

# **Gingival Depigmentation in Esthetic Area:** A case series



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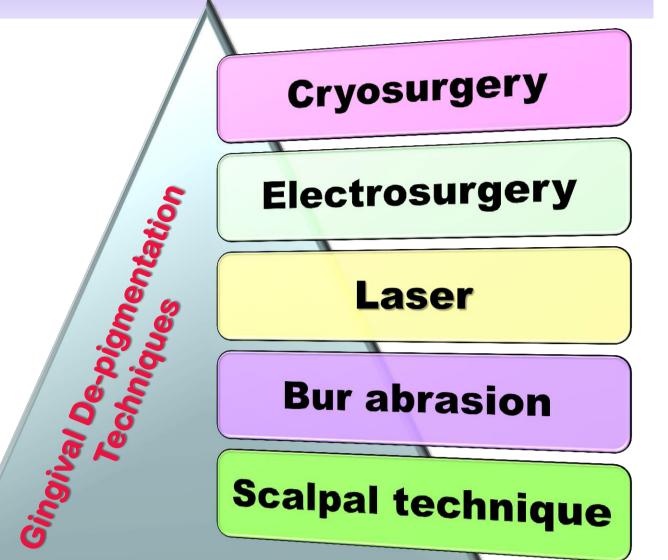
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#### Introduction

Tingival melanin hyperpigmentation is a clinical discoloration of the gingiva which is associated with local and or systemic factors including genetic, tobacco use, prolonged administration of certain drugs especially antimalarial agents and tricyclic antidepressants.<sup>1</sup> The Pigmentation is mostly located in the anterior labial gingiva, affecting females more than males.<sup>2</sup>

It can be treated by gingival depigmentation which is a periodontal procedure where the hyperpigmentation is removed by various. Systematic reviews show that cryosurgery exhibits the optimal predictability for depigmentation, followed by electrosurgery and laser techniques.<sup>3</sup>



**Scalpal technique** 

The case series presented here used bur abrasion/scraping technique for the management of gingival melanin pigmentation exclusively for the esthetic purpose. The technique is simple, versatile & cost effective and does not require sophisticated instrument or apparatus but still providing satisfactory & stable outcome after 5 years follow-up.

### **Materials & Methods**

Three cases were selected as the patients were healthy with no history of systemic diseases or smoking, and presented with a greater degree of gingival pigmentation compared to their skin colour. Based on that, a decision was taken to do an anterior depigmentation by "Surgical abrasion" using round diamond bur.

## **Case Series**

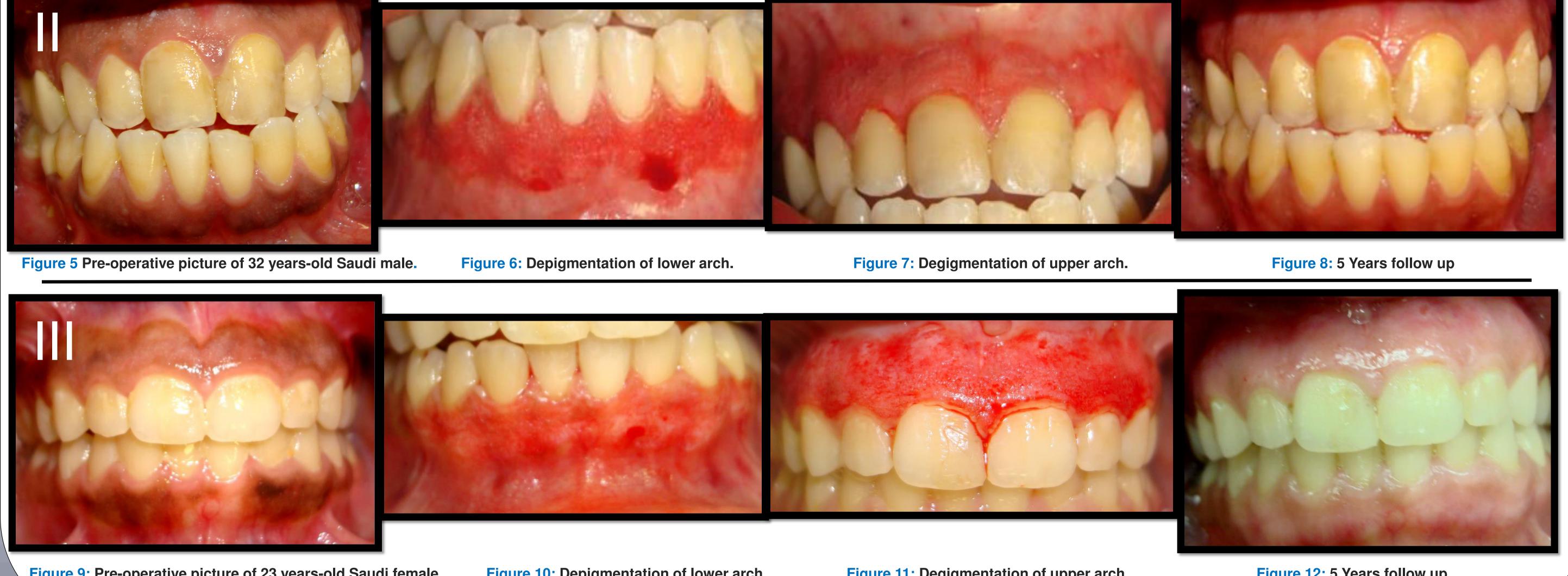


Figure 1: Pre-operative picture of 22 years-oldSaudi female.

**Figure 2:** Depigmentation of lower arch.

Figure 3: Degigmentation of upper arch.

Figure 4: 5 Years follow up



**Figure 9:** Pre-operative picture of 23 years-old Saudi female.

**Figure 10:** Depigmentation of lower arch.

Figure 11: Degigmentation of upper arch.

Figure 12: 5 Years follow up



References

Gingival depigmentation is a periodontal plastic procedure should be included in the treatment options designed to ensure more accurate esthetic outcome thereby enhancing the confidence of the patient. The bur/scraping technique provided stable clinical results with minimal postoperative discomfort.



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