

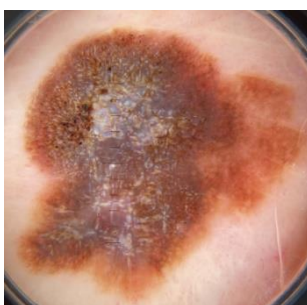
Figure S1: Dermoscopic images of the 20 melanomas detected in the study.

A. Lesions 1-11: Invasive melanomas

On this page (A) the dermoscopic images of the 11 invasive melanomas detected are presented, together with its histopathologic staging and tumour thickness.

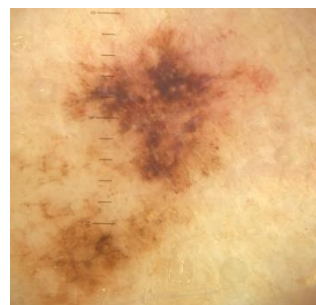
For each lesion, the app outcome and the examining primary care physician's reported degree of melanoma suspicion is also shown.

Lesion 1



Stage / thickness: T2a / 1.1 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 2



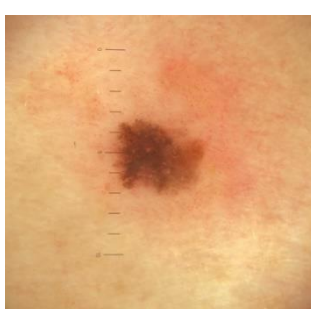
Stage / thickness: T1a / 0.4 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 3



Stage / thickness: T1a / 0.7 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 4



Stage / thickness: T1a / 0.2 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 5



Stage / thickness: T1a / 0.7 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 6



Stage / thickness: T1a / 0.5 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 7



Stage / thickness: T1a, 0.2 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 8



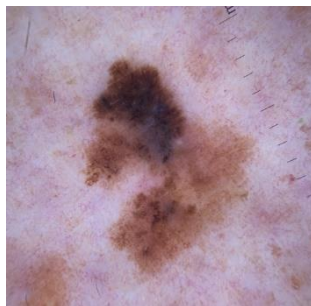
Stage / thickness: T1a, 0.5 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 9



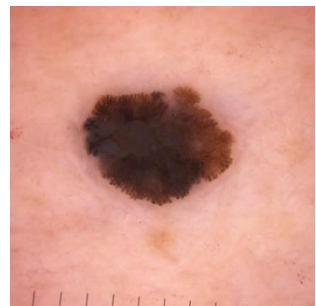
Stage / thickness: T1b / 0.9 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 10



Stage / thickness: T1a / 0.3 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 11



Stage / thickness: T1a / 0.4 mm
App outcome: Evidence of melanoma
PCP's suspicion degree: High

B. Lesions 12-21: Melanomas *in situ*

On this page (B) the dermoscopic images of the 10 *in situ* melanomas detected are presented.

For each lesion, the app outcome and the examining primary care physician's reported degree of melanoma suspicion is also shown.

The single lesion missed by the app (no. 16) is highlighted in red text.

Lesion 12



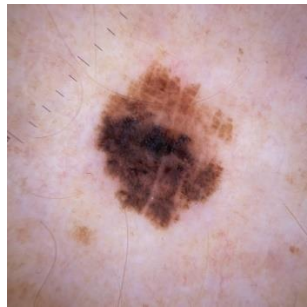
App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 13



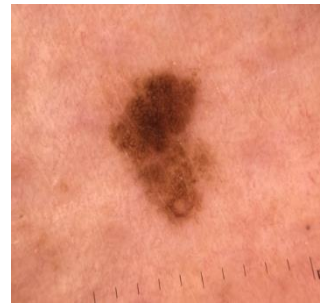
App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 14



App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 15



App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 16



App outcome: No evidence of
melanoma detected
PCP's suspicion degree: Low

Lesion 17



App outcome: Evidence of melanoma
PCP's suspicion degree: Low

Lesion 18



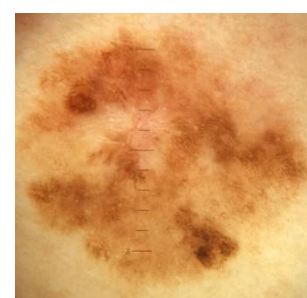
App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 19



App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 20



App outcome: Evidence of melanoma
PCP's suspicion degree: High

Lesion 21



App outcome: Evidence of melanoma
PCP's suspicion degree: Low