

Laser Assisted Gingival Depigmentation with Adjunctive Application of PRF Membrane and Hyaluronic Acid

A patient named Nagasai, 24 y/o, reported to the Department of Periodontology, Meghna Institute of Dental Sciences with chief complaint of dark gums in the upper front tooth region.

TREATMENT DONE: Laser assisted Gingival depigmentation done with adjunctive application of PRF membrane and hyaluronic acid

Under local anesthesia, Laser assisted gingival depigmentation is done in 11,12,13,21,22,23. For the adjunctive benefits, 10ml of blood is collected from median cubital vein and centrifuged at 2700rpm for 12min and PRF membrane is prepared. The formed PRF is sutured onto the gingival surface from 21-23. On the contralateral side, Hyaluronic acid gel is applied with a clean cotton swab from 11-13. The entire depigmented area is covered with periodontal dressing.



Pre operative



Depigmentation using laser



Depigmentation done irt 13-23



PRF membrane
preparation



Adjunctive application of
PRF membrane irt 21,22,23



Hyaluronic acid gel



Adjunctive application of
Hyaluronic acid gel irt 11,12,13



Coe pack application done



BASELINE



FOLLOW UP AFTER 1 MONTH