DERMOSCOPIC FINDING OF PHOTOAGING IN EGYPTIAN PATIENTS

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Background: Dermoscopy is noninvasive optical surface microscopy useful for diagnosis of photoaging.

Objective: Evaluate photoaging in Egyptian patients by dermoscopy using dermoscopic photoaging scale (DPAS).

Materials & Methods: Thirty two individuals were evaluated for photoaging by clinical, dermoscopic examination and digital imaging of their facial sun exposed areas to detect the prevalence of different dermoscopic findings in their lesions.

Results: Thirty two individuals, 7 individuals were grade 2 Glogou, 19 individuals were grade 3 Glogou and 6 patients were grade 4 Glogou.

The grade 2 Glogou individuals were examined and scored with mean DPAS of 10.28, grade 3 Glogou individuals scored with mean DPAS of 12 while the grade 4 Glogou individuals scored with mean DPAS of 18.33.

Photoaging of forehead scored with mean DPAS of 2.8, in right cheek scored with mean of 4.15, in left cheek scored with mean of 4.15 and in chin scored with mean of 1.68.

Photoaging of skin type III and IV scored with mean DPAS of 3.2 and 3.4 respectively in male and 2.8 and 2.9 respectively in females.

The most frequently seen sign of the examined 128 areas was the solar lentigens in 79 areas, followed by the hypo/hyper pigmentation in 76, then the telangiectasias in 56.

Conclusion: Dermoscopic photoaging scale is reliable in assessing photoaging in Egyptian patients of skin phototype III & IV. Glogou 4 individuals achieved the highest prevalence DPAS score which was higher than Glogou 2 and 3. In addition to that the cheeks scored higher mean DPAS than forehead and chin denoting that there were severe photoaging which may be explained by high prevalence of veiled females (partially covered) among Egyptian females. Also DPAS score was higher in males than females and this could be explained by the fact that men are main outdoor workforce in Egypt.