAROIA, A. FREGA, A. CIAVATTINI

Scientific publications on oxygen

- Tandara, A. & Mustoe, T. Oxygen in Wound Healing—More than a Nutrient. World J. Surg. (2004) 28: 294.
- Sheikh AY, Gibson JJ, Rollins MD, et al. Effect of hyperoxia on vascular endothelial growth factor levels in a wound model. Arch. Surg. 2000; 135:1293-1297.
- Hunt TK, Pai MP. The effect of varying ambient oxygen tensions on wound metabolism and collagen synthesis. Surg Gynecol Obstet 1972; 135: 561-567.
- Congqiang Rao, Liling Xiao, Hongwei Liu, Shenghong Li, Jinqiang Lu, Jiangxuan Li, Shixing Gu. Effects of topical oxygen therapy on ischemic wound healing J. Phys. Ther. Sci. 28: 118-123, 2016.

Scientific publications on hyaluronic acid

- Tezel A & Fredrickson GH (2009) The science of hyaluronic acid dermal fillers. Journal of Cosmetic and Laser Therapy, 10:1, 35-42. Grimaldi EF, Restaino S, Inglese S, Foltran L, Sorz A, Di Lorenzo G, Guaschino S.
- Rayahin JE, Buhrman JS, Zhang Y, Koh TJ, Gemeinhart RA. High and low molecular weight hyaluronic acid differentially influence macrophage activation. ACS Biomater Sci Eng. 2015 Jul 13;1(7):481-493.
- Litwiniuk M, Krejner A, Speyrer MS, Gauto AR, Grzela T. Hyaluronic Acid in Inflammation and Tissue Regeneration. Wounds. 2016 Mar;28(3):78-88.
- Aya KL, Stern R. Hyaluronan in wound healing: rediscovering a major player. Wound Repair Regen. 2014 Sep-Oct;22(5):579-93.

STUDIES IN COURSE OF PUBLICATION

Vaginal Natural Oxygenation Device (VNOD): a controlled, randomized study on concurrent administration of hyaluronic acid and topical oxygen for the treatment of vulvo-vaginal atrophy

S. Orsola Hospital – Bologna
Prof. Maria Cristina Meriggiola

Prospective observational study of symptoms and signs in women with genitourinary **syndrome of menopause after a period (six treatments)** of endo-vaginal application of high concentration oxygen via the Caress Flow device.

V. Buzzi Hospital Milan
Prof. Filippo Murina

Evaluation of the **effectiveness of topical administration of acid hyaluronic and hyperbaric oxygen through a specific medical device, compared to the topical administration of hyaluronic acid alone** in the improvement of urgency, stress and mixed incontinence in patients with genitourinary syndrome of menopause (GSM): a prospective study single-blind, multicentre, randomized

Department of Clinical Medicine and Experimental, Unit of Obstetrics and Gynecology, University of Studies Magna Graecia of Catanzaro, Italy.
Prof. Costantino Di Carlo

Caress Flow effect on young women in menopause induced by **mammary carcinoma**.

S. Martino Hospital Genoa
Prof. Angelo Cagnacci

Caress Flow effect on **lichen, atrophy and vestibulitis**.

Dr. Elena Bertozzi - Fidenza

Combined **Laser-Caress Flow** effect on cancer patients in iatrogenic menopause.

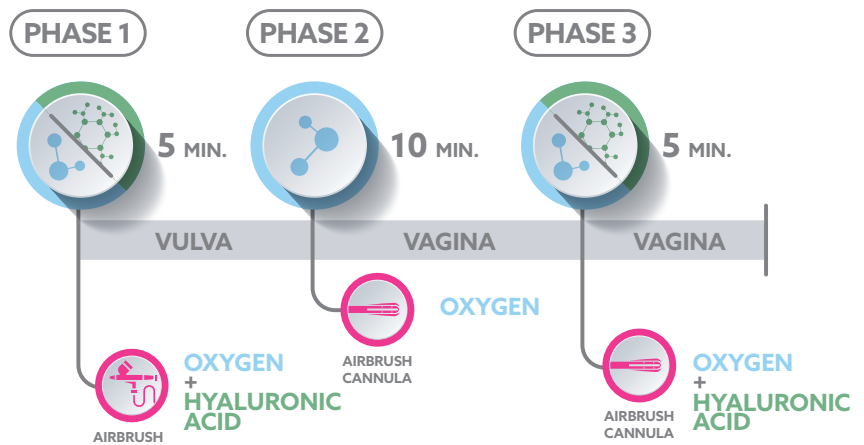
S. Raffaele Hospital Milan
Prof. Stefano Salvatore

