**Photodynamic inactivation of planktonic cultures of *Streptococcus mutans* using erythrosine irradiated by LED**

**Maria Ângela Lacerda Rangel Esper -** *DDS, MS, PhD, Department of Restorative Dentistry, Institute of Science and Technology, São Paulo State University-UNESP, São Paulo, Brazil (Conceptualization, Methodology, Writing original draft, Research, Writing - Review and Editing)* *Orcid:0000-0001-5218-9173.*

**Júnia Oliveira Barbosa -** *DDS, MS, Department of Biosciences and Oral Diagnosis, Institute of Science and Technology, São Paulo State University-UNESP, São Paulo, Brazil (Microbiological methodology)* *Orcid:0000-0002-1481-7631.*

**Janaina -** *DDS, MS, Department of Biosciences and Oral Diagnosis, Institute of Science and Technology, São Paulo State University-UNESP, São Paulo, Brazil (Microbiological methodology)* *Orcid:0000-0002-1481-7631.*

**Juliana Campos Junqueira -** *DDS, MS, PhD, Assistant Professor, Department of Biosciences and Oral Diagnosis, Institute of Science and Technology, São Paulo State University-UNESP, São Paulo, Brazil (Microbiological methodology, Review)* *Orcid: 0000-0001-6646-6856.*

**Alessandra Nara de Souza Rastelli -** *DDS, MS, PhD, Assistant Professor, Department of Restorative Dentistry, São Paulo State University-UNESP, São Paulo, Brazil (Conceptualization, Methodology, Writing-original draft, Supervision, Review)* *Orcid: 0000-0002-6768-2670.*

**Sérgio Eduardo de Paiva Gonçalves -** *DDS, MS, PhD, Associate Professor, Department of Restorative Dentistry, Institute of Science and Technology, São Paulo State University-UNESP, São Paulo, Brazil (Conceptualization, Methodology, Project administration, Supervision, Review, Resources) Orcid:0000-0003-1796-0393.*

**Corresponding Author:** *Maria Ângela Lacerda Rangel Esper, Department of Restorative Dentistry, Institute of Science and Technology, São Paulo State University-UNESP, Avenida Engenheiro Francisco José Longo, 777, Jardim São Dimas, São José dos Campos, SP, ZIP code: 12245-000, Brazil, Phone: (12) 3947-9376, email: angela\_esper@hotmail.com*