

A botanical multi-organic composition with maximum bioavailability for women

Abstract

The present patent-pending invention relates to a topical pharmaceutical nano composition (with maximum bioavailability) for female sexual response, including female sexual dysfunction, such as female sexual arousal disorders, orgasmic disorders, and sexual pain disorders, and enhancing female sexual pleasure and satisfaction of the female sexual experience as well as vaginal infections. The composition for treating this problem preferably formed of a natural cream, bee propolis, fenugreek, oregano, L-Arginine orotate, Tribulus terrestris or extract of them. In particular the composition is applied on women clitoris to enhance pleasure and increase number of orgasm for women during intercourse. Observed results showed excellent results for all ages of women with no adverse or side effects.

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Description of the invention

Orgasmic dysfunction is a condition that occurs when someone has difficulty reaching orgasm, even when they're sexually aroused and there's sufficient sexual stimulation. When this condition occurs in women, it's known as female orgasmic dysfunction. Men can also experience orgasmic dysfunction, but this is much less common.

Orgasms are intense feelings of release during sexual stimulation. They can vary in intensity, duration, and frequency. Orgasms can occur with little sexual stimulation, but sometimes much more stimulation is needed. Many women have difficulty reaching orgasm with a partner even after ample sexual stimulation. In fact, orgasmic dysfunction affects approximately one in three women. Orgasmic dysfunction is also known as anorgasmia or female orgasmic disorder.

While huge number of studies focused on male erectile dysfunction (ED) and Premature Ejaculation (PE) progressed rapidly in the past twenty years and led to new therapeutic products and formulations, little has been done to address similar issues in women. Accordingly the present invention relates to all aspects of managing the female sexual response, including female sexual dysfunction, such as female sexual arousal disorders, orgasmic disorders, sexual pain disorders, vaginal infection and enhancing the female sexual experience. In particular the present invention relates to compositions, articles of manufacture, methods of preparation thereof, methods of use thereof, etc., for conditions, disorders, and diseases related to female reproductive physiology systems, especially those involved in the female sexual response.

Compositions comprising botanical extracts, active agents, etc., can be produced and used in accordance with the present invention that is useful to treat or affect the female sexual response. For example, the present invention relates to compositions, preferably for topical or local use, which comprise one or more of the following ingredients, including, but not limited to, bee propolis, fenugreek, oregano, L-Arginine orotate and *Tribulus terrestris*. The compositions can produce one or more of the following pharmacological effects, including, but not limited to, increases in localized nitric oxide, anti-oxidation, vasodilation, smooth muscle relaxation, etc.

Bee propolis has been found to be more effective than some

pharmaceutical applications against vaginal herpes. Tests also suggest that propolis may significantly reduce the chance of an advanced herpes infection.¹ In addition, as suggested above, propolis may offer protection against genital Candida infections² Vaginal swelling (vaginitis). Early research suggests that applying a 5% propolis solution vaginally for 7 days can reduce symptoms and improve quality of life in people with vaginal swelling besides bee propolis is the strongest and safest antibiotic in the world.

The effect of *Trigonella foenum-graecum* (fenugreek) seed extract on sex hormones and sexual functions in healthy women who reported low sex drive was studied by Amanda Rao et al.³ The short term, double blind, placebo controlled study was conducted on 80 women, aged 20 to 49 years at a dose of 600mg/day or placebo over two menstrual cycles. There was a significant increase in free testosterone and E2 in the active group as well as sexual desire and arousal compared with the placebo group. The results indicate that this extract of *T. foenum-graecum* may be a useful treatment for increasing sexual arousal and desire in women.

Wild Oil of Oregano is an edible medicinal grade essential oil that is grown from a wild species of oregano especially in the Mediterranean. There are a multitude of conditions that Oil of Oregano treats, but the most famous use is its ability to kill infections in the body. Most organisms cannot survive when exposed to the powerful phenols (carvacrol and thymol) which are the active ingredient in this Wild Oil of Oregano. These ingredients work well on their own but have an added potency when found together in nature. The ancient Greeks were among the first to take advantage of oregano's medicinal qualities and termed the spice oregano meaning delight of the mountains.

Here is a list of the powerful actions of Oil of Oregano

- i. Potent antioxidant
- ii. Anti-venom (spiders, scorpions, bees, ants and snakes)
- iii. Anti-viral
- iv. Anti-fungal
- v. Anti-parasitic
- vi. Natural Anesthetic (pain reducer)

- vii. Mucolytic (thins mucous)
- viii. Anti-tussive (decreases cough)
- ix. Antispasmodic

The anti-inflammatory properties of oregano oil inhibit vaginosis causing bacteria.⁴ Another amazing bacterial vaginosis treatment is employing a mixture of 3 drops of oregano oil and 1 tablespoon of olive oil onto the affected area.

Arginine is an essential amino acid. (Essential means your body can not make it, and you have to obtain it from foods). L-arginine is the main source of the primary molecule nitric oxide (NO), which is responsible for sexual arousal in women. Without arginine, there is no nitric oxide and no sexual arousal. In research on women, L-arginine in supplement form has been reported to increase the intensity of sensation during sex. That is because NO stimulates blood flow to the genitals to lead up to orgasm.

