

AUTOLOGOUS PLATELET RICH PLASMA AND DIABETIC DISEASES (ULCERS, CHRONIC WOUNDS, NECROSIS)

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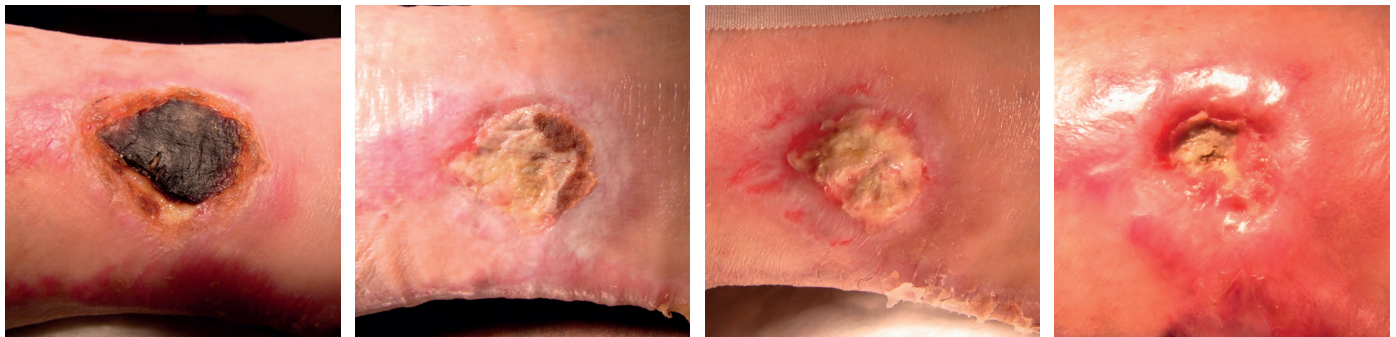
The method of A-PRP treatment allows a faster healing process with better control. Indeed, platelets release growth factors that initiate the inflammatory phase and proceed to healing. They stimulate the surrounding tissue and angiogenesis for a faster healing.

The diabetic wound is poorly vascularized and shows a reduced activity. The treatment with A-PRP is fully justified by the boost of growth factors that stimulate the dormant tissue.

Treatment: Patient was treated once at the beginning of treatment with 5 ml of A-PRP prepared from RegenKit-BCT-1. A-PRP was injected by infiltration in and all around the wound. Local area of wound was not anesthetized to avoid skin's pH modification, which may influence A-PRP action. Injection was made with a thin 30G syringe and pain during injection was slight.

Therefore, wound was first covered with Flammazine cream and then with occlusive dressing. Dressing was changed every 3 days. Wound was smoothly cleaned and Flammazine treatment was repeated.

Patient: 86 years old, suffering from insulin-dependent diabetes. Necrotic wound appeared after a long period of compression during general anesthesia. Patient was disabled to walk following necrosis apparition.



DAY 0

DAY 4

DAY 27

DAY 87

Result: Patient recovered mobility within one week after A-PRP injection. Signs of re-epithelialization buds were visible at the edge of the wound from day 4 after A-PRP treatment. At day 87 half size is epithelialized and wound evolves positively knowing that chronic wounds heal between 8 and 12 months or never close.

Conclusion: Decubitus ulcers generally slowly evolve or become toneless. The autologous platelet rich plasma prepared with RegenKit-BCT-1, is a simple and rapid solution that brings the appropriate growth factors to stimulate dormant tissues for a faster chronic wound healing. Invalid patient suffering from chronic wounds are time and health care consuming, leading to expensive hospital cost. Therefore, A-PRP is the suitable treatment for faster wound healing and faster patient recovery with less side effects of decubitus ulcers.

RegenKit®-BCT-1

