Unilateral Unique Primary Melanomas

Tchernev G1,2*, Chokoeva AA3

1Onkoderma*-Policlinic for Dermatology and Dermatologic Surgery, Sofia, Bulgaria
2University Hospital Lozenetz, Policlinic for Dermatology and Venereology, Sofia, Bulgaria
3 Onkoderma*- Policlinic for Dermatology and Dermatologic Surgery, Sofia, Bulgaria

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*Corresponding author: Associate Professor Georgi Tchernev, PhD, Policlinic for Dermatology and Venereology, University Hospital Lozenetz, Koziak street 1, 1407 Sofia, Bulgaria, Tel: +359 885 588 424; E-mail: georgi_tchernev@yahoo.de

Unilateral and multiple manifestation of heterogeneous type melanomas (nodular, superficial spreading melanoma, amelanotic melanoma, desmoplastic melanoma etc.) occurs more frequent in patients with FAMMM syndrome (familial or sporadic form) or hereditary melanoma [1, 2].

About 10% of all melanoma patients report a family history of melanoma; however, individuals with features of true hereditary melanoma (ie, unilateral lineage, multigenerational, multiple primary lesions, and early onset of disease) are in fact quite rare [1]. Although many new loci have been implicated in hereditary melanoma, CDKN2A mutations remain the most common [1]. These patients have a high risk of developing multiple primary melanomas and internal organ malignancies, especially pancreatic cancer; therefore, a multidisciplinary approach is necessary in many cases [1]. The value of dermoscopic examination and total body photography performed at regular intervals has been suggested by a number of studies, and should therefore be considered for these patients and their first-degree relatives [1,2].

The simultaneous, and furthermore, the unilateral location of heterogeneous types of melanomas in adult patients have been sporadically described in the literature, but it remains rare in general [3].

Regarding the newest investigations about the MPM (multiple primary melanomas) the risk of a subsequent melanoma decreased from 2% in the first year after diagnosis to a stable approximately 1% rate through 15 years of follow-up [4]. The risk of MPMs, although highest in the first year after diagnosis, remains stable thereafter [4]. Those at highest risk of MPMs are older, male, white, and partnered [4]. Clinicians should be aware of the rate of MPMs and recognize high-risk subgroups [4].

References
