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## The use of autologous platelet-rich plasma in the treatment of intractable skin ulcer: A case series

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### ABSTRACT

Platelet rich plasma (PRP) contains a high concentration of thrombocytes and the a granules of platelets contain platelet released growth factors. The usefulness of PRP for regeneration of bone and soft tissues has been reported previously. We firstly reported the efficacy of PRP prepared using the Magellan Autologous Platelet Separator System for intractable skin ulcers such as diabetic and venous ulcers. The system consists of a microprocessor controlled centrifuge, syringe pumps, and necessary single use processing components. No complications occurred in any patients and the wounds achieved complete epithelialization. Our results have shown the efficiency of platelet rich plasma for the treatment of intractable skin ulcers.

### KEYWORDS

Platelet Rich Plasma; Chronic Wound; Wound Healing

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