

Bentonite-Coated Pillows for Anti-Aging

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Abstract

Preventing moisture loss and sleep lines are critical for skin rejuvenation during sleep. We were studied in determining whether Bentonite- coated pillows with rough surface could serve as a potential therapeutic or prophylactic treatment approach for facial wrinkles. We designed a study to assess differences in facial skin pH, pO₂, sebum, hydration, electricity and temperature parameters in 20 female patients with sleeping Bentonite-coated pillow at 0., 7., 14. and 30. days. All measurements were performed in the same air conditioned room at room temperature and at comparable external relative humidity.

Keywords: Bentonite; Pillow; Antiaging; Cutaneous

1. Introduction

According to Lambros, preventing moisture loss and sleep lines are critical for skin rejuvenation during sleep [1-4]. Bentonite is an absorbent aluminium phyllosilicate clay consisting mostly of montmorillonite [5]. We were studied in determining whether Bentonite- coated pillows (FIG. 1) with rough surface could serve as a potential therapeutic or prophylactic treatment approach for facial wrinkles and cutaneous aging. We designed a study to assess differences in facial skin pH, pO₂, sebum, hydration, electricity and temperature parameters in 20 female patients with sleeping Bentonite-coated pillow at 0., 7., 14. and 30. days. All measurements were performed in the same air conditioned room at room temperature and at comparable external relative humidity.



FIG 1. Bentonite-Coated Pillow with Rough Surface

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1. Material and Methods

According to Anson and Kotlus, it is the sleep lines which result that form one part of the causative factors in the sleep line dynamics including pressure of the head and water loss from the skin [2,3]. Facial pO₂ levels were increased in the all Bentonite-coated pillow treatment group (p<0.05) 2 weeks and at the end of treatment. Facial electricity levels were decreased in the all Bentonite-coated pillow group treatment group (p<0.05). The results from the pH-, moisture, oil, and temperature measurements show that no significant changes. Our study clearly demonstrates that Bentonite-coated pillows with rough surface can be substituted by expensive plastic surgery procedures and painful injections for facial antiaging. We conclude that Bentonite-coated pillows and rough surfaces might support transcutaneous pO₂ saturation with normalising skin electricity.

2. Discussion

This study clearly demonstrates that Bentonite-coated pillows with rough surface can be substituted by expensive plastic surgery procedures and painful injections for facial antiaging. We indicate that Bentonite-coated pillows and rough surfaces might support sleep quality and transepidermal oxygenisation with increasing pO₂ and decreasing skin electricity.

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