

SA-VES: a valid, reliable and feasible tool to assess patient perspective on vitiligo extent

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Background

A correct **assessment of vitiligo extent** is of great importance as this outcome measure is strongly associated with vitiligo severity (1). In addition, assessing the **patient's perspective** on their vitiligo holds significance in therapeutic approaches and facilitating shared decision-making (2). The Self-Assessment Vitiligo Extent Score (SA-VES), a tool developed to measure the affected body surface area (BSA) assessed by patients with vitiligo, can be used to accomplish both needs, but this tool lacks **validation of content validity** (3,4).

Methods

A qualitative cross-sectional study was designed, using cognitive debriefing. All analyses were performed in different samples of patients with non-segmental vitiligo.

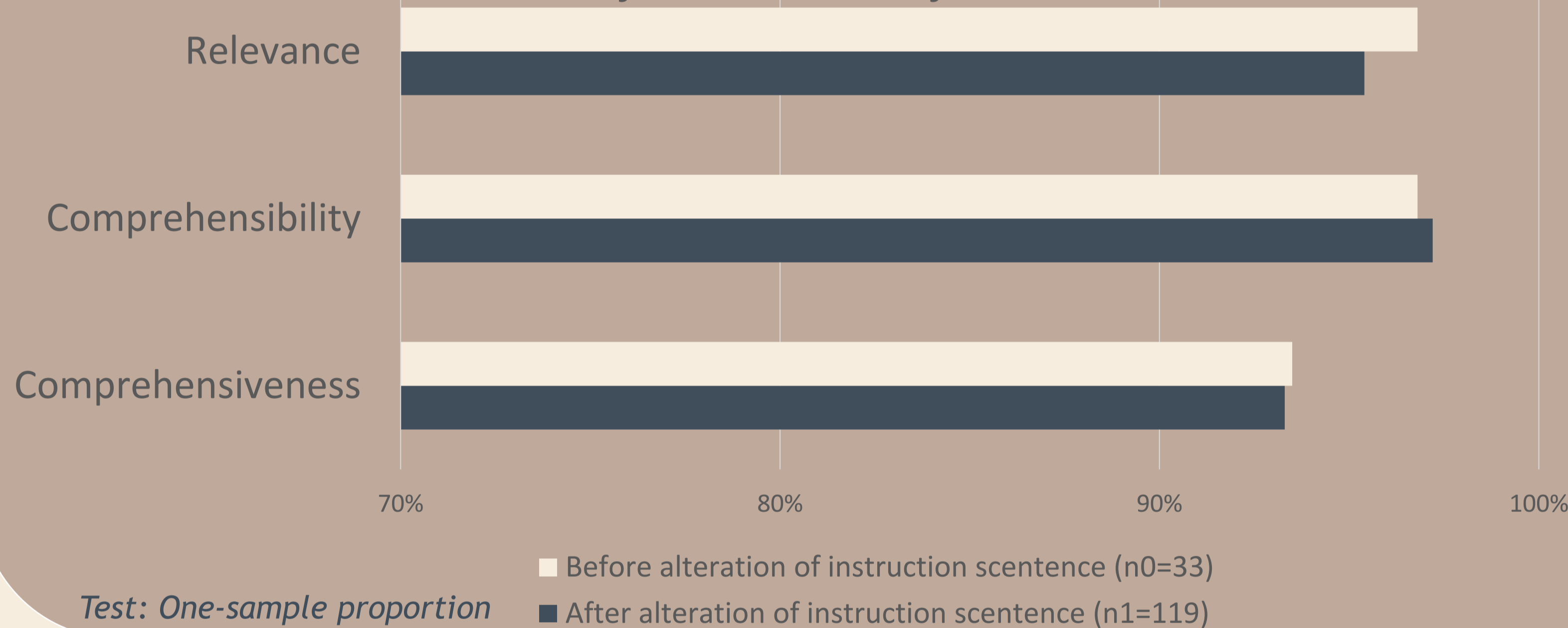
Objective

To evaluate the SA-VES for content validity before and after alteration of the instructional sentence and to re-evaluate the intra-rater reliability and feasibility of the alternated version.

