

Using high dynamic range (HDR)/machine learning (ML) post-processing for dermoscopy

Do you trust enhanced photos in dermoscopy?

Welcome to our brief, 5-minute questionnaire investigating the use of image processing for dermoscopy.

In the first section, we aim to collect basic epidemiological data. This information is crucial for understanding the demographic and professional background of our respondents, which in turn helps us contextualize the survey results within the broader landscape of diagnostic practices.

The second part aims to investigate your perception of the method.

Please note that all information provided will be used solely for research purposes and will be treated with the utmost confidentiality, and your personal data will be anonymized.

Thank you!

* Indicates required question

1. Email*

2. Gender*

Mark only one oval.

- ☐ Male
☐ Female
☐ Prefer not to say

3. Age (years)*

Mark only one oval.

- ☐ <20
☐ 21-30
☐ 31-40

☐ 41-50

☐ 51-60

☐ >60

4. Provide the name of your country *

5. Speciality *

Tick all that apply.

- ☐ Dermatologist
☐ General Practitioner
☐ Surgeon
☐ Oncologist
☐ Other: _____

6. Professional experience in dermoscopy (years) *

Mark only one oval.

- ☐ <5
☐ 5-10
☐ 11-20
☐ >20

Using HDR/ML post-processing for dermoscopy

7. Do you take pictures during dermoscopy? *

Mark only one oval.

- ☐ Yes *Skip to question 8*
☐ No *Skip to question 18*

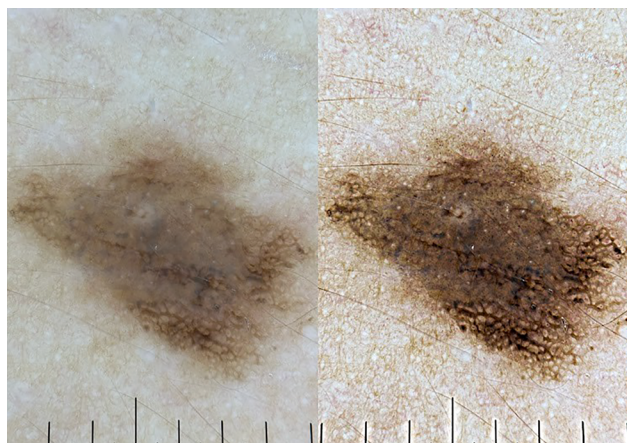
Using HDR/ML post-processing for dermoscopy

8. What image capturing device do you usually use to archive the photographs? *

Tick all that apply.

- ☐ Smartphone
☐ Digital camera
☐ Videodermatoscope

9. Do you use any software enhancing the original image? *



Mark only one oval.

☐ Yes Skip to question 11

☐ No Skip to question 10

Using HDR/ML post-processing for dermoscopy

10. You don't use post-capture image processing because: *

Mark only one oval.

☐ You have never heard of it Skip to question 18

☐ You don't have time for that/it is too complicated Skip to question 18

☐ You don't feel it is necessary Skip to question 18

☐ You have doubts regarding reliability Skip to question 15

Skip to question 18

Area

11. You process the images because: *

Tick all that apply.

☐ The quality is better

☐ It extracts the feature that are not normally seen (e.g. in hypopigmented lesions)

☐ It makes you feel more confident about the diagnosis

☐ Other: _____

12. You use photo adjustment in: *

Tick all that apply.

☐ Neoplastic diseases

☐ Non-neoplastic diseases

13. How do you adjust the images? *

Mark only one oval.

☐ Manually Skip to question 14

☐ Automatically (HDR or auto-adjustment) Skip to question 15

☐ Automatically and later on manually Skip to question 14

Manual adjustment

14. What features do you usually adjust manually? *

Tick all that apply.

☐ Brightness

☐ Color Balance

☐ Contrast

☐ Exposure

☐ Saturation

☐ Sharpness

☐ Reliability

15. In your opinion, which clues can be trusted in enhanced photos? *

Tick all that apply.

☐ Vascular clues (type and arrangement)

☐ Pigment clues

☐ Scale

☐ Clues of colour (e.g. yellow, orange)

☐ Non-polarizing dependent white clues (white areas/scar-like areas, white circles, MAY globules)

☐ Polarizing-specific white clues (4-dotted clods/rosettes, small white areas and lines/shiny white structures, dots and clods/milia-like cysts,

☐ None

☐ Other: _____

16. How do you rate usefulness of photo-enhancement in dermoscopy? *

Mark only one oval.

☐ Perfect

☐ Very good

☐ Good

☐ Fair

☐ Poor

17. How would you assess the safety in terms of potential incorrect decisions associated * with photo-enhancement in dermoscopy?

Mark only one oval.

Perfect

☐ Very good

☐ Good

☐ Fair

☐ Poor

Thank you for taking your time.

18. Comments box