Relaxation of cavernous smooth muscle in the penis requires nitric oxide synthesized by L-arginine, suggesting a role in erectile dysfunction. Studies in rats produced an erectile response and altered vascular tone,^{5,6} but in a human clinical trial, no difference was established between L-arginine 500 mg 3 times daily and placebo. A study of L-arginine in combination with pycnogenol (an extract of French maritime pine bark consisting of procyanidins, catechin and taxifolin) demonstrated improved sexual function in 80% of treated men. Further increases in pycnogenol amount achieved improvement in 92.5% of men by the end of the study. Treatment with L-arginine was associated with 5% of patients achieving a normal erection.

In this invention we used L-Arginine orotate in order to maximize bioavailability.

Tribulus terrestris has been used as a prosexual herb for thousands of years. *Tribulus terrestris* works in a special way in women. One of luteinizing hormones (LH) many functions is to command the production of testosterone. As a woman ages, follicle stimulating hormone (FSH) increases dramatically, peaking a few years after menopause and staying high for several decades thereafter. The ratio of FSH to luteinizing hormone increases, and LH does not have the same ability to increase testosterone. *Tribulus terrestris* helps to naturally boost the levels of luteinizing hormone to FSH, which then helps produce more testosterone. *Tribulus terrestris* is both a libido enhancer (and has been proven in multiple clinical trials in this regard) and has an ability to increase testosterone to normal levels.

Clinical trials using *Tribulus terrestris* were performed at the First Obstetrical and Gynecological Hospital in Sofia, Bulgaria on 150 women⁷ with abnormal ovulation associated with hormone imbalances. One group of women was given *Tribulus terrestris* with a high percentage of the active ingredient protodioscin. They also had a group of women that received estrogens and testosterone only, with no *Tribulus terrestris*.

The study resulted in a normalization of ovulation, improved fertility, a reduction in peri and postmenopausal symptoms. Most importantly *Tribulus terrestris* was found to provide better results in women in regards to increasing libido than the hormone therapy also.

Maximum bioavailability

The herbal composition if used as an oral formulation its

bioavailability will be poor compared to a topical (external) form inside vagina to give good bioavailability. It was found that this cream with its nano particle size did give maximum bioavailability effect.

Summary of the invention

The present invention relates to a topical pharmaceutical composition for treatment of erectile dysfunction in women. The composition for treating disorder, preferably formed of gel or cream, contains be propolis, fenugreek, oregano, L- Arginine orotate and *Tribulus terrestris* extracts of them.

Examples of pre-clinical results

The following results were obtained at the clinic of sexology of Dr. Steve in London:

Dr Steve Received 2 surveys to date.

Age group 26–30

Time applied 6.25 minutes before intercourse

Time stimulation started 6.25

Orgasms achieved 2

Summary: *Enhanced pleasure, more sensitivity than normal, I would like to buy some.*

Star rating 4.

Age group 52–60

Time applied 9.20 minutes before intercourse

Time stimulation started 9.25

Orgasms achieved 3

Summary: *Of late, difficult to achieve orgasms and experienced dryness, having used Happy women for the first time was totally fantastic, thought i was back in my twenties, it made me wet very quickly and I had multiple orgasms for the first time in years, excellent product.*

Star rating 5+ should get some more results soon, looks good so far.

Safety and toxicity study

Toxicity study performed on mice in the animal house showed that the composition is free of adverse effects especially on liver, kidneys, lipid and other body organs.

Conclusion

This patented botanical nano cream is expected to help millions of diabetics of both types worldwide. Double blind is still needed to give more reliable results.

Acknowledgements

None.

Conflict of interest

The author declares no conflict of interest.

References

1. Vynograd N, Vynograd I, Sosnowski Z. A comparative multi-centre study of the efficacy of propolis, acyclovir and placebo in the treatment of genital herpes (HSV). *Phytomedicine*. 2000;7(1):1–6.
2. Pereira RR, Ribeiro Godoy JS, Stivalet Svidzinski TI, et al. Preparation and characterization of mucoadhesive thermoresponsive systems containing propolis for the treatment of vulvovaginal candidiasis. *J Pharm Sci*. 2013;102(4):1222–1234.
3. Amanda Rao, Elizabeth Steels, Gavin Beccaria, et al. Influence of a Specialized *Trigonella foenum-graecum* Seed Extract (Libifem), on Testosterone, Estradiol and Sexual Function in Healthy Menstruating Women, a Randomised Placebo Controlled Study. *Phytotherapy Research*. 2015;29(8):1123–1130.
4. Ocaña-Fuentes A, Arranz-Gutiérrez E, Señorans FJ, et al. Supercritical fluid extraction of oregano (*Origanum vulgare*) essentials oils: anti-inflammatory properties based on cytokine response on THP-1 macrophages. *Food Chem Toxicol*. 2010;48(6):1568–1575.
5. Klotz T, Mathers MJ, Braun M, et al. Effectiveness of oral L-arginine in first-line treatment of erectile dysfunction in a controlled crossover study. *Urol Int*. 1999;63(4):220–223.
6. Stanislavov R, Nikolova V. Treatment of erectile dysfunction with pycnogenol and L-arginine. *J Sex Marital Ther*. 2003;29(3):207–213.
7. Tabakova P, Dimitrov M, Tashkov B. Clinical Studies on *Tribulus terrestris* Protodioscin in Women with Endocrine Infertility or Menopausal Syndrome. *Menopause-Tribulus*. 1984. p. 1–7.