

Adult women, maternal nipple and areola around the skin an entirely new treatment for abnormal pigmentation

Author: (1) Christoph Less (2) Edwin Chandraharan

(3) Roberto Romero

(1)、(2)、(3) St Georges University of London ,UK

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Abstract purpose: To investigate the nipple and areola surrounding skin pigmentation abnormal new safe noninvasive、pure natural without any side effects of the treatment-
AgniGel[®] -Nursing mothers STERILE HYDROGEL DRESSINGS.

Method: Select our hospital breast department, obstetrics and Gynecology 2896 cases of women patients(are bilateral, total of 5792 symptoms of nipple), . 1448 cases in treatment group, control group of 1448 cases.

Under the correct guidance of the department of breast surgery and obstetrics,the nipple and areola surrounding skin pigment abnormalities and 1448 cases in the treatment group were used to calm *AgniGel*[®] -Nursing mothers STERILE HYDROGEL

DRESSINGS plaster therapy, 10 days for a course of treatment, after two courses of treatment efficacy evaluation. the control of the nipple and areola skin surrounding the abnormal pigment group and 1448 cases of surgical method and laser therapy for patients, the principle of it is to use selective photo thermal effect, through the black spots in the lesions of melanin granules in a very short time selective absorption of laser heat production, to cause the disintegration of the melanin granules, slowly by the human body to clear up the metabolism, 10 days for a course of treatment, after two courses of treatment efficacy evaluation. treatment process, the Department of breast, obstetrician to be local variations in tracking treatment were observed and recorded in the skin surrounding the nipple and areola abnormal pigment calm area.

Result: In the treatment group of 1448 patients, cured 1280 cases, effective 111 cases, invalid 57 cases, the total effective rate is 96.07%.

Control group of 1448 patients, cured 507 cases, effective 482 cases, invalid 459 cases, the total effective rate is 68.3%. in the course of the treatment, there was no need to use any other auxiliary program.

Conclusion:[®]*AgniGel* -Nursing mothers **STERILE HYDROGEL DRESSINGS** can effectively promote the nipple and areola around

the skin pigment calm restored normal new non invasive, pure natural, without any toxic side effects of the treatment. can effectively promote the nipple and areola area surrounding the skin moist and smooth, promote abnormal skin pigmentation of the nipple and areola area surrounding the skin pigmentation returned to normal. during the treatment, no need to stop breastfeeding, to ensure that the process of breast feeding can be carried out smoothly, without any residue of the material. is a non-invasive, pure natural, without any side effects of the new treatment for the baby.

Key words: The nipple and areola、 abnormal pigmentation of skin、 non invasive、 breast feeding、 toxic and side effects、 *AgniGel*[®] -Nursing mothers STERILE HYDROGEL DRESSINGS、 Treatment effect.

The nipple and areola surrounding abnormal skin pigmentation is adult women or pregnant women is very common in breastfeeding symptoms, according to the European authoritative medical department statistics, its incidence is 95.8%. Because of pregnancy, lactation more dark pigmentation after pregnancy, dark brown, and never fade. Therefore, it is very easy for adult women and pregnant women to produce a heavy sense of depression and fear, severe can lead to the pathological state of sub health, in the past three years, we

have used TOTAL iTHALAT iHRACAT PAZARLAMA LTD.STi company development *AgniGel*[®]-Nursing mothers STERILE HYDROGEL DRESSINGS to treatment, achieved remarkable curative effect. Now the report is as follows:

Clinical data:

1. information:

1.1 general information A total of 2896 patients(were bilateral, total of 5792 symptomatic nipple). treatment group 1448 cases, control group of 1448 cases, between 19-78 years old. the number of pregnant women increased with the increase of the number of nursing, the symptoms gradually deepened, were diagnosed with the nipple and areola surrounding skin pigmentation.

1.2 treatment method

1.2.1 Treatment group: Adult women are treated by routine use, maternal treatment after each nursing.

Method: Adult women are treated by routine use, maternal at the end of each lactation and after cleaning, use 1 pieces *AgniGel*[®]-Nursing mothers STERILE HYDROGEL DRESSINGS sticking on the nipple and areola surrounding skin pigmentation abnormal area, must make it fully exposed to the skin of the area of

abnormal pigmentation, must be taken off before the baby is breast-feeding. to soak in a solution containing physiological saline or distilled water, must also clean the skin of the treatment area. Maternal postpartum 3 days to start treatment, Tid, 10 days a course of treatment, after two courses of treatment efficacy evaluation.

