



Freckle Removal and Enhanced Skin Rejuvenation by Plasmage

Rasha Al-Sadoun

Al-Fayhaa Teaching Hospital, Basrah, Iraq.

Email Address:

rasha.alsadoun@yahoo.co.uk

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Abstract

Background: Freckles are typical pigmentation disorders presenting by hyperpigmentation dark – brown or light – circular brown spots on face, especially on the cheeks. Freckles should be distinguished from lentiginous. The **objectives** of study uses Plasmage as an option to remove freckles and enhance skin texture. **Method:** Clinical trial study for 7 female patients. We have many patients with freckles treated with Plasmage, but we chose one patient for this paper. Seven females, 28 years old and married, with Fitzpatrick skin type III. She has had widespread brown spots on her face since childhood, and they are increasing over time despite regular use of sun block. Her skin has lost its shine over time. She is an engineer and works most of the time in sunny places. She is neither pregnant nor nursing. She received three sessions of Plasmage eight weeks apart. Lentigo parameter was selected. **Results:** there is significant difference between the results appear on face of patients, so the freckles become better after 6 months after Plasmage intervention than 2 months and 4 months after Plasmage intervention. However, no difference between 2 months and 4 months after Plasmage intervention. **Conclusion:** Plasmage can give promising and satisfactory results in treating benign freckles for cosmetic reason after thorough evaluation by a dermatologist.

Keywords: Freckle removal, skin rejuvenation, Plasmage

1. Introduction

Freckles are pigmentation complaints diagnosed by increase pigmentation black to brown or bright to circular brown spots located on face, particularly on the cheeks [1]. Freckles differ from lentigines, Lentigines are defined as small, brown spots, which seem on both sun unprotected and protected parts [2, 3]. Freckles can seem on entirely kinds of skin manners [2,4]. Numerous drugs excellently reduce

the presence of freckles. example of these managements include skin-lightening creams like hydroquinone, drugs having retinoid, chemical peels that are revealed to recover pigmentation abnormalities, Intense pulsed light (IPL) therapy [5] and others pigment lasers [6,7,8]. There is limited information in the literature about the incidence of freckles, but in general they are very common, and some reports in