ABSTRACT BOOK
ABSTRACTS

24TH WORLD CONGRESS OF DERMATOLOGY MILAN 2019

A new ERA for global Dermatology
10 – 15 JUNE 2019
MILAN, ITALY

MELANOMA AND MELANOCYTIC NAEVI

SEVERE VITAMIN D DEFICIENCY ASSOCIATED WITH STAGE 4 MELANOMA AND BRAF MUTATION STATUS.

L Fearfield [1] - J Nobbs [1] - A Petruckevitch [2] - C Harland [1]

Dermatology Department, The Royal Marsden Hospital, London, United Kingdom [1] - Department Of Statistics, The Royal Marsden Hospital, London, United Kingdom [2]

Introduction: Low Vitamin D is known to be associated with a poorer prognosis in melanoma and testing is now recommended in the UK for any new patient diagnosed with melanoma but not for those patients with already established disease.

Objective: To determine Vitamin D levels in patients with primary and metastatic melanoma in comparison to age, sex, stage, season and BRAF status.

Materials and Methods: We tested 124 patients who attended dermatology and oncology clinics at the Royal Marsden Hospital from May 2016-October 2017. Any patients on Vitamin D supplements were excluded. BRAF status was measured in those patients ≥ Stage 3.

Results: 124 patients; 65 men and 59 women with an age range of 23-85years were tested. 104 patients (84%) were Vitamin D deficient (≤ 70 nmol/L) ; of which 32 (31%) were severely deficient (≤ 30 nmol/L). Four patients were Stage 0 (3%), eighteen Stage 1 (14%), seven Stage 2 (6%), sixteen Stage 3 (13%) and seventy nine Stage 4 (64%). Of the Stage 4 patients 69 (87%) were Vitamin D deficient. There was no variation in Vitamin D levels with regard to the seasons, gender or age. BRAF status was established in 93 patients; 59 (63%) were BRAF mutant. Of these 22 (37%) were severely Vitamin D deficient compared to 3 (9%) BRAF wild type (P=0.006).

Conclusions: Over 80 % of melanoma patients were found to be Vitamin D deficient. Of note 64% of patients had Stage 4 melanoma and with current UK guidelines would not be routinely tested. The finding that BRAF mutation status was significantly associated with severe vitamin D deficiency is also of interest. We recommend testing of all melanoma patients regardless of stage.

24TH WORLD CONGRESS OF DERMATOLOGY MILAN 2019

International League of Dermatological Societies
Skin Health for the World
ILDS

1885
Società Italiana di Dermatologia (SIDeMaST)