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Retrospective Assessment of Donor Site Scarring Following Split-Thickness Skin Graft Procedure

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Introduction

- Full-thickness wounds and deep second and third-degree burns need skin grafts to promote healing
- **Split-thickness skin grafts (STSG)** are harvested by shaving an area of healthy skin
- The donor site now has a partial-thickness wound requiring healing
- There is minimal data on the development of donor site wounds and their final appearance

Purpose

To retrospectively assess donor site morbidity post-STSG procedures and identify factors related to poor donor site scar quality.

Previous Studies

Findings

- Younger, females, darker skin type, lower leg location, and prolonged healing time were predictors of poor donor-site scar quality (2)

Limitations

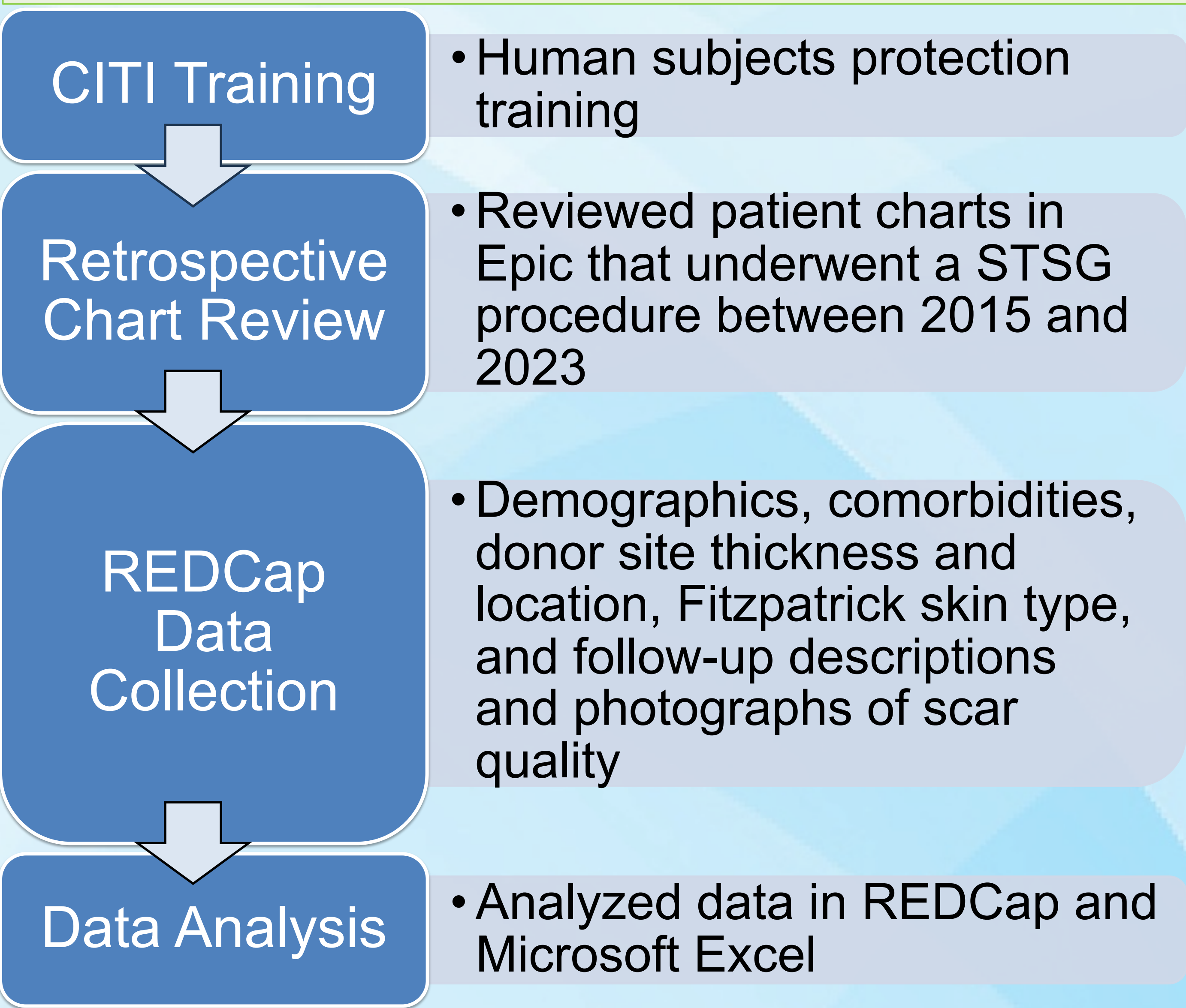
- Limited sample size (72 vs 300)
- Ignore effects of patient demographics, skin type, donor site thickness, and location

