

## USE OF OPTICAL FLUORESCENCE ON TOOTH TISSUES OF CLEFT LIP AND PALATE CHILDREN

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**OBJECTIVE:** To demonstrate the use of light-emitting diode optical fluorescence on the tooth tissues of cleft lip and palate children. **REPORT OF EXPERIENCE:** By using a LED optical fluorescence device emitting a visible light operating in the violet region (400 nm), the following tooth tissue disorders were characterized: presence of incipient caries and enamel hypoplasia, as well as biofilm presence, both in the teeth of the cleft area and in the posterior teeth. **CONCLUSION:** The LED optical fluorescence is a safe, non-invasive auxiliary diagnostic method leading to a more preventive treatment which would allow both the monitoring of lesions and the success of preventive measurements.

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