



WOUND HEALING

USE OF PLATELET RICH PLASMA (PRP) IN THE ADJUVANT TREATMENT OF ULCERS, EXPERIENCE OF THE DERMATOLOGY'S DEPARTMENT IN THE HOSPITAL IBN ROCHD IN CASABLANCA

R Razanapinaritra⁽¹⁾ - Fz Elfetoiki⁽¹⁾ - K Baline⁽¹⁾ - F Hali⁽¹⁾ - S Chiheb⁽¹⁾

University Hassan li/university Hospital, Department Of Dermatology And Venereology, Casablanca, Morocco⁽¹⁾

Introduction: The ulcers can be caused by several etiologies, and need a long and expensive care for the patient and the society. We conducted a study on the PRP's use as a gel in the adjuvant treatment of chronic non-healing ulcers.

Objective: to provide positive arguments for the use of platelet rich plasma (PRP) in the adjuvant treatment of ulcers, various etiologies, injection and / or gel application.

Materials and methods: a prospective study, carried out in our department, during a year. The patients were recruited in hospital. Included were: patients over 18 years of age, with ulcers localized in the limbs, and no infection. Excluded were: pregnant and lactating women, immunocompromised persons, or those treated for neoplasia. The venous whole blood of the patient was centrifuged with defined parameters and then prepared in solution of PRP and in gel.

Results: We collected 34 patients, with male predominance (sex ratio of 1.4). The average age was 51.8. The average number of sessions per month was 2.2. The etiologies of the ulcers varied with a predominance of venous ulcers in 38.2% and diabetic foot ulcer in 14.7%. After four weeks of follow-up, 73.5% of cases had noticed a decrease in the area of the lesions. We noticed a decrease in pain in 57.1% of cases. Complete cicatrization was found in 55.8%.

Conclusion: PRP stimulates cellular chemotaxis, also angiogenesis and playing a modulator of inflammation, shortened the healing process. The PRP would be useful in the treatment of ulcers of frequent etiologies. It is necessary to serve for the rarer and difficult to manage etiologies such as ulcers in the deficiency in prolidase or the digital necroses. PRP is only adjuvant treatment. Ensure a balance of all the patient's history is mandatory, to avoid recurrence and the inefficiency of this process.

