



Low Level Laser Therapy & Skin Care, Collagen and Elastic Fibers testimonials followed by clinical research

Skin care

Kaye Moore ManagementDesert Longevity

From January 2006 through April 2006, under the direction of Laser Light Institute, I used the Q1000 laser and the 660 enhancer on specific areas and acupressure points for approximately 20 minutes, twice a week. I began this cosmetic protocol, in addition to my skin care regiment, because it was obvious to me that my skin was losing elasticity and tone, fine lines and wrinkles were becoming more evident. After beginning the laser protocol, my skin tone improved immediately and it visibly ‘tightened’, elasticity was markedly enhanced. My fine lines and wrinkles began to disappear. Now, my skin appears more ‘plump’, pore size is refined, age spot discolorations have cleared by more than 50%, a scar near my eyebrow is gone and I have lost



my ‘jowls’. I am now using the Q10 laser for approximately 20 minutes, twice a day and I continue to see improvements in my skin tone, elasticity and texture. This is an exciting time for me. A patient I had not seen in 6 months walked into the holistic clinic I manage, greeting me with a huge smile and hug. She

immediately asked me when and where I had had my face lift surgery performed because I looked so youthful and vibrant!

Photomedicine and Laser Surgery

Effect of Low-Level Laser Therapy on Inflammatory Reactions during Wound Healing: Comparison with Meloxicam

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Objective: This study evaluated the action of low-level laser therapy (LLLТ) on the modulation of inflammatory reactions during wound healing in comparison with meloxicam. *Background Data:* LLLТ has been recommended for the postoperative period because of its ability to speed healing of wounds. However, data in the literature are in disagreement about its anti-inflammatory action. *Methods:* Standardized circular wounds were made on the backs of 64 Wistar rats. The animals were divided into four groups according to the selected postoperative therapy: group A—control; group B—

administration of meloxicam; and groups C and D—irradiation with red ($\lambda = 685 \text{ nm}$) and infrared ($\lambda = 830 \text{ nm}$) laser energy, respectively. The animals were killed at 12, 36, and 72 h and 7 days after the procedure. *Results:* Microscopic analysis revealed significant vascular activation of irradiated sites in the first 36 h. Only group B showed decreases in the intensity of polymorphonuclear infiltrates and edema. Group D showed a higher degree of organization and maturation of collagen fibers than the other groups at 72 h. The animals in group C showed the best healing pattern at 7 days. The anti-inflammatory action of meloxicam was confirmed by the results obtained in this research. The quantification of interleukin- 1β (IL- 1β) mRNA by real-time polymerase chain reaction (PCR) did not show any reduction in the inflammatory process in the irradiated groups when compared to the other groups. *Conclusions:* LLLT improves the quality of histologic repair and is useful during wound healing. However, with the methods used in this study the laser energy did not minimize tissue inflammatory reactions.

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