

LYOPHILIZED TILAPIA SKIN: CASE REPORT OF A SUPERFICIAL SECOND-DEGREE BURN

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INTRODUCTION

Tilapia skin has gained popularity as a promising biomaterial for several medical applications, including wound healing and tissue engineering.



OBJECTIVES

To report the case of a patient with a superficial second-degree burn treated with lyophilized tilapia skin as a biological dressing, highlighting its effectiveness in wound healing.

METHODS

- **Study Design:** Descriptive study, case report.
- **Study Setting:** Burn treatment center in a tertiary-level public hospital located in Fortaleza, Ceará, Brazil.
- **Follow-up:** A total of four visits.
- **First Visit:** Initial evaluation and application of the biological dressing.
- **Second and Third Visits:** Occurred at five-day intervals.
- **Fourth Visit:** Performed after seven days, upon complete wound healing and removal of the dressing.
- **Ethical Approval:** The study was approved by the Research Ethics Committee of the Federal University of Ceará (approval number: 3.285.193).

RESULTS



CONCLUSION

Lyophilized tilapia skin was an effective alternative for superficial second-degree burns, accelerating healing within 10 days, lessening pain, and minimizing dressing changes. This improved patient quality of life and lowered hospital costs.

REFERENCES



"I have no conflict of interest"