Results

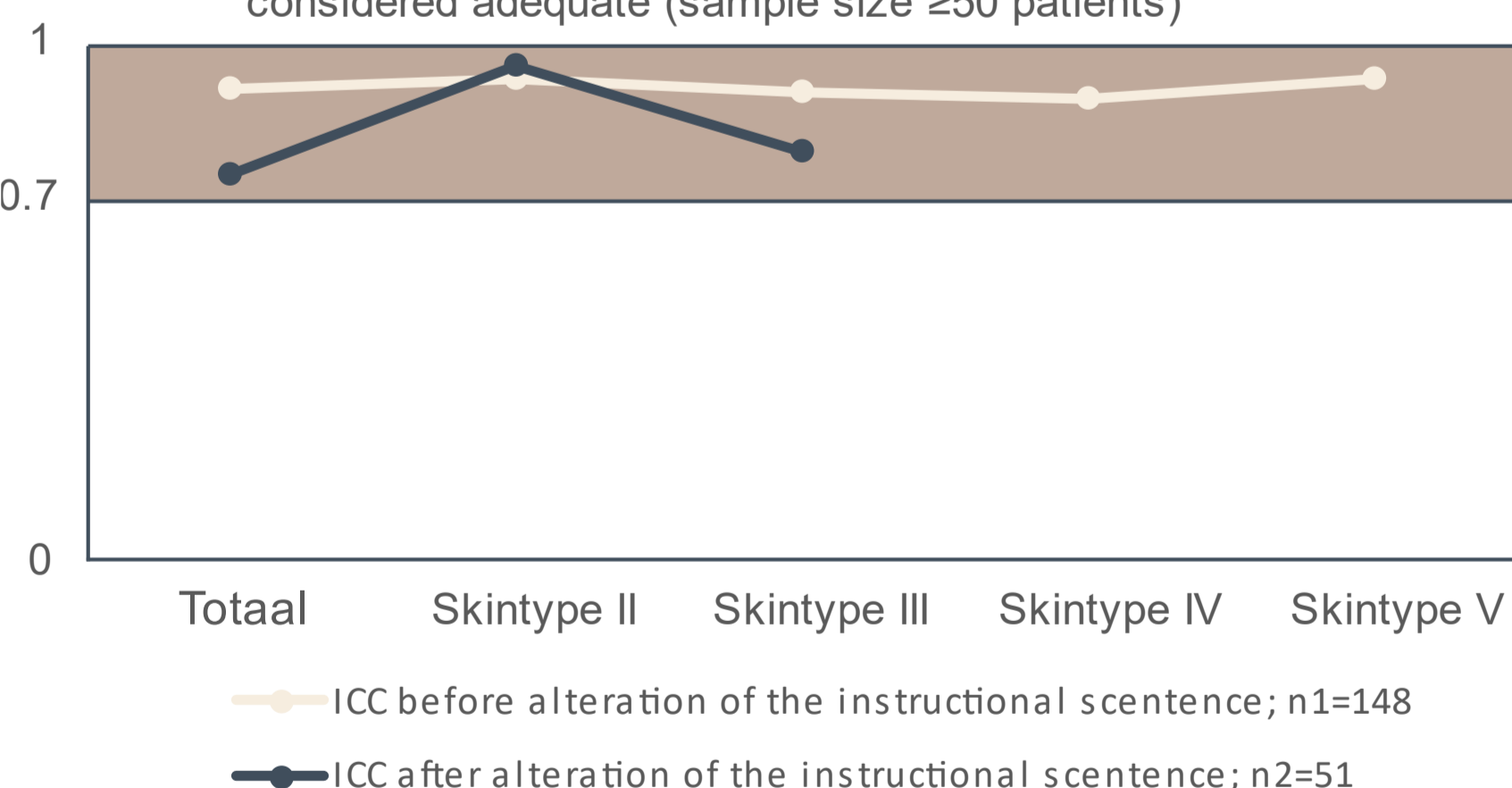
Content Validity

More than 90% found the SA-VES (very) relevant, (very) comprehensible and (very) complete; before as well as after alterations