THE PROTOCOLS FOR THE 6 PATHOLOGIES

VESTIBULITIS AND RECURRENT CANDIDIASIS

For the first 5 minutes oxygen is delivered on the vulva by nebulization (to be performed 2 mm away from the vulva) with low molecular weight hyaluronic acid (3ml). For the next 10 minutes oxygen alone is delivered in vagina and for the last 5 minutes oxygen combined with hyaluronic acid is delivered always in vagina (12ml).

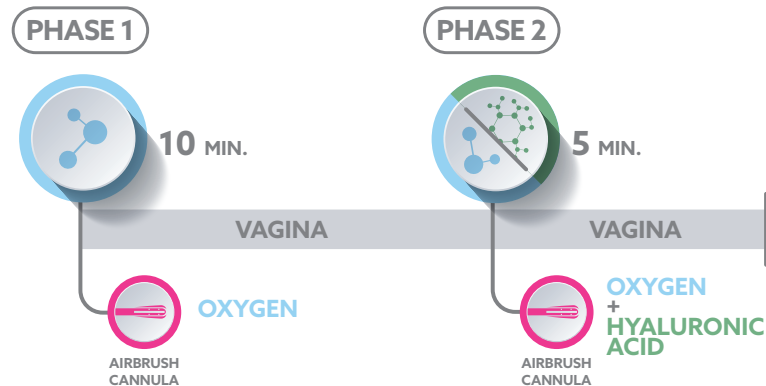
5 Treatments
One every week



VULVO VAGINAL ATROPHY AND URINARY INCONTINENCE

For the first 10 minutes oxygen is delivered with Caress Flow through the use of disposable cannulas. For the next 5 minutes, oxygen is delivered combined with low molecular weight hyaluronic acid (15ml).

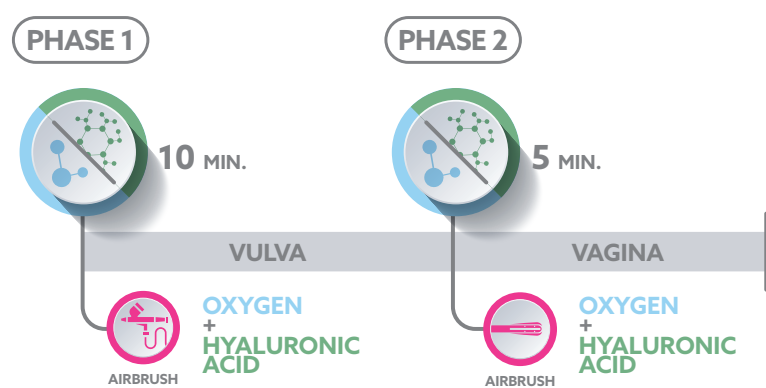
5 Treatments
One every two weeks



LICHEN

For the first 10 minutes oxygen is delivered on the vulva by nebulization (to be performed 2 mm away from the vulva) with low molecular weight hyaluronic acid (3ml). For the next 5 minutes oxygen combined with acid is delivered hyaluronic in the vagina (12ml).

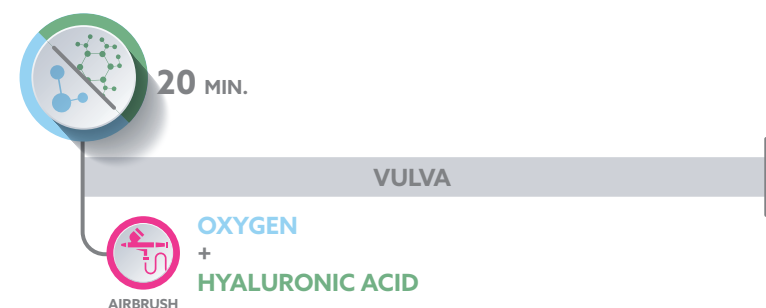
5 Treatments
One every week



URETHRAL BURN

For 20 minutes oxygen is delivered on the vulva by nebulization (to be performed 2 mm away from the vulva) with low molecular weight hyaluronic until the bottle is empty (15ml).

