

Dental Patients' Perceptions of #1441 Malnutrition Screening Tools' Usability

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BACKGROUND

- Malnutrition screening (MS) tools are seldom used in dental clinical settings.
- Even with prosthodontic rehabilitation, there is a lack of functionality as natural teeth, leading to malnutrition.
- For successful implementation, it is essential to assess the usability and functionality of these MS tools.

OBJECTIVE

To understand complete denture (CD) patients' perception of the usability of three MS tools using the System Usability Scale (SUS).

METHODS

Study Participants N = 93 CD patients, Study Design = One-time observational study



Evaluate the usability of 3 Malnutrition Screening tools NSI: 10-item questionnaire, MNA-SF: 6-item questionnaire, MST: 2-item questionnaire



Participants assess usability of each tool using 10-item SUS on a 5-point Likert scale SUS scores were adjusted to a range of 0 to 100 (higher = greater usability)

A SUS score above 68 is considered acceptable.

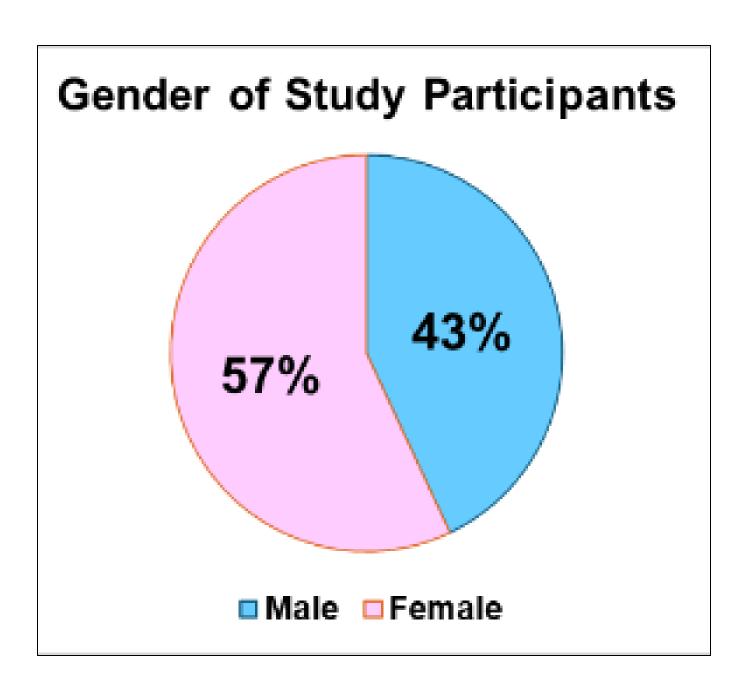


Usability scores are compared by Repeated-measures and ANOVA

NSI: Nutrition screening Initiative, MNA-SF: Mini Nutritional Assessment – Short Form, MST: Malnutrition Screening Tool

