

Our Acne Treatment: Facts & Result-Orientated Skin Care

Many acne sufferers have probably tried a number of different over the counter products, and even some prescription products with little or no success. Most prescriptive medications kill propionibacterium acnes (*P. acnes*) but approximately 30%-45% of *P. acnes* strains resist one or more kinds of antibiotics, making them useless. Over-the-counter products focus on treating the symptoms of acne rather than the cause of the acne. They provide little or no lasting benefits for true skin health.

What Causes Acne?

Testosterone targets the skin and the sebaceous glands (oil glands) where sebum (skin's natural oil) is produced. It combines with the enzyme 5alpha-reductase to produce dihydrotestosterone, which stimulates the sebaceous glands to produce more sebum. Sebum then enters the follicular tube.

P. acnes and other bacteria on the skin, and within the follicles produce enzymes that move into the follicle openings. The bacteria convert sebum into fatty acids, which irritate the lining of the follicle. This causes more cellular production, and more cellular debris, which traps the *P. acnes* inside the follicle. It breeds and causes acne infections. Infections grow and irritate and inflame the skin, and the skin becomes red, puffy and sensitive or itchy. This causes the follicle to be blocked even farther and causes more acne infections.

Our Solution.

We start with our acne facial, which includes Ultraviolet Phototherapy. Phototherapy is used to eliminate the abundance of oil on the skin. Bacteria are stored in the sebaceous glands that secrete sebum, commonly known as oil. In people, sebum is abundant on the face and scalp. Phototherapy light is used to open the pores and exfoliate the skin to allow light to penetrate below the surface of the skin. The light attacking the sebum causes a chemical reaction that is able to destroy the bacteria

Our light therapy works safely and effectively, without abrasive chemicals, harmful UV-rays or side effects, to destroy this acne-causing bacteria — not only clearing up existing blemishes, but preventing future breakouts before they happen. Starting your Acne Facial, you'll be on your way to a clearer, smoother, more radiant complexion.

Our BiON skin care acne products used in your Facials, and recommended for your homecare routine, kill *P. acnes* and a variety of other undesirable bacteria that cause acne. Antibacterial ingredients include cinnamon extract, sage extract, turmeric extract and small amounts of salicylic acid. The products keep follicles open with sage extract, green tea extract, calcium, minerals in pascalitic clay and salicylic acid. BiON acne products block bacteria-causing enzymes with cinnamon extract, zinc and green tea extract. This reduces sebum (oil) production. The products significantly reduce undesirable bacteria, and thereby reduce the production of fatty acids that block the follicle. The products also soothe the redness and irritation with extracts from green tea and turmeric. BiON acne products target all aspects of the biochemical progression that cause acne and gain control of moderate to severe acne is over 80% of cases. BiON's high success rate comes from its approach of treating the multiple causes of acne, rather than focusing on the symptoms like most over-the-counter products. The dermatologist and biochemist who develop BiON products have an understanding of the skin's biochemistry and what is involved with acne, and an understanding of the natural plant extracts that will correct or control the chemistry of the skin.



This client has a severe acne problem, both with pustules (pus filled pimples) on the surface of the skin and cystic acne (deep infections that are nodule or cyst-like). She had a poor diet, no vitamins, smoked cigarettes, and drank little to no water. I spoke to her regarding her commitment to improving her skin- without it, it would not happen. She was ready to change her lifestyle to improve her skin and quality of life.

December 31, 2017

Right Cheek



Left Cheek



Our client stopped smoking and began drinking 32- 50 oz. of water a day! We were pleased she was able to accomplish so much in a short time. The photograph's below are following two months BiON home care, series of acne facials with phototherapy (once per weeks), and acne treatments once per month for two months focused on healing. This protocol demonstrated significant improvement.



Right Cheek



Left Cheek