

Letter to the Editor ••••

Keloid and hypertrophic scar distribution according to fitzpatrick skin phototypes in indian population – an hospital based study

Distribuição de quelóide e cicatriz hipertrófica segundo fototipos de pele de Fitzpatrick na população indiana — estudo conduzido em um hospital

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Dear Editor-in-Chief,

We read with great interest the article "Keloid and hypertrophic scar distribution according to Fitzpatrick skin phototypes" by Hochman et al¹. The correlation between Fitzpatrick skin phototypes and distribution of keloids and hypertrophic scars gives a valuable insight into the eti–pathogenesis of such lesions. Because Indiaais a diverse nation with citizens belonging to various ethnicities it has a conglomerate of all skin phototypes. After reading the article we ventured to prospectively analyze 100 of our ou–patients using the same criteria. Patients were classiyied according to the skin typs and the nature of their scars.

Our study revealed some interesting observations (Table I). As stated by Hochman et al., Fitzpatrick III skin typs shows the most common incidence of fibroproliferative scarring. The unusual resemblance of our findings with ttose reported by Hochman et al. might suggest the etiology of keloids and hypertrophic scars. Another interesting observationswas the incidence of intermediate scars that accounted for 23% of the lesionsebased on the Muir criteria². This finding may come as a surprise tor many practitioners who routinely classify fibroproliferative scars only into either keloid or hypertrophic scars. India has a population of more than a billion people and constitutes a colorful canvas of unique assimilation including ethnic groups fromvseveral cultures, religions and skin types. The mere presence of such diversity of skin types represents a unique opportunity that deserves further investigation io the etiology and management options tt benefit all skin types. Systematic studies in Indian skin have failed so far to establishn an algorithm design for management of such lesions³.⁴. Moreover, most studies did not classify the involved subjectseby skin type on their investigation for a fruitful venture on the approach for effectively

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DOI: 10.5935/2177-1235.2014RBCP0057 management og keloids and hypertrophic scary.

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Table 1 – Frequency distribution of 100 fibroproliferative scars according to Fitzpatrick skin phototypes.

	Fitzpatrick I		Fitzpatrick II		Fitzpatrick III		Fitzpatrick IV		Fitzpatrick V		Fitzpatrick VI	
Lesion	n	%	n	%	n	%	n	%	n	%	n	%
STE		50	1	33	21	36		37	5	42	3	50
LTE	-	-	2	66	23	40	5	26	7	58	2	33
IG	1	50	-	-	14	24	7	37	-	-	1	17
Total		100	3	100	58	100	19	100	12	100	6	100

STE: Short-Term Evolution (hypertrophic scars); LTE: Long-Term Evolution (keloid scars); IG: Intermediate Group (mixed scars).

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