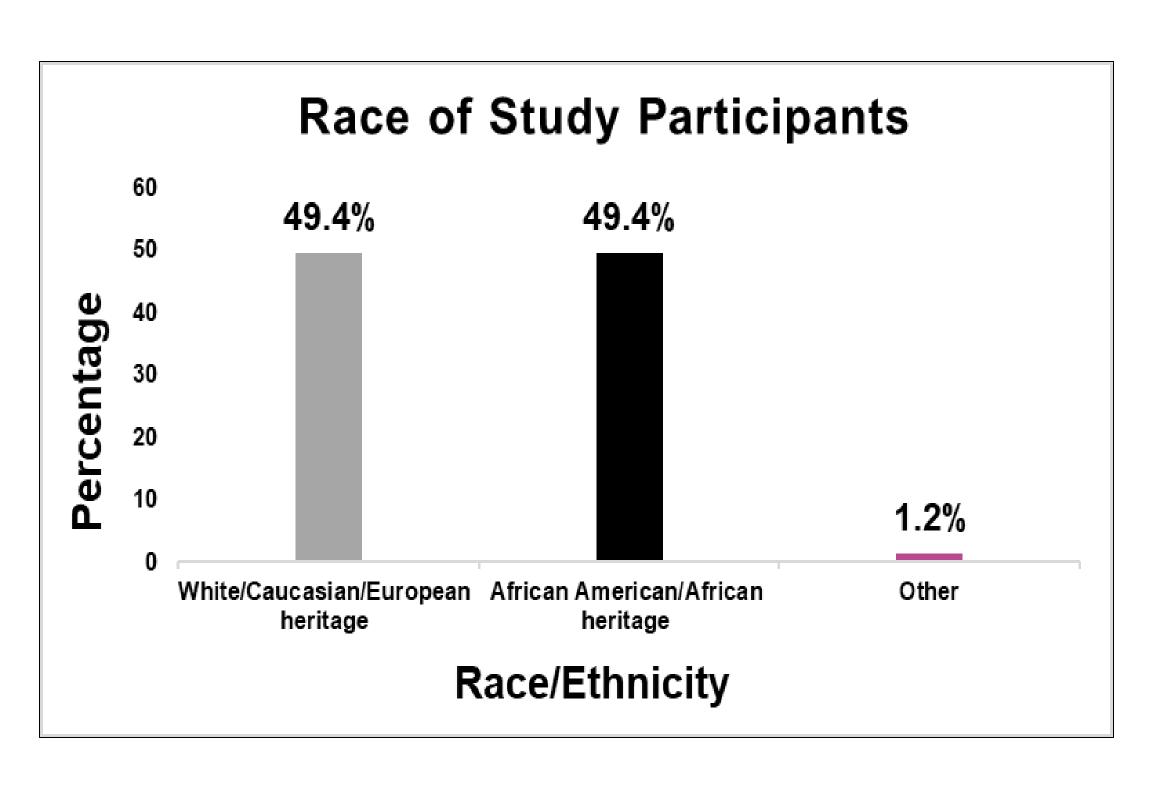
RESULTS

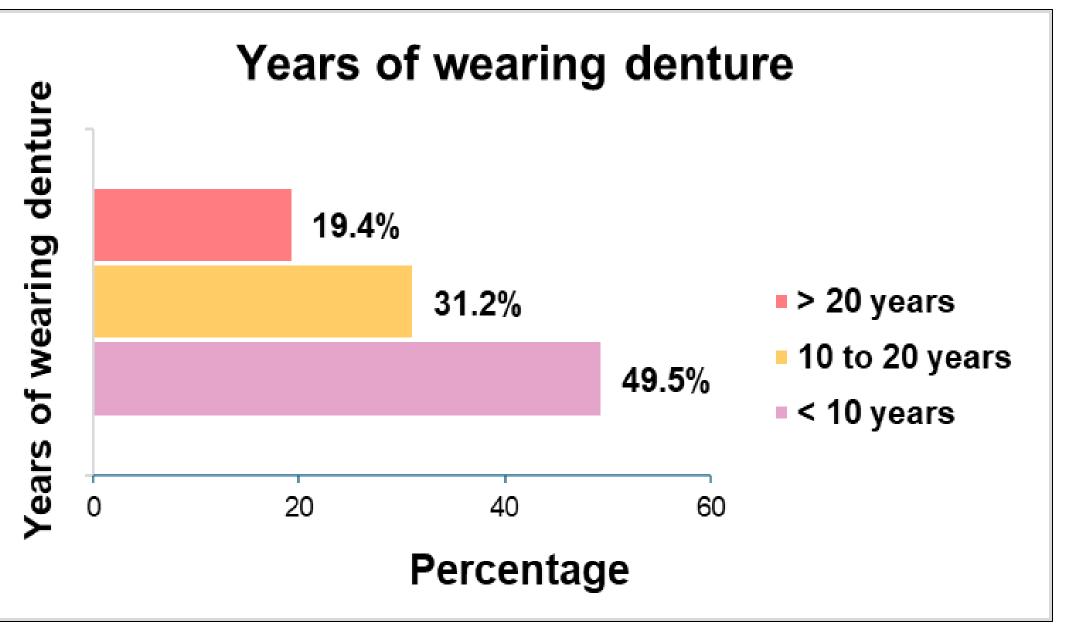
Age of study participants Range = 51 to 95 years Mean = 71 years

