

# **Low-power laser as a speech therapy resource for the quality of life of patients with chronic kidney disease undergoing hemodiafiltration**

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## **ABSTRACT**

Chronic Kidney Disease is an irreversible disease and the patient must be monitored to observe the stability of the disease stages or throughout all stages that will pass, reaching the last stage (stage 5), the stage in which he is submitted to dialysis. In such cases, oral changes such as gingivitis, uremic halitosis, dry mouth, hyposalivation, may occur. One of the complaints referred during treatment is xerostomia, due to fluid restriction and side effects of drug therapy.

Some researchers have carried out studies regarding the evaluation and treatment of xerostomia and hyposalivation in patients diagnosed with head and neck cancer undergoing chemotherapy and radiotherapy, in which, during combined therapy, phototherapy has been offering positive results, thus improving the quality of life of such patients.

The purpose of this work is to verify the effectiveness of using photobiomodulation as a therapeutic resource to improve the quality of life in patients undergoing hemodiafiltration.

**Keyword:** Xerostomia, Hyposalivation, Laser therapy, Photobiomodulation

## **Biography:**

Speech Therapy from Pontifical Catholic University of São Paulo. Specialization in Orofacial Motricity by Pontifical Catholic University of São Paulo. Post-graduation in Quality Management in Health by Albert Einstein Institute of Education and Research. Lean Six Sigma - Green Belt. Master Business Administration and Health Systems Management at Faculty of Education in Health Sciences of Hospital Alemão Oswaldo Cruz, master's student in biophotonics applied to health sciences.

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