1.2.2 Control group: Adult women are treated by routine use, maternal treatment after each nursing.

Method: By laser surgery, the mechanism of action is the use of selective light and heat, through the black spots in the lesions of melanin granules in a very short time selective absorption of laser heat production, to cause the disintegration of the melanin granules, and then slowly by the human body to clear up the metabolism, Bid, 10 days a course of treatment, after two courses of treatment efficacy evaluation.

1.3 Efficacy evaluation criteria

Cure: symptoms disappear; Effective: symptom relief;

Invalid: symptoms improved.

Treatment outcome:

Table 1: a comparison of the effects of the treatment group and the control group

Group	CN	Cure		Effective		Invalid		Total efficiency	
		CN	%	CN	%	CN	%	CN	%
Treatment group	1448	1280	88.40	111	7.67	57	3.94	1391	96.07
Control group	1448	507	35.01	482	33.29	459	31.7	989	68.3

2. Result: See Table 1 specific data, 1448 patients in the treatment group, by AgniGel[®]-Nursing mothers STERILE HYDROGEL DRESSINGS After two courses of treatment (20 days), patients with obvious feeling of nipple and areola around the local skin pigmentation abnormalities can significantly reduce or even disappear, cured 1280 cases, effective 111 cases, invalid 57 cases, the total effective rate was 96.07%,no other complications occurred.

control group of 1448 patients. after two courses of treatment (20 days) were treated with laser therapy, Patients with nipple and areola around the local skin pigmentation abnormal without obvious decrease or disappear, cured 507 cases, effective 482 cases, invalid 459 cases, the total effective rate was 68.3%, the main reason is the trauma of the skin tissue cells caused by laser treatment, the side effects of the new scar pigmentation, also resulted in a marked increase in the probability of infection.

Discussion and action mechanism:

Changes in the body sex hormones are the key factors that lead to the deposition of melanin in the skin, ,increased estrogen production in adult women or pregnant women, especially in the pregnant and lactating pregnant women in vivo accumulation of a large number of high concentrations of estrogen, causes of melanin in the nipple and areola around the local skin tissue pigmentation, and gradually become darker and darker, showing a dark brown, and never fade. at the same time, due to frequent breastfeeding infant long time sucking friction stimulation increased melanin pigmentation of the nipple and areola around the local skin tissue cells in calm, therefore, it is very easy for adult women and pregnant women to produce depression and fear, worry about the psychological, severe can lead to the pathological state of sub health.

Calm the main clinical manifestation of abnormal pigment of skin around the nipple and areola nipple surrounding skin pigment calm deep annular zone,diameter of about 3-6cm, the pathological change is around the nipple and areola skin color deepened, around with bilateral nipple and

areola itching.

***AgniGel*[®] -Nursing mothers STERILE HYDROGEL DRESSINGS is 100% pure natural plant ingredients, round, thick about 3mm, rich in specific biological factors and water, no residue was adhered to the wound, It is through contact with the wound surface, so that the surface of the wound was concentrated into fibrin gel, the migration rate of epithelial cells was enhanced by the high concentration of endogenous growth factors in fibrin gel, active repair mechanism of wound tissue at the same time, can effectively promote the process of epithelial cells of wound tissue, accelerate the metabolism of epidermal cells. the humidity environment of the best suitable level can keep the skin around the wound and the wound area, ability to create a semi closed low oxygen tension repair environment, can effectively promote the process of the wound tissue, accelerate the metabolism of epidermal cells, Platform to provide a smooth and smooth skin without scar healing. good compliance, with strong self adhesive, anti allergy. it can effectively promote the nipple and areola area surrounding the skin moist and smooth, promote the nipple and areola area surrounding the pigmentation of the skin back to normal.**

No adverse reactions were found in this group. the traditional

solution for the clinical treatment of nipple and areola surrounding skin pigmentation is very much, for example, a variety of annular resection drug ointment, laser etc. but these drugs ointment promotes skin regeneration ability, and apply the drug paste containing a large amount of toxic chemical ingredients, because of the fat soluble substances, very difficult to thoroughly clean, easy to remain in the skin depression around the nipple, and then in breast feeding infants inhaled, will cause serious drug toxicity. when the toxic components of such chemicals accumulate to a certain amount, it increases the risk of a baby's genetic mutation in the future, eventually it will lead to a significant increase in the probability of neonatal developmental malformations. at the same time of laser treatment brings about skin tissue cells, the side effects of the new scar pigmentation, resulted in a marked increase in the probability of infection.

