



Alopecia Treated with Just 3 Sessions of PRP Mixed with Calcium Chloride

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Abstract

The reasons of Alopecia (Male baldness) may be testosterone variability, stress, inflammation, hypothyroidism. We are presenting a case of a patient of Alopecia treated with PRP with calcium chloride after screening above illnesses.

Keywords: Alopecia; Platelet-Rich Plasma; Calcium Chloride

Objective of the Study

To check the efficacy of PRP preparation by cold method using injection calcium chloride.

Methodology

Prepare PRP solution and mix calcium chloride solution 10% w/v in this, keeping PRP to calcium chloride solution ratio is 1 ml CaCl₂ with 9 ml of PRP. We have to make sure that prepared PRP should be injected with in 7 minutes otherwise it will convert in to gel.

Scalp should be properly iced before applying solution and PRP should be injected by insulin syringe near the hair follicle with all aseptic precautions.

PRP should be prepared in two stages:

- First round of PRP is given at 15000 rpm.
- Second round of PRP is given at 3000 rpm.

Prerequisite

Scalp should be clean and dandruff free.

Platelets concentration should be more than 50 lacs per cubic mm.

After session patient should be on (linezolid) Antibiotic for 5 days.

Result

PRP procedure has shown promising results, hair regrowth with increased thickness and even quality of existing hair have improved and is clearly visible. Minimum 3 sessions of PRP required for hair regrowth.

Procedure protocol

There should be interval of 45 days in first two sessions and third session can be given after 90 days.



Figure 1: Pre-PRP.



Figure 1: Post-PRP.

Conclusion

Our findings suggest a promising hair re-growth and increased hair diameter after 3 sessions of PRP. Please find enclosed before and after session photographs of patients [1-12].

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