8 Treatments
6 Treatments, one every week +
2 Treatments, one every two weeks



HOW TO COMPARE WITH OTHERS

	LASER	RADIOFREQUENCY	CARESS FLOW
REST POST TREATMENT	7 days	2-3 days	NONE
CONSTRAINTS POST TREATMENT	No baths, spas, pool	No baths, spas, pool	NONE
CREAMS IN THE FOLLOWING DAYS	15-30 days to soothe and repair	15-30 days to soothe and repair	NONE
POST TREATMENT STERILIZATION	Necessary at each sitting with autoclave	Necessary at each sitting with autoclave	SINGLE USE
PURCHASE PRICE	High	High	LOW
PRICE PER TREATMENT	High	High	LOW

PATHOLOGIES	LASER	RADIOFREQUENCY	CARESS FLOW
VULVO VAGINAL ATROPHY	✓	✓	✓
URETHRAL BURN	✗	✗	✓
RECURRENT CANDIDIASIS	✗	✗	✓
URINARY INCONTINENCE	✓	✓	✓
LICHEN	✓	✓	✓
VESTIBULITIS	✓	✓	✓

TECHNICAL SPECIFICATIONS



Width: 44.4 cm
Depth: 23.8 cm
Height: 58.7 cm



**BOTTLE OF
HYALURONIC ACID**



**CONNECTING
TUBE**



CANNULA



AIRBRUSH

CE 1370

CARESS FLOW TECHNICAL SPECIFICATIONS	
Weight	24 kg
Environment temperature during operation	From 10 to 40 °C
Environment humidity during operation	≤ 80% relative humidity
Environment atmospheric pressure	From 860 to 1060 hP
Supply voltage	220-240 V.a.c., 50/60 Hz
Fuse size	T3,15A, 5x20mm
Electrical Safety Class	I BF
Medical Risk class	IIA
Power absorbed in input	Max 600W
Oxygen purity	93% +/- 3%
Oxygen flow	2 ±0.2 L/min
Oxygen flow pressure	1±0.1 Bar

DISPOSABLE KIT	
Kit Composition	15 Connective Tubes
	15 Cannulas
	15 Bottles of Hyaluronic Acid
Width	18.5 cm
Depth	22.5 cm
Height	17 cm
Connecting Tubes	Anti-crushing tube for oxygen, length 2 m, with male / female connections Length 14.6 cm
Cannulas	Min diameter 9.5 mm
	Dispensing holes 1.45 mm
	Syringe hole 0.8 mm
Hyaluronic acid	Bottles of 15 ml of HA with a low molecular weight

CARESS FLOW

OXYGEN FOR VULVO - VAGINAL TREATMENTS

www.caressflow.com

THE RESULTS

VESTIBULITIS

79%

Decreased
itching

79%

Reduction
of injuries

URETHRAL BURN

82%

Decreased
burning

RECURRENT CANDIDIASIS

94%

Absence of
Recurrent Candidiasis
after 3 months

83%

Absence of
Recurrent Candidiasis
after 6 months

VULVO VAGINAL ATROPHY

85%

Decreased
burning

81%

Increased
fluidity

URINARY INCONTINENCE

81%

Reduction
of incontinence

LICHEN

83%

Pain
relief

83%

Decreased
itching

A SOLUTION:

PAINLESS

SAFE

PLEASANT

WITH NO SIDE EFFECTS

WITHOUT RISKS FOR THE PATIENT

WITHOUT RISKS FOR THE PRACTITIONER

ALWAYS REPEATABLE

PROFITABLE

INFORMATIVE MATERIAL RESERVED TO DOCTORS AND HEALTHCARE PROFESSIONALS

MKT-003-EN-REV-08