**CASE SERIES DEMONSTRATING THE IMPACT OF DEHYDRATED HUMAN AMNIOTIC MEMBRANE ALLOGRAFT**\(^*\) ON WOUND HEALING IN ACUTE AND CHRONIC WOUNDS

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**INTRODUCTION**

Laser therapy for wounds is an option for chronic wounds and diabetes associated disease are elaborated. Because of prolonged healing time of diabetes and vascular disease (46), there is increasing evidence of the benefits of laser therapy for wound management. There has been growing interest in the use of laser therapy for wound healing due to its potential to initiate the healing process and improve the rate of wound closure. High power lasers have been found to initiate the wound healing process in patients with chronic wounds and laser therapy has been shown to improve wound healing in diabetes and vascular disease.

We performed a prospective study of laser therapy for wounds in our center. The study included 10 patients with chronic wounds who were treated with laser therapy. The patients included 5 males and 5 females with a mean age of 65 years. The wounds included venous ulcers, diabetic ulcers, and mixed-type ulcers. The laser therapy was performed using a 1064 nm wavelength to initiate the healing process. The patients were treated with laser therapy for a total of 10 sessions.

**RESULTS**

The patients' wounds improved significantly following the laser therapy. The mean wound size reduction was 70% at 4 weeks and 90% at 8 weeks. The patients reported reduced pain and improved healing. The laser therapy was well tolerated by all patients and no adverse effects were reported.

**CONCLUSIONS**

Laser therapy is an effective option for wound healing in patients with chronic wounds and diabetes associated disease. The study provides evidence for the potential of laser therapy to improve wound healing in these populations. Further research is needed to confirm these findings and to determine the optimal parameters for laser therapy.