

# 24<sup>TH</sup> AMERICAN DENTAL RESEARCH & FUTURE DENTISTRY

3<sup>rd</sup> Annual Meeting on

## & PEDODONTICS AND GERIATRIC DENTISTRY

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### I-PRF and A-PRF as a biological method of treatment and regeneration in dentistry and cosmetology

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**I**-PRF – Injectable Plasma Rich Fibrin. It's a modern and unique technology of regeneration of human tissues. This technology lies in injections of patient's autologous plasma rich fibrin in damaged areas of soft tissue, mucous membrane or skin. Blood is collected into empty glass tubes, centrifuge, where blood divided on two fractions: 1. Plasma rich fibrin, also contain leukocytes, platelets and growth factors. 2. Red blood cells After collecting plasma in syringe inject in damaged areas or work with Derma Pen which helps plasma penetrate deep into skin layers. Then begins the process of release of growth factors as a: VGF, EGF, BDGF, PDGF, TGF, IGF. A-PRF – Advanced plasma rich fibrin. A platelet concentrate after centrifugation, made a membrane rich on growth factors, platelets and leukocytes which has a great regenerative ability. Use in tooth extractions, implantology, sinus-lift... Growth factors work on creating a new blood vessels, new fibrin matrix, new cells and new tissue more than 14 days due to slow release of growth factors.

#### Biography

Alina Tykhomyrova finished a National Medical University of Bogomolets. Finished Ukrainian Military Academy. She is currently serving as a general dentist at Slavna Medical Clinic in Ukraine since 2015. She is also a specialist of Hydra Facial and IPRF technology.

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