

LASER THERAPY IN THE MANAGEMENT OF RADIODERMATITIS IN CANCER PATIENTS: A SCOPING REVIEW

Thaísa da Silva Tavares Caixeta, Tulasi Devii Tezelli Ponce de Leon Pinto da Fonseca, Carolina de Souza Custódio, Paloma Gomes, Elaine Barros Ferreira, Paula Elaine Diniz dos Reis
Interdisciplinary Laboratory of Oncology Research, School of Health Sciences, University of Brasília, Brasília, Brazil

 carol.custodio@gmail.com

INTRODUCTION

Laser therapy shows promise in managing radiodermatitis, a common side effect of radiation treatment in cancer patients. Studies are evaluating its effectiveness in both preventing and treating this skin inflammation. However, the optimal type of laser therapy for radiodermatitis remains unclear. A comprehensive literature review is necessary to compile evidence from various study types. This will help establish protocols and recommendations for using laser therapy effectively in radiodermatitis management.

METHODS

We conducted a scoping review following PRISMA-ScR's recommendations to report scoping reviews.



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Adult patients undergoing radiotherapy



Laser therapy

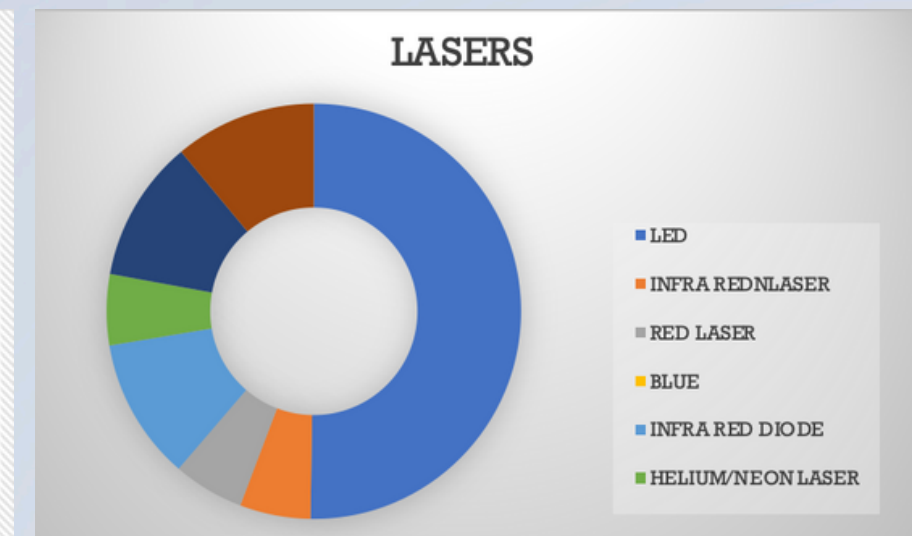
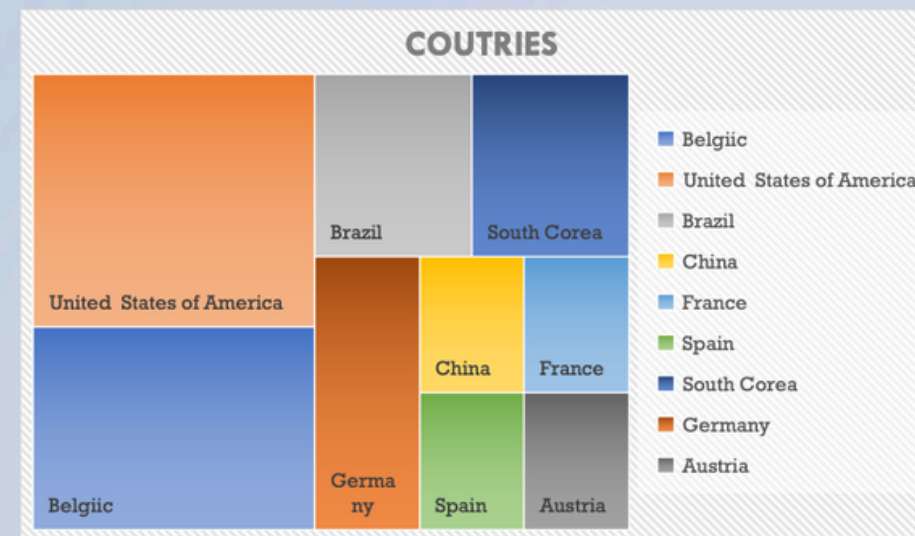


Radiodermatitis management



RESULTS

This review analyzed 18 studies out of 105 retrieved references. The primary focus was on different laser therapy modalities, with Light Emitting Diode (LED) being the most common (13 studies), followed by red (3 studies) and infrared lasers (2 studies). The United States and Belgium emerged as the leading countries contributing research in this field. Laser therapy is currently being investigated for its potential benefits in head and neck and breast cancer patients. Studies suggest it may reduce healing time, alleviate pain, and potentially delay the onset of severe radiodermatitis.



CONCLUSIONS

Laser therapy has been shown to be successful in healing and reducing pain associated with radiodermatitis, a skin condition caused by radiation therapy. However, there are many different types of lasers and treatment protocols used in laser therapy.

REFERENCES