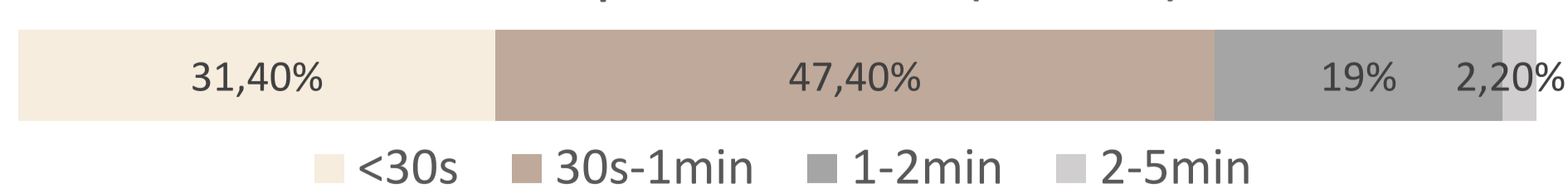
Intra-rater reliability

An intraclass correlation coefficient (ICC) of >0.7 is considered adequate (sample size ≥50 patients)

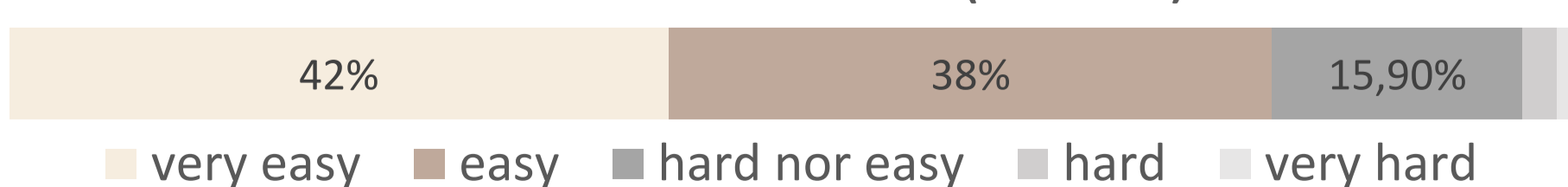


Feasibility

Completion time (n=137)



Userfriendliness (n=138)



