



Research Article

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Solving the Problem of Treating Chronic Bacterial Prostatitis

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To Cite This Article: Sergey Roslyak. Solving the Problem of Treating Chronic Bacterial Prostatitis. *Am J Biomed Sci & Res.* 2023 19(2) AJBSR. MS.ID.002568, DOI: [10.34297/AJBSR.2023.19.002568](https://doi.org/10.34297/AJBSR.2023.19.002568)

Received: 📅 June 12, 2023; Published: 📅 June 22, 2023

Abstract

The state of the reproductive, cardiovascular, urinary, nervous and other systems in men, their quality and its sensations in assessing the life of the prostate gland, which is not in vain called the "second heart". men". Therefore, each man must decide for himself whether it is necessary for him to monitor the condition of this organ. There is no "magic" pill that solves all problems! This is not a car where you can skip a technical inspection and, in extreme cases, replace it with a new one. The basis of health is regular medical examinations by a urologist and preventive measures for men of mature and old age. But, if regular examinations were ignored and the disease was not detected in a timely manner, then this is guaranteed to lead to chronic prostatitis, and in some cases to surgical intervention. Side effects of this radical surgery-problems with potency, bleeding, urinary retention, incontinence, bleeding. Currently, the use of standard methods of treatment in urology does not always give a positive result. Therefore, chronic prostatitis has become an urgent health problem and has taken a leading place in prevalence among inflammatory diseases of the male genital area. Chronic prostatitis develops in men aged 20 to 50 years (almost every third). Since the cause of the disease is a decrease in physical activity, stress, improper sleep, periodic hypothermia, chronic infectious diseases (sinusitis, tonsillitis), injuries of prostate tissues, inflammation of the genitourinary system, with age, the negative consequences of these factors accumulate, and the risk of its development increases sharply and after 50 years it comes out on top in urological diseases. After 60 years, prostatitis occurs more often than in 36–50 years by 2.1 times! Untreated prostatitis can lead to serious consequences ranging from urinary incontinence and urination disorders to prostate cancer. In any case, this will lead to a significant decrease in life comfort and make the life of a man inferior.

Keywords: Chronic prostatitis, Rectal suppositories, Antibiotics, Live royal jelly

Introduction

The treatment of chronic prostatitis should be complex and include, if necessary, antibiotic therapy, physiotherapy, diet, anti-inflammatory therapy, herbal medicine, prostate massage, immunoreactive therapy, and so on. The main treatment belongs to antimicrobial drugs [1]. However, their effectiveness is steadily declining. The World Health Organization has named antimicrobial resistance as one of the 10 global threats to public health. Medicine tries to carry on the fight against pathogens through the further search and use of new antibacterial drugs (natural, semi-synthetic, synthetic). But at the same time, new mutant microbes are emerging that are able to withstand new generations of antibiotics. This is

also facilitated by the massive uncontrolled and improper use of antibiotics. The result is the emergence and spread of a trend of antibiotic-resistant microbes. The problems arising from the use of antibiotics should also include the non-selectivity of their action, which leads to deterioration of microflora (dysbacteriosis), adverse reactions (for example, allergies), narrow focus (that is, use only for a specific disease). A practical way out in the crisis of antibiotic therapy was the recognition by scientists of the importance of alternative methods of combating bacterial infections. To date, about 30,000 antibiotics of natural origin are known. Here are some natural substances and products containing components that determi-

ne their antibacterial, antiviral and anti-inflammatory properties: garlic, honey, ginger, echinacea, goldenseal (hydrates) Canadian, cloves, oregano. The anti-inflammatory and anti-edematous action is explained effectively by herbal medicine, which is widely used to treat chronic bacterial prostatitis. Phyto rectal suppositories, which are recommended for use in the treatment of prostatitis and hemorrhoids, should be made from natural ingredients. Such candles have anti-inflammatory, analgesic, disinfectant properties, and have a regenerating effect. These include candles containing: propolis, purge, apala (royal jelly), pollen and honey, oils pumpkin seeds, sea buckthorn, tea tree, greater celandine herb, Japanese Sophora fruits and chamomile flowers, sawtooth palm fruit extract, stinging nettle and much more. The existence of such a variety of drugs for the relief of the disease indicates the absence of absolutely effective drugs and determined the need for this study.

