Presentation title: Prevalence and determinants of AK in Euromelanoma screenees

Actinic keratosis (AK) is the most common skin lesion with malignant potential, and one of the main reasons for consulting a dermatologist. Found predominantly on sun-exposed body sites in fair-skinned, older and male subjects, AK is among the strongest predictors of skin cancer, and a precursor of SCC. However, estimates of prevalence and study of determinants of AK are relatively scarce and generally based on small, hospital-based series.

Clinical suspicion of AK is a reliable predictor of diagnosis. The presence of AK is documented by dermatologists during the Euromelanoma screening examinations so that the Euromelanoma database probably constitutes the largest series of AK cases worldwide.

This study aimed at (1) describing the prevalence and risk pattern of AK among Euromelanoma screenees during the 2009-2013 time period, and (2) identifying determinants of AK by means of multivariate analysis. In particular, the contribution of host characteristics, sun exposure and sun-related behaviour to the risk of AK was explored. Results will be discussed in the light of this large, self-selected, Pan-European series.