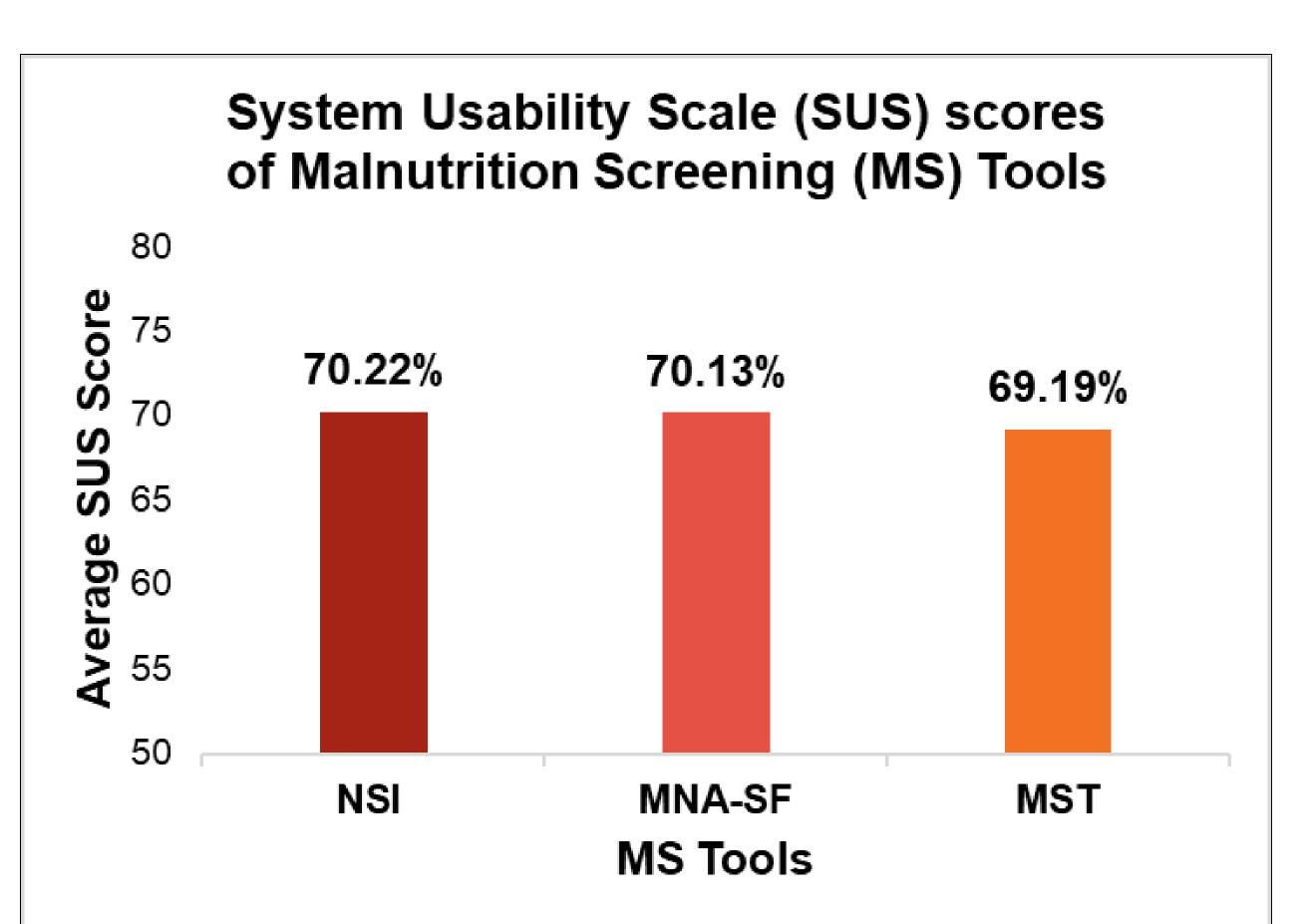


Denture wearers

- Upper 46%
- Upper and lower 54%







No significant difference among the three MS tools (p > 0.05; F = 1.13; Fcrit = 3.04)

Findings suggest that complete denture patients consider the

different from 6 or 2-question MS tools, supporting flexibility

NSI with 10 questions is considered acceptable and not

Implementing MS tools within the dental workflow is

essential to improving patient care outcomes.

DISCUSSION

- Identifying the usability of three screening tools will help integrate malnutrition screening into the dental clinical workflow.
- Understanding patients' perceptions of the usability of these tools will be valuable for their successful implementation.

SCAN QR

- Malnutrition screening tools
- 10 Item SUS questionnaire

CONCLUSION

in tool selection.

three MS tools acceptable and usable.

ACKNOWLEDGEMENTS

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