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Noavarán Salamát Arzhang (knowledge Base Iranian Company)

Noavarán Salamát Arzhang knowledge Base Company (Iran –Tehran)

Noavarán Salamát Arzhang (N.S.A) company's history:

This knowledge base company was established in 2007 and started its activity to manufacturing Kits in fields of Wound Healing, Orthopaedic(Pain), Cosmetics and generally Regenerative Medicine by using stem cell and platelets from blood components (PRP, Plasma Gel & Autokine). Noavarán Salamát Arzhang is an only innovative company in Iran for producing Standard Kits (four types kits of PRP, Bio Plasma Gel & Autokine) that is under administration of AABB & FDA approval and Iran Ministry of Health. The N.A.S is the only one company in Iran that could manufacture closed system blood bag for preparation allogeneic platelet gel as well as this company abled producing Autokine kit after Germany & USA in field of anti-inflammatory and reduction pain.



Noavaran Salamat Arzhang (knowledge Base Iranian Company)

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Message from the CEO

Since 2009, Noavarán Salamat Arzhang Iranian Knowledge Base Company has been committed to the development of unique expertise in the design and manufacturing of high-quality medical kits and devices, intended for the preparation of cellular therapies, autologous such as platelet-rich plasma (PRP) & Autokine from the patient's own blood and allogenic Cord Blood Platelet. These technologies have used in Iran since 2010 with a focus on product quality, patient safety, and preparation efficiency. Our patient-centered technology has led to a lot of treatments provided in Iran & other countries using Noavarán Salamat Arzhang 's kit products. As we look to the future, we are committed to guiding new standards for emerging categories within the field of regenerative medicine. Patient and user safety is our first priority. All our products are made according to (GMP) standards. The simplicity of the closed system technology eliminates the need to transfer the cellular product from material to material, removing the risk of environmental contamination. Every day, our scientific, technical or commercial teams are there to listen and to answer to all your requests. Our capacity to listen, to be available, and to be present in the field, coupled with our ability to respond quickly allow us to expand with ease into an international group.





All kits manufacturing of this company for using Autologous & Allogeneic products are based on platelets and interleukin-1 receptor antagonist activities which **Platelet** is a great source of **Growth Factors** such as Vascular Endothelial Growth Factor (**VEGF**), Basic Fibroblast Growth factor (**bFGF**), Transforming Growth Factor (**TGF**), and Platelet-Derived Growth Factor (**PDGF**), all of which play an important role in wound healing, tissue regeneration and generally in fields of regenerative medicine and **interleukin-1 receptor antagonist** caused by **Cytokines** use for the treatment of patients with orthopaedic diseases. A method based on exposure of blood leukocytes to pyrogen- free surfaces (e.g. glass spheres) elicits an accumulation of anti-inflammatory cytokines, including interleukin-1 receptor antagonist, and several growth factors.

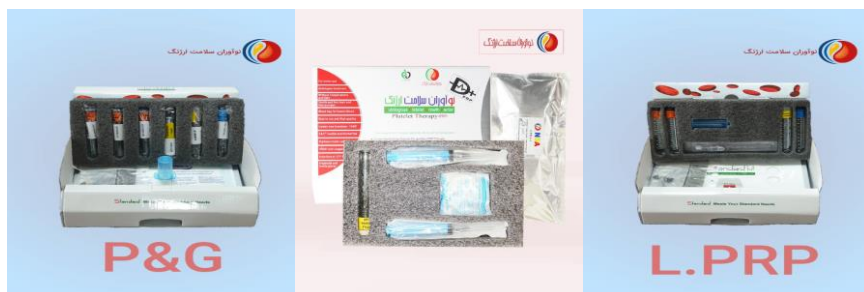
N.S. A PRP Kits & Regenerative Medicine

- Wound Healing (Tissue Regeneration) P&G Kit (Autologous Platelet Rich –Plasma
- Orthopaedic (Reduction of pain & Inflammatory and Joint Regenerate)
- IVF (Promotes Endometrial Growth)
- O-Shot (Treatment for urinary incontinence, decreased sex drive, and improved sexual function)

A

B

C



- (A) P&G Kit (Autologous Platelet Rich –Plasma for Wound Healing)
(B) O-PRP Kit (Autologous Platelet Rich –Plasma for Orthopaedic)
(C) L.PRP Kit (for IVF & O-Shot)

N.S. A (PRP - PRF) Kits & Dentistry (dental and oral surgical)

- Tooth extractions,
- Periodontal surgery,
- Implant surgery,
- Management of bisphosphonate-related osteonecrosis of the jaw (**BRONJ**) with the aim of enhancing wound healing and bone maturation.



(A) PRF-Box (Using for Fibrin –Membrane)

(B) I-PRF Kit (for preparation Sticky Bone)

(C) A-PRF Kit (for preparation autologous Platelet Rich- Fibrin)

N.S. A PRP Kits & Cosmetics

- Hair Regrowth
- Skin Rejuvenation
- Bio Plasma Filler
 - Filling of all kinds of wrinkles
 - Loss of facial volume
 - Post acne scars
 - Atrophic scars
 - Change (modulation) of facial contours
 - Improve lip contour and volume
 - volume of soft tissue in all areas of the skin
 - Also recommended for patients with an allergic reaction to hyaluronic acid

(A) N.PRP Kit (Autologous Platelet Rich –Plasma for Orthopaedic for Hair & Cosmetics)

(B) PLG Kit (Autologous Plasma for Preparation Bio Plasma Filler)

A





New Products By N.S.A Company

1- Cord Blood Kit

(Collecting CB for Preparation Allogenic Wound Dressing)

2- Autokine Kit

(Autologous Conditioned Serum for Reduction Pain & Anti-Inflammatory through Interleukin-1-receptor antagonist (IL-1Ra) in joint and tissue damaged)

Manufacturing Devices & Accessories By N.S.A Company



(A), (B) Centrifuge (for Tubes & Small Blood Bags)

(C) Bio Plasma Filler Maker

(D) Mechanical Extractor (Separating Plasma from Red Cells)

(E) Blood Washing Set

(F) Blood Letting



Publications

PRP Platelets Rich Plasma is the book that describes the use of patient's own blood in the process of regeneration and healing. It describes the basic anatomy and physiology of platelets, its clinical application and its role in the new speciality of Regenerative Medicine. The book is a source of information for everyone who struggles with rehabilitation from physical injury and is considering nonsurgical alternatives to surgical intervention. The author is an expert in the field of regenerative medicine modalities and proponent of conservative nonsurgical therapies for as long as possible in order to avoid surgical intervention. The book contains a practical section with multiple photographs that can be helpful for both patients and practitioners to understand and learn about the process of the application of PRP therapies. The chapter Clinical Studies describes the scientific basis and multiple studies supporting the use of PRP.



Articles which are mentioned the N.A.S company kits

***Autologous Platelet-Released Growth Factor and Sexual Dysfunction Amendment: A Pilot Clinical Trial of Successful Improvement Sexual Dysfunction after Pelvic Irradiation (material methods & acknowledgements)**

*** Efficacy of Allogeneic Cord Blood Platelet Gel on Wounds of Dystrophic Epidermolysis Bullosa Patients after Pseudosyndactyly Surgery**



Noavaran Salamet Arzhang (knowledge Base Iranian Company)

Certificates & Patents of N.A.S Company:

