

Autologous Component in Chronic Wound Healing; from Hospital and/or Office to Home

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ABSTRACT

The human body is capable of impressive acts of self-wound healing. It uses four major components including: 1- Fibrin compact matrix as natural efficient scaffold for expansion of new generating tissue, 2- The platelet as main growth factors source, 3- leukocyte as direct defense cells and promote of efficient inflammation and 4- Albumin and other plasma protein and elements. All of these components exist in L-PRF (leukocyte and platelet rich fibrin), that is obtained from autologous plasma. Simple, cheap and fast preparation in home and office with high quantities of leukocytes and platelets and high concentration of essential growth factors that are trapped in fibrin matrix will be the best selection for acute and chronic wound healing.