

A Case Report of Acne Vulgaris: Treated by Combination of Acupuncture

NM Kiron^{1*} and Tania Hoque²

¹Department of Acupuncture, Community Based Medical College Bangladesh & Hospital, Winnerpar, Mymensingh, Bangladesh

²Department of Skin and VD, Gonoshasthaya Samaj Vittik Medical College, Savar Upazila, Dhaka, Bangladesh

*Corresponding author: NM Kiron, Community Based Medical College Bangladesh & Hospital, Winnerpar, Mymensingh, Bangladesh, Tel: +8801715-660271; E-mail: nurekiron58@gmail.com

Received date: Feb 20, 2018; Accepted date: March 30, 2018; Published date: April 15, 2018

Copyright: © 2018 Kiron NM, et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Abstract

A 23 yrs old female patient came at Gonoshasthaya Somaj Vittik Medical College, Savar 1 yr back with the complains of Multiple papulo-pustular scattered lesions over face, neck and back for 5-6 yrs and was diagnosed as a known case of Acne Vulgaris 2 yrs back.

Case Presentation



Figure 1: After 10 days Treatments, after 15 days Treatment.

A 23 years of female patient came at Gonoshasthaya Somaj Vittik Medical College, Savar 1 yr back with the complains of multiple papulo-pustular scattered lesions over face, neck and back for 5-6 yrs, she was diagnosed as a known case of Acne Vulgaris 2 yrs back and treated here with anti-acne medicine for 1year.

- Past history:** She got no history of allergy, asthma.
- Personal history:** She took lots of cosmetics and herbal products for her fairness. She is married for 5 yrs and have one female healthy child of 3 yrs. She never took any contraceptive method.
- Medical history:** She took lots of antibiotics and anti-acne cream by the Dermatologist for 2 yrs.
- Family history:** There was no history of acne disease to her family members
- Menstrual history:** Regular

On local examination: She got multiple papulo-pustular lesions over face, neck and back. Under Magnifying glass there were multiple black head and white head comedons (which are the cardinal feature of acne vulgaris). There was no pain and itching sensations.

On Wood's Lamp Examination: There were multiple "Propionibacterium Acne" organism present over the acne comedons,

There were multiple hyperpigmentation after acne remission area. There were also large pores due to acne scar.

- On General examination: There was no abnormality detected.
- On Systemic examination: Her all the vital functions was normal
- On Investigation
- CBC: Normal
- Blood Sr. Testosterone: Normal
- USG of whole abdomen: Normal
- Treatment given for 1 yr
- Anti-biotics like:
 - Cap. Doxycyclin 50-100 mg (orally)
 - Cap. Tetracyclin 500 mg (orally)
 - Tab. Azythromycin 500 mg (orally)
 - Eromycine lotion (locally)
 - Clindamycine lotion (locally)

Anti-Acnelike: Adapolen cream, Benzyle Peroxidase cream, Retinoic acid cream. Patient was treated by those medicines for 1 yr. She cured within 6 months but recurrent acne developed after stopping this treatment. Then she was treated "Acupuncture Therapy"-3 days (one alternative day) in a week for one month with combination of local anti-acne medicine [1]. Photo of patients before and after treatment is shown in Figure 1.

Prognosis

After stopping of anti-acne and Acupuncture therapy for 1 month, there was no occurrence of acne recurrence. There was brightness due to disappearance of hyperpigmentation. There was improvement of acne scars also.

Discussion

Acne is an annoying and often painful problem that affects millions of people each year. The extended use of antibiotics, there some studies that indicate that acne patients can build up a tolerance to antibiotics, making them less effective. A 2011 study published in the Archives of Dermatology looked at 83 patients on Antibiotic acne medication and

found that within 2 months, the patients showed a 40% resistance to clindamycin, a 10% to tetracycline, and 44% to erythromycin.

Why acupuncture:- An alternative option?

Acupuncture has been used to treat hundreds of conditions in traditional Chinese medicine. There are numerous studies that prove that acupuncture is effective at improving acne symptoms. In a 2003 study published in inflammatory mediators, researchers looked at the anti-inflammatory properties of acupuncture.

Mechanism of action of acupuncture

Acupuncture may have anti-inflammatory effects and fight acne due to the stimulation of beta-endorphins, substance P; CGRP and cytokines. Low-dose acupuncture should be more effective, to prevent the high concentration of CGRP in the body (which can lead to inflammation). Acupuncture is believed to stimulate the nervous system and cause the release of neurochemical messenger molecules. Acupuncture reduces acne inflammation by releasing vascular and immunomodulatory factors. It enhances natural killer cell activities. It increases local microcirculation to disperse swelling. Acupuncture stimulate the lymphatic system which is essential for eliminating a variety of toxins from the body; these toxins when trapped in the body, can cause a number of physical ailments, including slow healing of wounds and scars in the formation of acne [2].

Contraindication

Only scars that are at least a month old should be treated with acupuncture, due to increased risk of infection. The elderly, diabetics,

cancer patients and tumors with neurological disorders require special care.

Limitations

Most important is financial problem, Afraid of needle, Aggravation of acne after 1 wk of acupuncture therapy, Patients were almost students, so it's difficult to come every alternate day by giving absent to the school and college.

Conclusion

We have discovered a new way how patient can finally get a clean, beautiful skin. Traditional Chinese medicine has many advantages and Acupuncture is an effective method how to get rid of acne with acne scars.

Acknowledgement

I like to thank Prof. Dr. N. M Kiron Head of the Acupuncture Department Gonoshastho Somaz Vittik Medical College for his kind support to treatment by Acupuncture of those patients and give information about "Acupuncture treatment in Acne Vulgaris".

References

1. Wikipedia (2018) Benzoyl Peroxide. The Free Encyclopedia.
2. Zouboulis CC, Eady A, Philpott M, Goldsmith LA, Orfanos C, et al. (2005) What is the pathogenesis of acne? *Exp Dermatol* 14: 143-152.