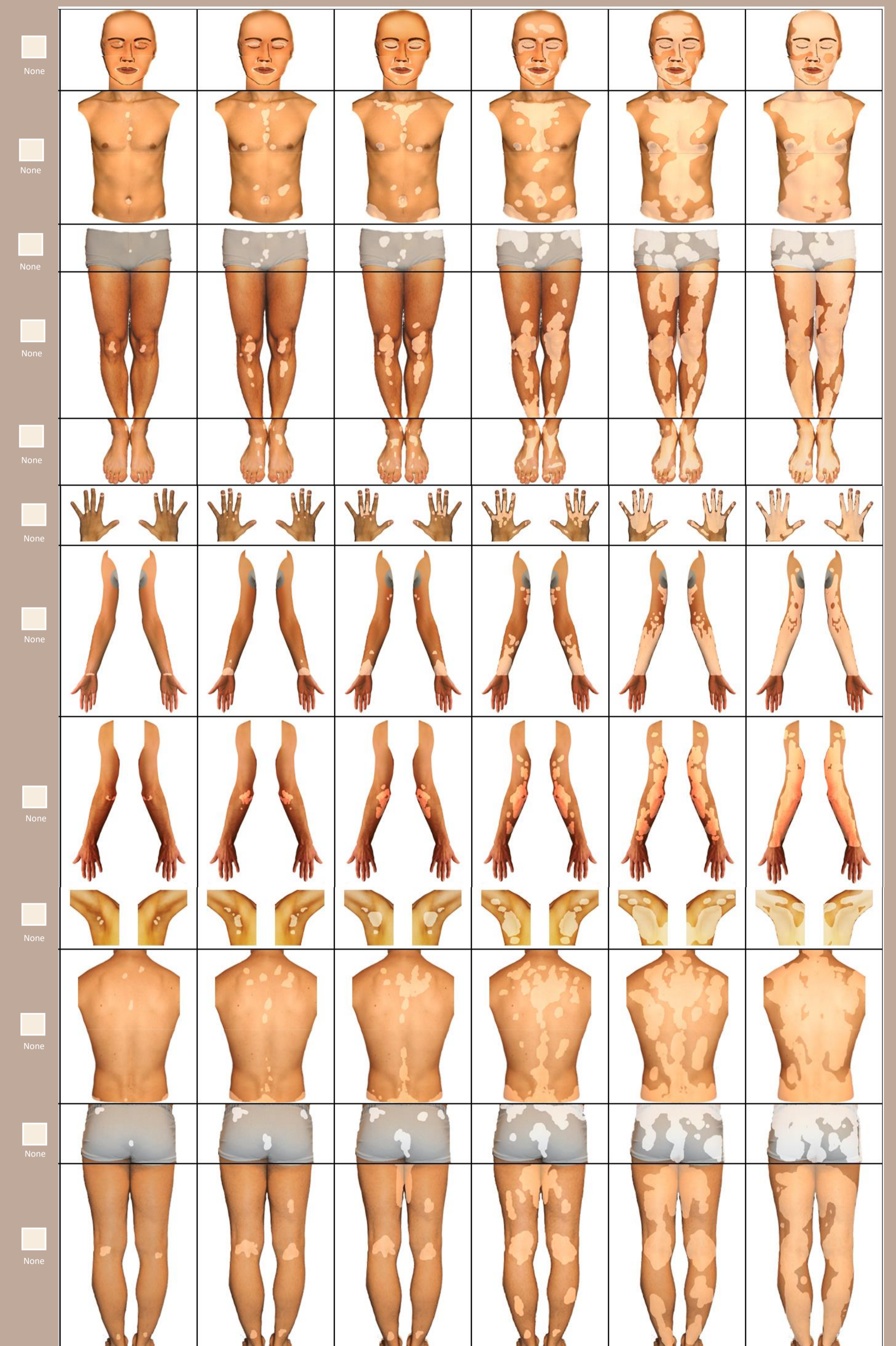
Instructional sentence before alterations

Dear Madam, Sir,
May we kindly ask you to put a cross (most similar comprehensiveness) on each picture that best fits your situation. Sincere thanks in advance for your cooperation!

Discussion

- ✓ It is important to assess the patient's perspective on their vitiligo
- ✓ The SA-VES can be used to assess vitiligo extent from the patient's viewpoint
- ✓ Further research is advised to measure the equivalence of the paper and digital SA-VES

Dear Madam, Sir,
Please mark a cross on the image that best represents the extent of vitiligo you have on that body part (most similar extent and not necessarily the shape). If there is no vitiligo, you can omit the cross or indicate 'none'. Thank you very much in advance for your cooperation!



<https://www.vitiligo-calculator.com>

SA-VES with altered instructional sentence

TAKE-HOME MESSAGE

The SA-VES is a valid, reliable and feasible vitiligo-specific instrument to measure vitiligo extent from the patient perspective. Both versions of the instructional sentence were found to be equally valid in terms of content validity.

References

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4. Chaweekulrat P, Silpa-Archa N, Apinuntham C, Chaibutr C, Wongpraparut C. Reliability, Validity and Feasibility of the Vitiligo Extent Score (VES) and Self-Assessment Vitiligo Extent Score (SA-VES) Among Vitiligo Patients: A Cross-Cultural Validation. Clin Cosmet Investig Dermatol. 2021 Jul 28;14:949-957.