Research Approval Process

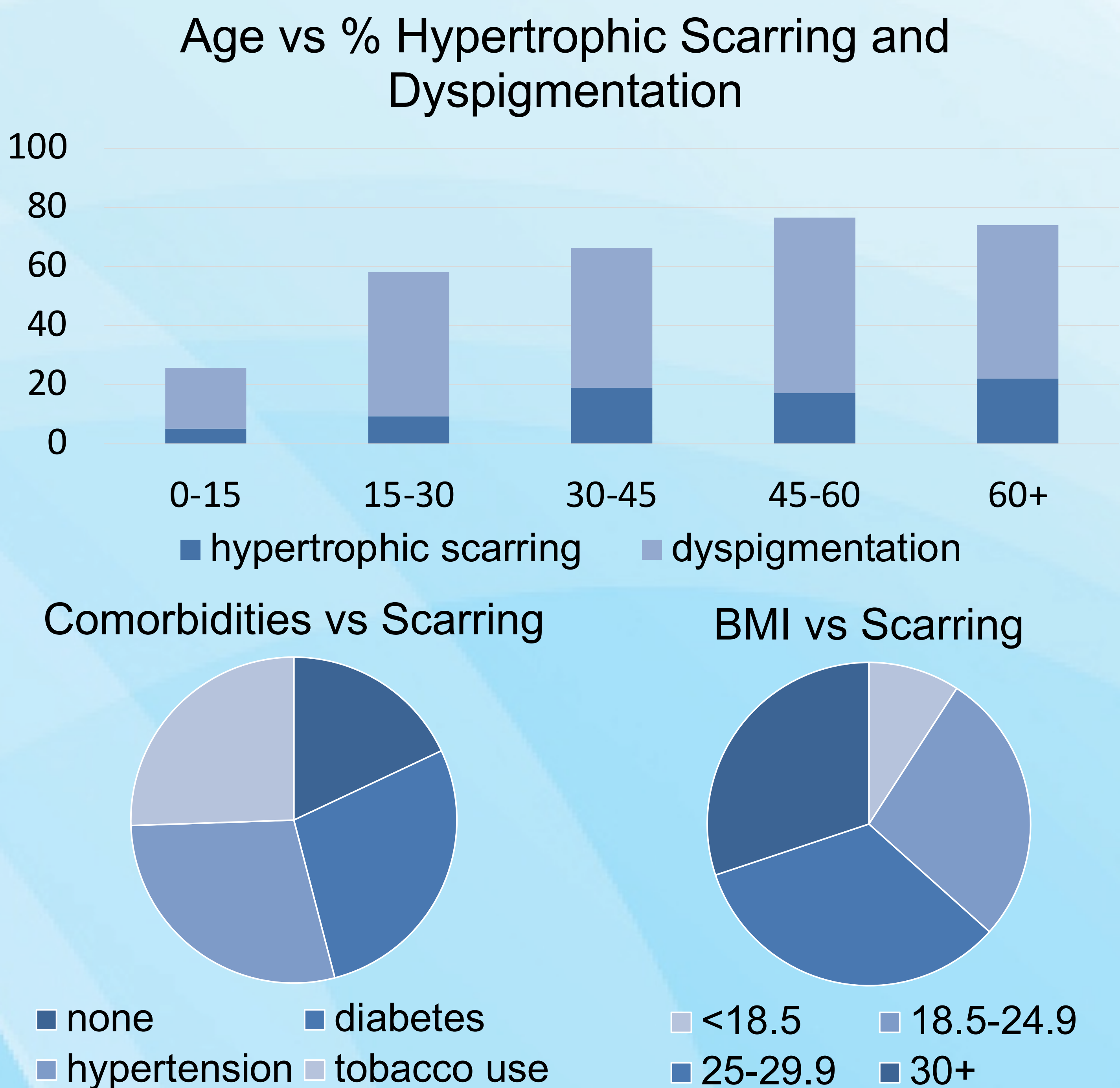
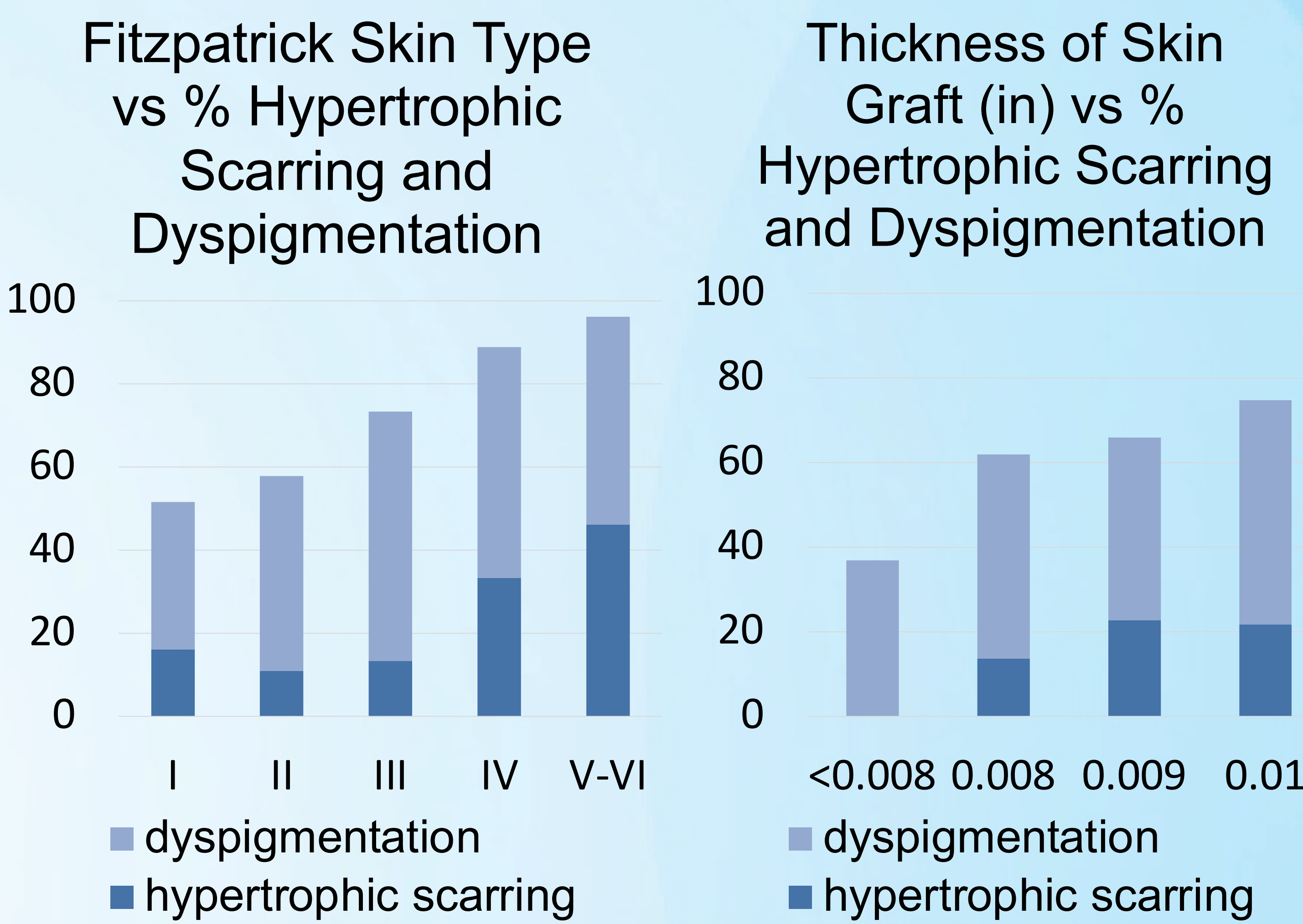


- Protects clinical trial participants

Methods



Results



Conclusion

Factors that negatively affect donor site scarring:

- Increasing age
- Darker skin types
- Thicker skin grafts harvested
- Increasing BMI
- Diabetes, hypertension, tobacco use

Future Implications

- Identifying factors that will affect donor site healing prior to skin grafting
- Personalized preventative or therapeutic treatment



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