

Peer Review

Review of: "Evaluation of Ozonized Fibrin-Rich Plasma as a Therapy for Facial Rejuvenation: A Clinical Case Study"

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This is a very interesting manuscript. Platelet Rich Plasma (PRP) is used for skin rejuvenation and has proven to be extremely effective. The I-PRF used in this study likely exhibits similar effects to PRP. This investigation has examined the effects of combining PRP with ozone.

However, it appears that I-PRF was not directly ozonated; rather, ozone water was mixed with PRF. This point requires caution.

The major problem with this investigation is that the effectiveness of the ozone/I-PRF combination therapy was not compared with PRF alone or ozone therapy. Therefore, the advanced nature of this manuscript cannot be fully evaluated.

In platelet therapy, platelets do not directly affect the skin. Rather, skin component cells are stimulated by various growth factors (cytokines) contained in platelets, which promote collagen synthesis, cytokine production, and the proliferation of skin component cells themselves. The reviewer thinks this point is lacking in discussion and explanation.

Based on this, the authors should consider the functionality of ozone and speculate on the potential of ozone/I-PRF combination therapy.

Minor problems

1. It is not clear how much I-PRF was produced from 10 mL of blood. The reviewer thinks that around 4 mL was probably produced.

2. The proportion of I-PRF administered to the face is not stated. Were the administration site and amount varied based on the patient's complaints? Was a fixed proportion administered?
3. It appears that the doctor is assessing effectiveness after 60 days. Patient satisfaction is likely the most important factor in aesthetic medicine, yet patient evaluations are not included.
4. In the session of "Obtaining ozonized I-PRF," the authors have written "The previously centrifuged plasma was then collected using a 10 ml syringe with a 0.30 x 0.70 mm needle." Correctly, it is not called plasma but serum containing fibrin.

Declarations

Potential competing interests: No potential competing interests to declare.