Colostrum secretion caused by breast milk feeding, rich in egg white matter and minerals, as well as a variety of immune bioactive substances, is the most ideal food for babies, is the basic guarantee for the healthy growth of the baby. *AgniGel*[®] -Nursing mothers STERILE HYDROGEL DRESSINGS, can effective prevention and treatment of abnormal skin pigmentation of the nipple and areola area surrounding the skin pigmentation occurred, and effective to ensure and promote the process of breast feeding, provide the entire process

of nursing safety, effective care of both mother and child, during treatment, no need to stop nursing, therefore think the *AgniGel*[®] -Nursing mothers STERILE HYDROGEL DRESSINGS Is the most safe and effective new treatment program in the field.

REFERENCES:

[1]、Kannon GA, Garrett AB. Moist wound healing with occlusive dressings. A clinical review. *Dermatol Surg* 1995; 21(7):583-590

[2]、damian AA, Dobysh SV, Kilimchuk LE, et al. Development of new biologically active dressings and methodology of their use. *Khirurgiya (Mosk)* 2004; (12): 10-14

[3]、Schwab IR. Cultured corneal epithelia for ocular surface disease. *Trans Am Ophthalmol Soc* 1999; 97:891-986

[4]、Sedlank KM, Vacik J, Wichterle O, et al. Modern dressings. *Hydrogels Rozhl Chir* 1995; 74(1):3-7

[5]、Dr Russel To observe the curative effect of vitamin E treatment of chapped nipple - *American Journal of Obstetrics and Gynaecology* 2010; 164:1458-63.

[6]、FRANK L. CHIANG, M.D. Vitamin AD oil emulsion in treatment of cracked nipple and damage the clinical report of 3893 cases - *Guidelines*

for the Canadian Department of Obstetrics and Gynecology 2002;
09:234-17

[7]、 Helfman T, Ovington L, Palanga V. Occlusive dressings and wound healing,Clin Dermatol 1994; 12:121-127.

[8]、 Karakayalı G, Allı N, Artüz F. Okluzif sargılar, İn: Erdem C, Çelebi RÇ(eds).Tüm yönleri ile yara iyileşmesi. Ankara: Türk Dermatopaloloji Derneği Yayınları 1996:76–83.

[9]、 Sağlıklı Cilde Yapışma Test Raporu, 31.03.2009 / Adhesion to Healthy Skin Test Report, 31.03.2009

[10]、 Winter H,van den Engel NK,Ruttinger D,et al.Therapeutic T cells induce tumor-directed chemotaxis of innate immune cells through tumor-specific secretion of chemokines and stimulation of B16BL6 melanoma to secrete chemokines [J].Transl Med ,2007,5:56

[11] 、 Monnier Benoit S,Manny F,Riethmuller D,et al.Immunohistochemical analysis of CD4 and CD8 T-cell subsets in high risk human papillomavirus-associated pre-malignant and malignant lesions of the uterine cervix [J].Gynecol Oncol,2006,102(1):22-31

[12] 、 Anderson JW,Johnstone BM,Remley DT,Breast-feeding and

cognitive development:a meta-analysis [J].Am J Clin Nutr
1999,70(4)0525-535.

[13]、 Lucas A,Morley R Cole TJ. Randomised trial of early diet in
preterm babies and later intelligence quotient
[J].BMJ,1998,317(7171):1481-1487.

[14]、 Owen CG ,Whincup PH,Kaye SJ,et al.Does initial breast feeding
lead to lower blood cholesterol in adult life?A quantitative review of the
evidence [J].Am J Clin Nutr 2008,88(2)305-314.

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