Outline & Course Description: PRF Techniques

Hands-On Training in Medical and Aesthetic Application
PRF (Stem Cell) Techniques

PRF treatment can be the ideal complement to other aesthetic injectable procedures, including Botulinum Toxin-A and dermal fillers.
During a PRF procedure, the patient's blood is separated via a variety of techniques, which extract a concentration of autologous platelets. When activated, these platelets release adhesive glycoproteins as well as growth factors, which form a fibrin mesh beneath the tissue.
The growth factors that are released when the concentrated autologous platelets are activated in the soft tissue include:

- Connective tissue growth factor
- Transforming growth factor beta (TGF-β)
- Insulin-like growth factor – I & II (ILGF)
- Epidermal growth factor (EGF)
- Interleukin-8
- Vascular endothelial growth factor (VEGF)
- Keratinocyte growth factor
- Fibroblast growth factor

When these growth factors and proteins bind with the cellular receptors of skin tissue at the injection point, they trigger a variety of intercellular events that help mediate:

- Production of extracellular matrix proteins
- Migration of stem cells to injection area
- Angiogenesis
- New cell proliferation

This growth, as well as tissue repair, will continue up to five weeks after the patient receives injections. This results in the promotion of local tissue growth and permanent repair of damaged tissue.
This comprehensive course will cover the component factors of platelet-rich

plasma as well as the two FDA-approved PRF preparation processes and re-injection techniques and protocols.

Clinically, PRP has been used by oral surgeons, orthopedic surgeons, and plastic surgeons for over 15 years. Platelet-rich plasma procedures have also received considerable attention in the popular media because of their use in treating sports injuries in professional athletes.

Advanced Dental Institute has included this PRF Training into it's Therapeutic & Aesthetic Botox-Dermal Fillers-TMJ course. This training will provide hands-on training through live demonstrations on patients for aesthetic uses. 28 ceu

Thoroughly understand and become proficient in the following areas:

1. Learn about the specific types of wrinkles, tissue damage, aesthetic enhancements, and pain areas that can be improved using available PRP technology and appropriate injection techniques.
2. Understand the various FDA-approved protocols associated with PRF therapy, including recommended indications, dosing, areas for treatment, in combination with other tissue augmentation therapies.
3. Acquire the technical skill to perform the various types of injections for the face, neck, décolleté, and hands.
4. Understand treatment pros and cons and learn when to use PRF therapy with your patients.