Living Royal Jelly is the Ideal Antibiotic

The advantage of suppositories in the treatment of urological, proctological, gynecological diseases is that they act in close proximity to the focus of the disease, and due to the dense network of blood and lymphatic vessels of the rectum, medicinal substances are well absorbed from the surface of its mucous membrane and quickly enter the blood [2]. Active substances from suppositories are absorbed much faster than when taking tablets, as they bypass the stomach and liver without being destroyed by gastric juice. The action of candles is almost the same as the action of injections, only more targeted. Besides, suppositories are convenient for patients to use on their own. We have developed and tested the design of suppositories, which ensures the "delivery" of live royal jelly directly to the prostate gland, as well as their composition. Active substances-Propolis-0.65g, 100% Native Royal Jelly-0.4g, excipient-Cocoa butter natural-2.19g, unit weight-3.24g. Propolis is a brown sticky substance used by bees to seal cracks in hives. Its most important properties: stimulation of immunobiological processes in the body, suppression of reproduction and destruction of most microorganisms. The next super effective biological stimulant and natural antibiotic is royal jelly-a special food that bees use to feed the queen larvae and which the queen bee feeds on throughout her life. Royal jelly has an immunomodulatory and antitumor effect, increasing the body's resistance to viral and bacterial infections. Cocoa butter was used as the fat base of the suppositories, which is a mixture of diglycerides and triglycerides mixed with fatty acids (oleic stearic, lauric, palmitic and linoleic acids). The use of cocoa butter as a fatty base ensures active absorption of the biologically active substances that make up the suppository by the mucosa. It also has anti-inflammatory and regenerating effects. An important feature of cocoa butter is its optimal melting point, which is close to natural body temperature.

Results

Suppositories were tested in 2018-2023 in the treatment of chronic bacterial prostatitis and concomitant reductions in sexual

potency in men who underwent standard therapy and did not receive the expected result [3,4]. It has been established that the use of suppositories with live royal jelly improves blood microcirculation in the prostate and surrounding tissues, relieves pain and pulling sensations in the groin, dissolves fibrosis that was in the prostate, reduces swelling and inflammation, has a complex immunomodulatory and immunostimulant effect, promotes recovery functional activity of the prostate, a decrease in its volume, improves the quality-of-life patients. Their use in chronic prostatitis gives a quick relief of pain, pain disappears after 2-3 procedures (the most delayed positive reaction was observed in 1 patient-after 14 procedures). 81 years old, verbal informed consent was obtained) were completely cured with the restoration of libido in 38 patients, 5 patients, after a significant improvement in physical and emotional state, interrupted the course of treatment and further prevention. A five-year experience of testing the treatment and prevention of chronic bacterial prostatitis showed that in no case should refuse preventive measures after the onset of relief. The initial success must be consolidated and continued [5]. The following route of administration and dosage is suggested. Rectally (on an empty intestine) a suppository with royal jelly is administered in the morning for 5 days, over the next 20 days-1 suppository with milk in the morning, at night, before going to bed-1 suppository without milk (its composition is 20% propolis and 80% cocoa oils); the next five days-1 suppository without milk for the night. Provided that if you need to enter in the morning before an active day, it is advisable to lie down in a calm position for 30-40 minutes. In the first days of use, burning, itching, discomfort is possible. The monthly course of treatment with live uterine suppositories milk effectively relieves the symptoms of chronic bacterial prostatitis. However, the positive effect of therapy gradually decreased within 6 months after its termination. This data indicates the expediency of long-term use of suppositories with live royal jelly in patients of this category. To prevent the development of prostatitis and increase the period between exacerbations, it is recommended to carry out preventive procedures twice a year with suppositories with live royal jelly for 20 days in one period.

In addition, methods of using suppositories for urological, proctological and gynecological diseases, as well as their optimal dosage [6]. Suppositories with propolis and live royal jelly showed good results in the prevention and treatment of gynecological (inflammatory diseases of the female genital organs, colpitis (vaginits), leucorrhea, end cervicitis, cervical erosion, fibroids, fibromyomas), proctological (hemorrhoids, fissures and colon polyps) and other urological diseases (prostate adenoma, sexual disorders associated with diseases of the prostate gland, urethritis, urolithiasis, condition after operations on the prostate gland and bladder), after surgery and serious illnesses (strokes, heart attacks and chemotherapy), with impotence and infertility, with increased physical and mental stress. Their intake is recommended in order to stabilize blood pressure and heart function, normalize metabolism and re-

store the functioning of the reproductive and endocrine systems. A contraindication to the use of these suppositories is intolerance to bee products, as well as adrenal disease. Practice has confirmed that propolis suppositories with live royal jelly are an ideal antibacterial, multimodal drug for the treatment of chronic bacterial prostatitis, as they are weakly alkaline, fat-soluble, with a dissociation coefficient that contributes to the maximum concentration of active substances in the prostate and, unlike a number of others antibacterial drugs of different pharmacological groups, differs in the ability to overcome the impact of resistance to antibacterial drugs of biofilms in the prostate tissue. And low budget [7-11].

Conclusion

The cardinal difference between the developed suppositories is the form of milk used-for the first-time live milk was used, and not in the form of an alcohol tincture, not adsorbed (ground with an adsorbent, often glucose and fructose), not lyophilized (obtained after freeze-drying), which made it possible to increase the effectiveness of the drug in times. The use of suppositories with live royal jelly seems to be a promising direction in the treatment of patients with chronic bacterial prostatitis and other urological, proctological and gynecological diseases.

Conflict of Interest

Author Sergey Roslyak is an independent researcher, not employed by government agencies or private companies offering contract development services to the pharmaceutical industry. If you are interested in using the results of this study, I will provide all the necessary materials.

Funding

This study was funded entirely by the author.

Acknowledgments

I would like to thank my wife Svetlana for her patience, beekeeper Vladimir Malykhin for advice on harvesting royal jelly, Dr. Sergei Dakhnov for critical reading, and all the volunteers.

References

1. NA Lopatkina, OI Apolikhina, D Yu Pushkar, AA Kamalova, TS Perepanova (2014) Antimicrobial therapy and prevention of infections of the kidneys urinary tract and male genital organs. Russian National Recommendations.
2. Anashkina A (2012) Influence of inhalation of royal jelly and propolis on endogenous intoxication in experimental pulmonary edema.
3. Dorofeev SD, Kamalov AA (2003) Modern views on the problem of chronic breast cancer prostatitis.
4. Kogan MI, Ibishev Kh S, Naboka Yu L (2010) Etiological structure and antibiotic sensitivity of microorganisms isolated from chronic bacterial prostatitis. *Consilium medicum* 7: 5-7.
5. Hochreiter WW (2003) Anti-Inflammatory Therapies for Chronic Prostatitis. *Curr Opin Urol* 2: 30-33.
6. Luzzi G (1996) The prostatitis syndromes. *Int STD AIDS* 7(7): 471-478.
7. Naber KG (2003) Antimicrobial treatment of bacterial prostatitis. *Eur Urol* 2: 23-25.
8. Mazo EB R, M Khaitova, RI Ataulakhanov (2011) Popov S. V. Chronic bacterial prostatitis. *Immunotherapy: A Guide for Physicians*. Ed GEOTAR-Med S: 290-298.
9. Malykhin VE (2021) Two-semester content in the annual cycle Kharkiv.
10. Perepanova TS (2008) Modern management of patients with chronic prostatitis *Farmateka* 9: 21-26.
11. Roslyak SP (2021) Abstracts of the report-International scientific and practical conference. *Apiotherapy: scientific achievements and prospects for the development of the industry in Ukraine*.