

Biochemical and Histological Researches Regarding the Use of New Therapeutic Methods in Some Oral and Facial Pathologies

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Abstract

At the basis of the use of the own platelet plasma is the discovery that platelets contain protein factors (PRP FACTORS) that initiate the processes of cellular regeneration.

Tissue regeneration with the help of growth factors is a revolutionary method in all medical fields.

Keywords: PRP ,growth factors,platelet plasma, tissue regeneration, autologous plasma.

Introduction

The first notifications about the injection of own blood in the treatment of wounds were made in 1876 (Schede, Germany).

The founders of the method of injecting own blood into the body are considered Graffstrom and Elfstrom.

In 1898, in the United States, they used autologous blood injections in saline solutions for the first time in the world to treat pneumonia and tuberculosis.

In 1905 August Bier, a German surgeon, used infiltration injections with autologous blood to stimulate the healing of fractured bones. The most important observation of the German surgeon was that the cure rate of the different pathologies increased by 30% compared to the treatments performed conventionally. The same doctor made injections into the thighs with autologous blood to stimulate immunity.

In 1934 Russian surgeon V.F VOINO YASENETSKY publishes the paper: "ESSAY ON SEPTIC SURGERY" in which he describes the methods of autohemotherapy in the form of blood infiltration in the foci of inflammatory processes of soft tissues.